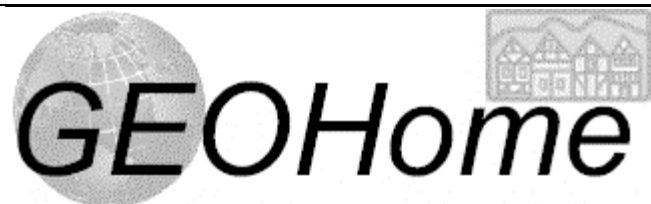


GEOHome v1.0

Overview, Installation and Operator's Manual

DCM-1.001



Tom Kralidis
tom.kralidis@ccrs.nrcan.gc.ca

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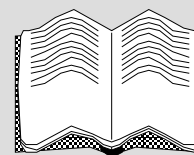


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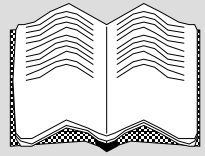
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About This Manual

Purpose

This document is intended for use by those individuals who are responsible for the installation and operation of the GEOHome tool after delivery. Enclosed descriptions provide a complete set of procedures related GEOHome tool and data installation, routine maintenance, upgrading, and problem reporting.

Scope

This document is the primary reference for:

- technical overview
- tool installation
- data formatting / integration
- software operation
- software upgrades
- routine software maintenance
- problem reporting
- current distribution content listing
- source code

It does not cover such things as:

- normal operation of the system
- detailed technical description of any of the system components

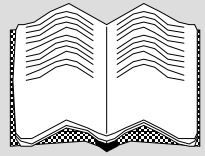
Audience

This manual is intended for users who are familiar with ESRI ArcView 3.1 operations, and possess at least an intermediate knowledge of:

- Windows / UNIX operating systems
- Perl / CGI / Web programming

Typographic Conventions Used in this Manual

<i>Italics</i>	References to other documents, or to other sections or paragraphs within this document, are shown in italicized text. For example, “Refer to <i>Appendix C, Source Code</i> .”.
<code>Courier</code>	Directories, subdirectories, scripts, files and filenames, databases, logs and are all shown in the Courier typeface. For example, “...Avenue script under the directory <code>scripts</code> ”
Courier	System Procedures, commands, programs and utilities are indicated using the Courier bold typeface. For example, “Invoke the associated Popup GetStatistics utility.”.



Acronyms and Abbreviations

A

ANSI	American National Standards Institute
ASCII	American (National) Standard Code for Information Interchange

C

CGI	Common Gateway Interface
CD	Compact Disk
CD-ROM	Compact Disk Read-Only Memory
CPU	Central Processing Unit

D

DB	DataBase
DBF	dbase Database file format

E

ESRI	Environmental Systems Research Institute
Excel	Microsoft Excel97 spreadsheet software

F

FAX	Facsimile
FME	Feature Manipulation Editor
FTP	File Transfer Protocol

G

GIS	Geographic Information Systems
-----	--------------------------------

I

ID	Identification
IRRED	Input Raw Real Estate Data
ISND	Input Street Network Data

K

KB	KiloByte
----	----------

M

MB	MegaByte
MLS	Multiple Listing Service
MS	Microsoft Corporation

P

PERL	Practical Extraction and Reporting Language
------	---

R

RDBMS	Relational DataBase Management System
-------	---------------------------------------

S

SQL	Structured Query Language
-----	---------------------------

GEOHome Overview

1.1 GEOHome Concept

The GEOHome project combines software and GIS development to produce a hybrid web-based GIS application that allows users to spatially query maps, attached to real estate information. This development breaks the barrier of searching for house information from data records and low-resolution imagery independent of each other.

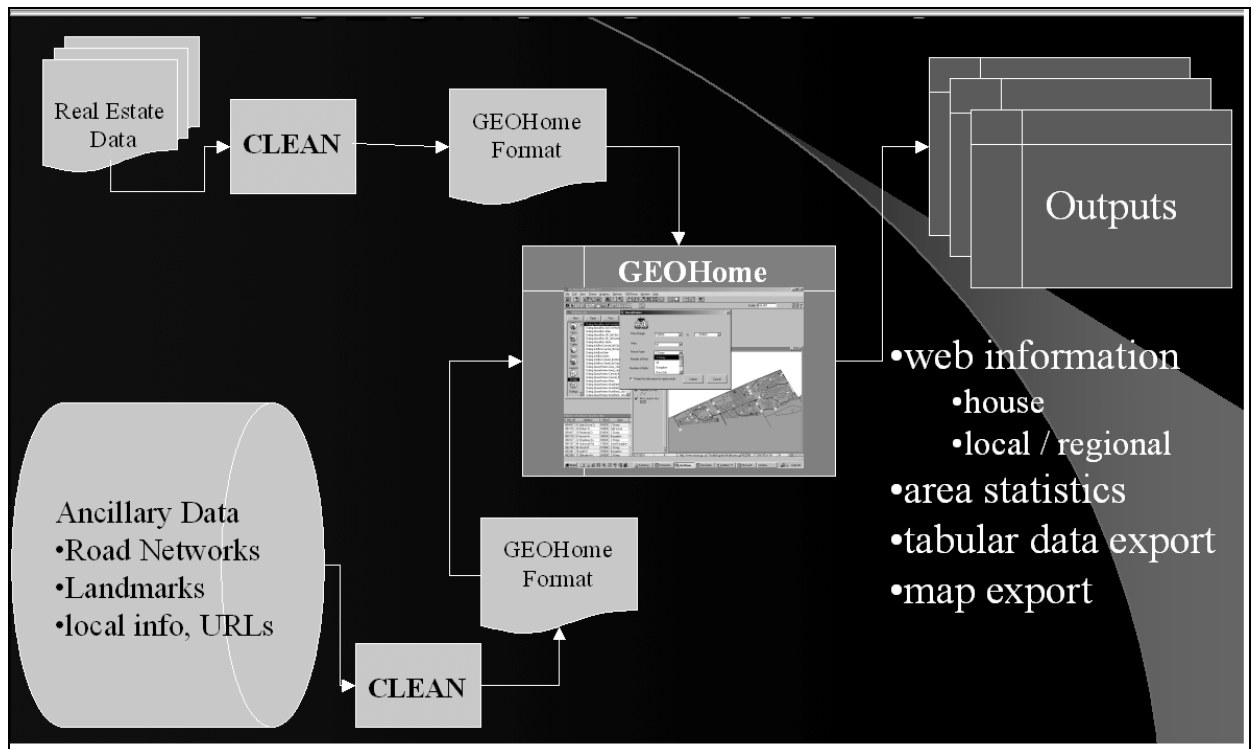
The GEOHome project also integrates GIS and web applications, by linking spatial data directly to online resources and information. With the revolution of technology, bandwidth speeds and Internet applications, many organizations are moving their document types directly to their HTTP server. The idea of GEOHome in relation to web applications is to integrate / interact. This eliminates need for redefining a document structure inline to the GIS application if there is one already in place.

Finally, the GEOHome principle is based on open-source conventions i.e. freely available / editable source code, customization and development. All source code is available on the GEOHome distribution, and in *Appendix C: GEOHome v1.0 Source Code*. The GEOHome website acts as the central repository for development news on the GEOHome system. Development contributions are welcome and accepted at:

<http://www.nrcan.gc.ca/~tkralidi/tkralidi/gis/project/>

1.2 Process Flowchart / Strategy

Figure 1-1: GEOHome Flow



The GEOHome strategy follows a simple, scalable methodology:

- access real estate information / data
- clean / extract into GEOHome accepted format (delimited text)
- access basemaps, road networks
- clean / crop for desired area into GEOHome accepted format (ESRI shapefile)
- geocode real estate data against road network
- use GEOHome for output results

1.3 Data Requirements

The main GEOHome requirements for real estate data follow ASCII file format in delimited text. Street network data is required in ESRI shapefile format, or a format easily converted to ESRI shapefile format by any third party GIS data converter software (such as FME).

1.4 Limitations

The initial release of GEOHome is a collection of Avenue scripts integrated into an ArcView project environment. As such, some routines may be hard coded as a result of the rapid application prototyping development process. However, the program was designed for easy customization and serves as an excellent baseline application framework to build on.

1.5 Further Research / Recommendations

Research was conducted into the concept of development with ESRI's MapObjects, within an MS Visual Studio environment. While the final application would initially cost less to distribute among users in comparison to large-scale site licensing of ESRI ArcView software, GEOHome found that taking this approach would hinder long-term development. MapObjects and relevant IDE's are reliant on the Microsoft Windows computer architecture.

Further recommendations include:

- Continuing within ArcView API (modularizing further to extensions)
- Expanding to platform independent IDE's, such as Java or Perl

2

Tool Installation

2.1 Operating System Configuration

For GEOHome software, the operating system on which it was developed was Windows 98. This document assumes installation of Windows 98 prior to tool and data installation.

2.2 Distribution Medium

GEOHome is delivered on CDROM, which contains all of the files necessary to install the entire tool, including relevant data and scripts. Please refer to *Appendix B: CDROM Distribution Contents* for specific content listings.

2.3 Data Installation

GEOHome uses the sample data provided on the CDROM to enable the tool within ArcView.

2.4 Installing the GEOHome Initial Release

When you are installing the initial release of the GEOHome tool, you will need to:

- set up data directories
- locate and install the ArcView project file

- edit paths within the project file relative to the data installation

See the following subsections for more information.

2.4.1 Setting Up Data Directories and GEOHome ArcView release.apr File

- using Windows Explorer, locate the CDROM directory on your system
- move into the `release` directory
- copy the entire directory's contents into the directory structure from which you wish to run your application. This directory includes the `release.apr` file
- open the `release.apr` file with a common ASCII text editor
- edit file paths to reflect your current working environment

Data Formatting

3.1 Formatting Input Data

3.1.1 Input Raw Real Estate Data

Input raw real estate data (IRRED) can be derived from a number of sources; this GEOHome release focussed on simple saving of house data and imagery from Internet real estate sites to disk.

You can check the `house_data` directory within the GEOHome release CDROM for IRRED examples.

Based on the examples used, the GEOHome system used the following fields as defaults:

Figure 3-1 IRRED Fields

MLSID	Price	Type	Area	Numbeds	Numbaths	Hotlink
-------	-------	------	------	---------	----------	---------

Use the Perl program located in `scripts` to format the house data in a given directory

```
% formatHouseData.pl
```

An output ASCII delimited text file can then be imported into ArcView with the **Add Table** function. Be sure to edit the file to reflect your data and selections before import to ArcView.

3.1.2 Input Street Network Data

Input Street Network Data (ISND) can be derived from any GIS software package capable of geocoding. Derived files can then be cropped / cleaned / built to organize topology before

input to the GEOHome system. You can then add these files with the **Add Theme** function in ArcView.

3.1.3 Web Configuration

In order to utilize the Hotlink function within GEOHome correctly, you must configure the IRRED file's Hotlink field before inputting the table in ArcView. You can edit the `formatHouseData.pl` file to point to a specific path located on your server for other data.

You must also edit the `findhouse.cgi` program in the `scripts` directory to point to the correct path in which your house data is located.

Note: A functional NCSA-type HTTP server, such as Apache or Microsoft NT server, with a `cgi-bin` configured directory, is required.

3.1.4 Geocoding in ArcView

You can use ArcView's **geocode** function to manually place these houses, geocoded, into a new output theme. Or use the Avenue development environment to automate this process according to your requirements.

3.1.5 Ready for ArcView

You should now be ready to use the GEOHome system within your ArcView application.

4

Getting Started Using GEOHome

This section familiarizes operators with the GEOHome interface features within ArcView.

4.1 GUI Overview

The main GUI components specific to GEOHome are shown below.

4.1.1 GEOHome Object Model / Functional Architecture

Figure 4-2 GEOHome Functions

Function	Accessible From
InfoBox	MenuBar
QueryHomes	MenuBar, PopupBar
ExportSelection	MenuBar, PopupBar
HotLinkToWebPage	Hotlink Button on ToolBar
GetStatistics	PopupBar

4.1.2 Using Pull-Down Menus

The following items are available from the GEOHome menu:

- **InfoBox**
- **QueryHomes**
- **ExportSelection**
- **AboutGEOHome**

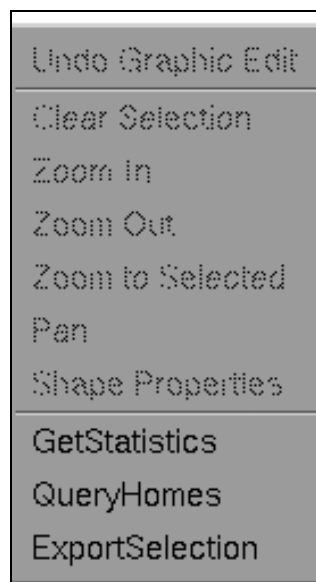


The menu items act just as any standard ArcView menu item, with help messages displayed in the bottom left corner (status bar) on your display.

4.1.3 Using Popups

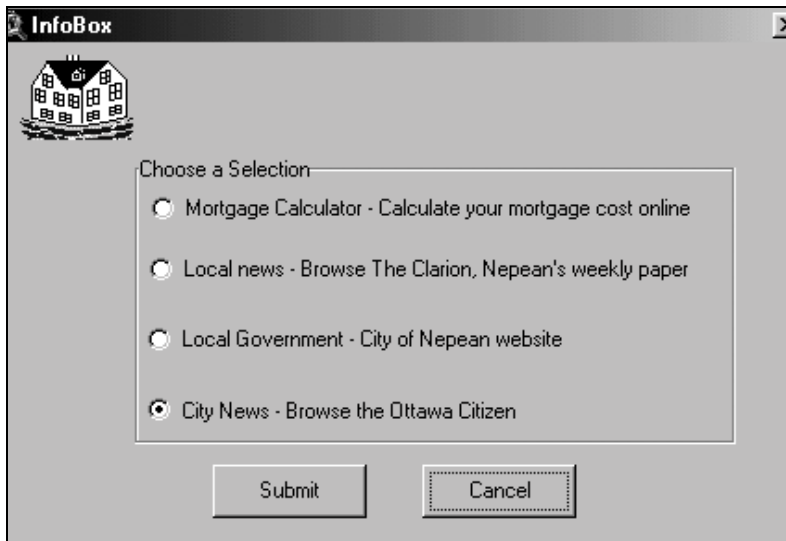
The following GEOHome items are available from the ArcView **Popup** menu:

- **GetStatistics**
- **QueryHomes**
- **ExportSelection**



Utilize the Popups as you would any ArcView default Popup item.

4.1.4 Using the InfoBox Dialog Box



Select this option from the **GEOHome** | **InfoBox** menu item

- Click the radio button of your choice
- Click submit

Your selection will point to a website represented by your choice. A web browser application will open and send the URL of the radio button selected as a request to the browser.

4.1.5 Using the QueryHomes Dialog Box

The screenshot shows the 'QueryHomes' dialog box. It features a house icon at the top left. Below it, there are several input fields:

- Price Range:** Two dropdown menus. The first is set to '150000' and the second to '> 250000', with the word 'to' between them.
- Area:** A dropdown menu set to 'All'.
- House Type:** A dropdown menu set to '2 Storey'.
- Number of Beds:** A dropdown menu set to '2 Storey'.
- Number of Baths:** A dropdown menu set to 'All'.

 At the bottom left, there is a checked checkbox labeled 'Prompt for data export of query results'. At the bottom right, there are two buttons: 'Submit' and 'Cancel'.

Select this option from the **GEOHome | QueryHomes** menu item or **Popup | QueryHomes** item. If there is a selection bitmap defined, the function will select from that set. Otherwise, the function will select from the entire dataset.

- Select form values best representing your query choice
- Choose all if a given parameter is not important to your search
- Click the checkbox if you would like to export your output selection to a tabular format
- Click submit

Your query will highlight matching records to your view window.

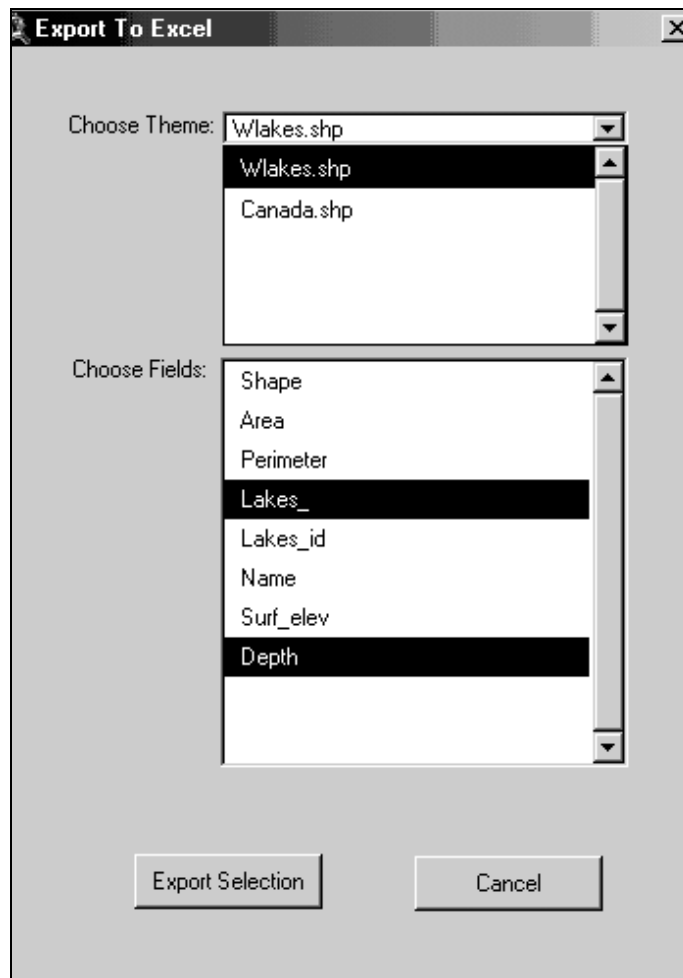
4.1.6 Using the ExportSelection Dialog Box

Selecting this option from either the **GEOHome | ExportSelection** menu item or **Popup | ExportSelection**. This function will prompt you to save your data selection to an external tabular data format.

- Select the format you wish to export to

- If **dbase**, **INFO**, or **Delimited text** is chosen, you will be prompted to save in the directory of your choice.
- If **Excel** is chosen (Windows-specific platforms), you will be prompted to choose which fields you wish to export from your data selection.
 - Choose multiple fields with the click-shift option
 - Click Enter

Your chosen fields and records will be outputted to the format of your choice. Your Excel format will open a Microsoft Excel97 workbook application.

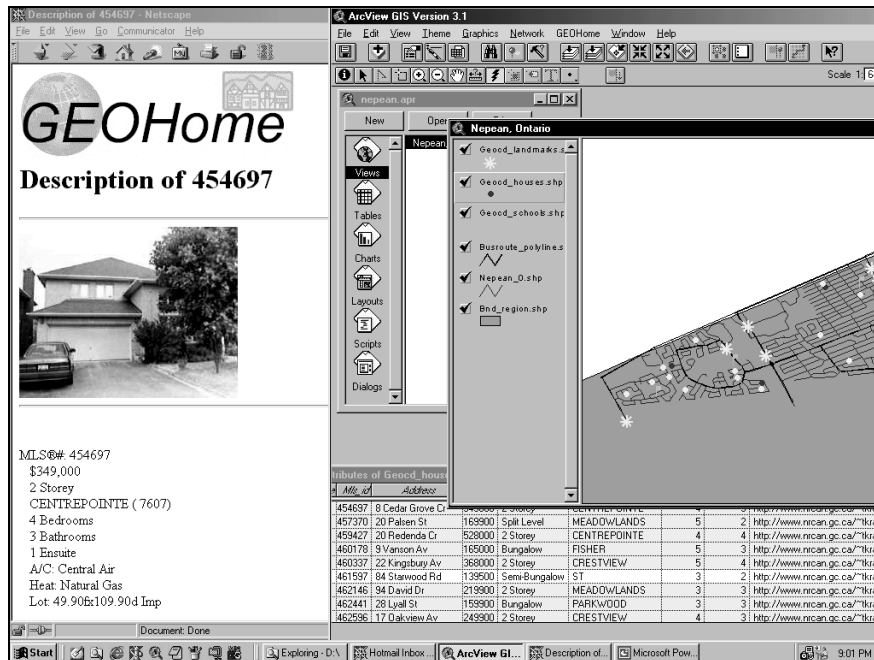


4.1.7 Using the HotlinkToWebPage Tool

Selecting this option from default ArcView **Hotlink** tool button will send your selection to a web-based GIS real-estate application.

- Select the property you wish to gain more information on by clicking over the point

Your system's default web browser application will open, pointing to a web page displaying the house image and its attributes.



4.1.8 Using the **GetStatistics** Popup Item

Selecting this option from **Popup | GetStatistics** will send output a count and average of houses selected from the View. If you select the schools theme as active, you will receive a listing of the number of schools, and type, in the area bounded by your selection.

- Select the area you wish to gain more information on by applying the marquee selection tool over the desired area
- Click **Popup | GetStatistics**

A message box will appear with the information.

5

Upgrades

This section addresses the installation of upgrades to GEOHome and removal of current GEOHome releases.

5.1 Installing Upgrades to GEOHome

Following installation of GEOHome, it is possible that upgrades, enhancements or bug-fixes to the system may be delivered to the customer. These are sent on a mutually agreed format between the customer and GEOHome. Instructions on installing and testing the patches will accompany the software.

Upgrades contain the following phases:

- **Installation:** includes the necessary software, data and scripts as well as instructions and scripts to perform the installation.
- **Testing:** includes a test environment setup and testing procedures to make sure that the upgrade works properly.
- **Moving to Production:** after the installation and testing has proven successful, instructions and scripts are provided to upgrade to the new production version.

5.1.1 Upgrading GEOHome

The source code may be delivered as a patch to the customer. Details on the exact nature of the patch, instructions on extracting the patch from media, and testing the software will accompany.



Maintenance

6.1 File Corruption / Data Recovery

Should any file I/O problems result in file or data corruption, the GEOHome release CDROM should be used to reinstall suspected corrupted components or data. Please apply the most current release data to recover any corrupted / deleted components.



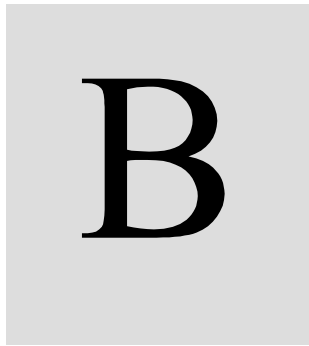
Problem Reporting

A1. Problem Report Form

Please report any problems to your GEOHome contact, by fax or email. A sample problem-reporting template follows.

Figure A-1 – Sample Problem Reporting Template

Problem	
Data	
Submitted by	
Category	
Description	



GEOHome Distribution Content Listing

B1. Contents

The following list lists the contents of the GEOHome distribution v1.0.

Table B-1: CDROM Distribution Content Listing

File	Description
./doc/OIOM_1_0.doc	This document
./house_data	House image and text files, organized by MLS number
./house_data/454697	
./house_data/454697/454697.jpg	
./house_data/454697/454697.txt	
./house_data/457370	
./house_data/457370/457370.jpg	
./house_data/457370/457370.txt	
./house_data/459427	

./house_data/459427/459427.jpg	
./house_data/459427/459427.txt	
./house_data/460178	
./house_data/460178/460178.jpg	
./house_data/460178/460178.txt	
./house_data/460337	
./house_data/460337/460337.jpg	
./house_data/460337/460337.txt	
./house_data/461597	
./house_data/461597/461597.jpg	
./house_data/461597/461597.txt	
./house_data/462146	
./house_data/462146/462146.jpg	
./house_data/462146/462146.txt	
./house_data/462441	
./house_data/462441/462441.jpg	
./house_data/462441/462441.txt	
./house_data/462596	
./house_data/462596/462596.jpg	
./house_data/462596/462596.txt	
./house_data/462711	
./house_data/462711/462711.jpg	
./house_data/462711/462711.txt	
./house_data/462762	

./house_data/462762/462762.jpg	
./house_data/462762/462762.txt	
./house_data/463180	
./house_data/463180/463180.jpg	
./house_data/463180/463180.txt	
./house_data/463193	
./house_data/463193/463193.jpg	
./house_data/463193/463193.txt	
./house_data/463363	
./house_data/463363/463363.jpg	
./house_data/463363/463363.txt	
./house_data/463676	
./house_data/463676/463676.jpg	
./house_data/463676/463676.txt	
./house_data/463940	
./house_data/463940/463940.jpg	
./house_data/463940/463940.txt	
./house_data/463992	
./house_data/463992/463992.jpg	
./house_data/463992/463992.txt	
./house_data/464318	
./house_data/464318/464318.jpg	
./house_data/464318/464318.txt	
./house_data/464408	

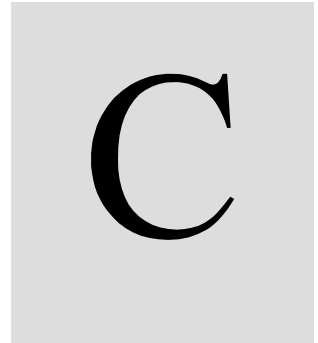
./house_data/464408/464408.jpg	
./house_data/464408/464408.txt	
./house_data/464445	
./house_data/464445/464445.jpg	
./house_data/464445/464445.txt	
./house_data/464522	
./house_data/464522/464522.jpg	
./house_data/464522/464522.txt	
./house_data/464623	
./house_data/464623/464623.jpg	
./house_data/464623/464623.txt	
./house_data/464870	
./house_data/464870/464870.jpg	
./house_data/464870/464870.txt	
./house_data/465008	
./house_data/465008/465008.jpg	
./house_data/465008/465008.txt	
./house_data/465171	
./house_data/465171/465171.jpg	
./house_data/465171/465171.txt	
./house_data/465211	
./house_data/465211/465211.jpg	
./house_data/465211/465211.txt	
./house_data/findhouse.cgi	CGI Web application for HotlinkToWebPage

	tool
./house_data/formatHouseData.pl	Perl script to generate house data tables
./house_data/maison.txt	Output sample of formatHouseData.pl
./house_data/noimage	
./house_data/noimage/464547	Sample house records without imagery
./house_data/noimage/464547/464547.txt	
./house_data/noimage/465364	
./house_data/noimage/465364/465364.txt	
./house_data/noimage/465434	
./house_data/noimage/465434/465434.txt	
./meta	Metadata implementation
./meta/metadata.xml	Extensible Markup Language Document
./meta/metadata.xsl	XML Stylesheet / Parser
./myfile.txt	ls -lR of this listing
./release	GEOHome tools begin
./release/bnd_region.dbf	Basemap boundary data
./release/bnd_region.sbn	
./release/bnd_region.sbx	
./release/bnd_region.shp	
./release/bnd_region.shx	
./release/busroute_polyline.dbf	Digitized busroute data
./release/busroute_polyline.shp	
./release/busroute_polyline.shx	

./release/geocd_houses.dbf	
./release/geocd_houses.shp	
./release/geocd_houses.shx	
./release/geocd_landmarks.dbf	Geocoded landmarks
./release/geocd_landmarks.shp	
./release/geocd_landmarks.shx	
./release/geocd_schools.dbf	Geocoded schools
./release/geocd_schools.sbn	
./release/geocd_schools.sbx	
./release/geocd_schools.shp	
./release/geocd_schools.shx	
./release/landmarks.txt	Text table input
./release/MAISON2.TXT	Text table input
./release/NEPEAN_0.DBF	Cleaned RMOc Street network
./release/NEPEAN_0.SBN	
./release/NEPEAN_0.SBX	
./release/NEPEAN_0.SHP	
./release/NEPEAN_0.SHX	
./release/release.apr	Main project file
./scripts	
Avenue script directory, named by logical function	
./scripts/dialog.aboutbox.ded	
./scripts/dialog.aboutbox.gotoweb site_lbl.click.ave	
./scripts/dialog.aboutbox.gotoweb site_lbl.update.ave	

<code>./scripts/dialog.aboutbox.main.ave</code>
<code>./scripts/dialog.aboutbox.ok_lbl.click.ave</code>
<code>./scripts/dialog.aboutbox.ok_lbl.update.ave</code>
<code>./scripts/dialog.aboutbox.open.ave</code>
<code>./scripts/dialog.infobox.cancel_lbl.click.ave</code>
<code>./scripts/dialog.infobox.cancel_lbl.update.ave</code>
<code>./scripts/dialog.infobox.ded</code>
<code>./scripts/dialog.infobox.main.ave</code>
<code>./scripts/dialog.infobox.open.ave</code>
<code>./scripts/dialog.infobox.submit_lbl.click.ave</code>
<code>./scripts/dialog.infobox.submit_lbl.update.ave</code>
<code>./scripts/dialog.queryhomes.area_cbx.select.ave</code>
<code>./scripts/dialog.queryhomes.area_cbx.update.ave</code>
<code>./scripts/dialog.queryhomes.cancel_lbl.click.ave</code>
<code>./scripts/dialog.queryhomes.cancel_lbl.update.ave</code>
<code>./scripts/dialog.queryhomes.ded</code>
<code>./scripts/dialog.queryhomes.main.ave</code>
<code>./scripts/dialog.queryhomes.numbaths_cbx.select.ave</code>
<code>./scripts/dialog.queryhomes.numbaths_cbx.update.ave</code>
<code>./scripts/dialog.queryhomes.numbeds_cbx.select.ave</code>
<code>./scripts/dialog.queryhomes.numbeds_cbx.update.ave</code>
<code>./scripts/dialog.queryhomes.open.ave</code>
<code>./scripts/dialog.queryhomes.pricemax_cbx.select.ave</code>
<code>./scripts/dialog.queryhomes.pricemax_cbx.update.ave</code>
<code>./scripts/dialog.queryhomes.pricemin_cbx.select.ave</code>
<code>./scripts/dialog.queryhomes.pricemin_cbx.update.ave</code>

<code>./scripts/dialog.queryhomes.submit_lbl.click.ave</code>
<code>./scripts/dialog.queryhomes.submit_lbl.update.ave</code>
<code>./scripts/dialog.queryhomes.type_cbx.select.ave</code>
<code>./scripts/dialog.queryhomes.type_cbx.update.ave</code>
<code>./scripts/project.startupgeohome.ave</code>
<code>./scripts/theme.exportdata.getdata.ave</code>
<code>./scripts/theme.exporttoexcel.putdata.ave</code>
<code>./scripts/view.hotlinktowebsite.ave</code>
<code>./scripts/view.makeatts.ave</code>



GEOHome v1.0 Source Code

C1. The following section comprises GEOHome v1.0:

- Avenue code
- Perl formatting code
- Perl CGI application
- XML metadata

```

1 .....
2 '
3 ' Script Name:      Project.StartupGEOHome
4 ' Script Description: Startup program for GEOHome, welcome message and option to start
5 '                   the GEOHome wizard
6 ' Usage:           As startup script to GEOHome project
7 ' Language:        Avenue
8 ' Returned Objects: none
9 ' Author:          Tom Kralidis
10 ' Created:         20 March 2000
11 ' Changes:
12 '
13 ' Author      Date      Modifications
14 ' T. Kralidis 20-March-2000 Initial Implementation
15 '
16 .....
17
18 ' variables
19
20 today = Date.Now
21 myHdr = "GEOHome v1.0 Startup: " + today.AsString
22 QueryHomesWizard = "Dialog.QueryHomes.Main"
23
24 ' welcome user, give option for wizard or default application
25
26 if(MsgBox.YesNo("Welcome GEOHome v1.0." + NL + "Start with the GEOHome Wizard?", myHdr, True)) then
27   if (QueryHomesWizard = nil) then
28     MsgBox.Error("Can't find script: " + QueryHomesWizard, "FindScript")
29     exit
30   else
31     av.Run(QueryHomesWizard, nil)
32   end
33 else
34   exit
35 end

```



```
1 .....
2 '
3 ' Script Name:      Dialog.AboutBox.Main
4 ' Script Description: Wrapper; Initiates Dialog Box for project About Box
5 ' Usage:           As Menu item under GEOHome | About GEOHome, as Shutdown script
6 ' Language:        Avenue
7 ' Returned Objects: none
8 ' Author:          Tom Kralidis
9 ' Created:         20-March-2000
10 ' Changes:
11 '
12 ' Author      Date      Modifications
13 ' T. Kralidis 20-March-2000 Initial Implementation
14 '
15 .....
16
17
18 ' Initialize the Dialog
19
20 av.FindDialog("AboutBox").Open
21
22 ' end
```

```

1 .....
2 '
3 ' Script Name:      Dialog.AboutBox.Open
4 ' Script Description: Declares and updates specified controls in dialog.
5 ' Usage:           Called after Dialog.ExportToExcel.Main
6 ' Language:        Avenue
7 ' Returned Objects: none
8 ' Author:          Tom Kralidis
9 ' Created:         20-March-2000
10 ' Changes:
11 '
12 ' Author      Date      Modifications
13 ' T. Kralidis 20-March-2000 Initial Implementation
14 '
15 .....
16
17 ' declare and update all controls in Dialog::ExportToExcelMain
18
19 ' eg below add when done
20
21 icnInfoBoxImage = self.FindByName("AboutBox.Image_icn")
22 icnInfoBoxImage.Update
23
24 lblAboutBoxGoToWebsite = self.FindByName("AboutBox.GoToWebsite_lbl")
25 lblAboutBoxGoToWebsite.Update
26
27 lblAboutBoxMainTitle = self.FindByName("AboutBox.MainTitle_lbl")
28 lblAboutBoxMainTitle.Update
29
30 lblAboutBoxOK = self.FindByName("AboutBox.OK_lbl")
31 lblAboutBoxOK.Update
32
33 icnAboutBoxDisclosure = self.FindByName("AboutBox.Disclosure_icn")
34 icnAboutBoxDisclosure.Update
35
36 ' end

```

```
1 .....
2 '
3 ' Script Name:      AboutBox.OK_Ibl.Click
4 ' Script Description: OK Button Control
5 ' Usage:           As label button under AboutBox Dialog
6 ' Language:        Avenue
7 ' Returned Objects: none
8 ' Author:          Tom Kralidis
9 ' Created:         20 March 2000
10 ' Changes:
11 '
12 ' Author      Date      Modifications
13 ' T. Kralidis 20-March-2000 Initial Implementation
14 '
15 .....
16
17 ' close the dialog box
18
19
20 self.GetDialog.Close
21
22 ' end
```

```
1 .....
2 '
3 ' Script Name:      Dialog.AboutBox.OK_Ibl.Update
4 ' Script Description: Enables the Click control verification
5 ' Usage:           Click Button (Dialog.AboutBox.Submit_Ibl.Click)
6 ' Language:        Avenue
7 ' Returned Objects: none
8 ' Author:          Tom Kralidis
9 ' Created:         20 March 2000
10 ' Changes:
11 '
12 ' Author    Date      Modifications
13 ' T. Kralidis 20-March-2000 Initial Implementation
14 '
15 .....
16
17 ' always true, always available
18
19
20 self.SetEnabled(TRUE)
21
22 ' end
```

```

1 .....
2 '
3 ' Script Name:      Dialog.AboutBox.GoToWebSite_Ibl.Click
4 ' Script Description: Submit Button Control, passes user selection to browser
5 ' Usage:           As label button under AboutBox Dialog
6 ' Language:        Avenue
7 ' Returned Objects: none
8 ' Author:          Tom Kralidis
9 ' Created:         20 March 2000
10 ' Changes:
11 '
12 ' Author      Date      Modifications
13 ' T. Kralidis 20-March-2000 Initial Implementation
14 '
15 .....
16
17 ' set self and header
18
19 self.SetEnabled(TRUE)
20
21 ' get website value, embedded in tag element of control, pass it to Netscape
22
23 ButtonTag = self.GetDialog.FindByName("AboutBox.GoToWebSite_Ibl").GetTag
24
25 if (ButtonTag = nil) then
26   MsgBox.Info("No selection", "")
27   self.GetDialog.Close
28 'end
29
30 else
31   MsgBox.Info("URL found", "")
32   System.Execute("C:\Program Files\Netscape\Communicator\Program\netscape.exe " + ButtonTag.AsString)
33 end
34
35 self.GetDialog.Close
36

```

```
1 .....
2 '
3 ' Script Name:      Dialog.AboutBox.GoToWebsite_Ibl.Update
4 ' Script Description: Enables the Click control verification
5 ' Usage:           Click Button (Dialog.AboutBox.Submit_Ibl.Click)
6 ' Language:        Avenue
7 ' Returned Objects: none
8 ' Author:          Tom Kralidis
9 ' Created:         20 March 2000
10 ' Changes:
11 '
12 ' Author    Date      Modifications
13 ' T. Kralidis 20-March-2000 Initial Implementation
14 '
15 .....
16
17 ' always true, always available
18
19
20 self.SetEnabled(TRUE)
21
22 ' end
```

```
1 .....
2 '
3 ' Script Name:      Dialog.InfoBox.Main
4 ' Script Description: Wrapper; Initiates Dialog Box to InfoBox
5 ' Usage:           As Menu item under GEOHome | InfoBox
6 ' Language:        Avenue
7 ' Returned Objects: none
8 ' Author:          Tom Kralidis
9 ' Created:         20 March 2000
10 ' Changes:
11 '
12 ' Author    Date      Modifications
13 ' T. Kralidis 20-March-2000 Initial Implementation
14 '
15 .....
16
17 ' Initialize the Dialog
18
19 av.FindDialog("InfoBox").Open
20
21 ' end
```

```

1 .....
2 '
3 ' Script Name:      Dialog.InfoBox.Open
4 ' Script Description: Declares and updates specified controls in dialog.
5 '                   Sets field values in accordance to user selection.
6 ' Usage:           Called after Dialog.InfoBox.Main
7 ' Language:        Avenue
8 ' Returned Objects: none
9 ' Author:          Tom Kralidis
10 ' Created:         28-Nov-1999
11 ' Changes:
12 '
13 ' Author    Date      Modifications
14 ' T. Kralidis 28-Nov-1999  Initial Implementation
15 ' T. Kralidis 30-March-2000 Implemented for GEOHome
16 '
17 .....
18
19 ' declare and update all controls in Dialog::ExportToExcelMain
20
21 icnInfoBoxImage = self.FindByName("InfoBox.Image_icn")
22 icnInfoBoxImage.Update
23
24 cplInfoBoxPanel = self.FindByName("InfoBox.Panel_cpl")
25 cplInfoBoxPanel.Update
26
27 rbtnInfoBoxMortgageCalculator = self.FindByName("InfoBox.MortgageCalculator_rbtn")
28 rbtnInfoBoxMortgageCalculator.Update
29
30 rbtnInfoBoxLocalNews = self.FindByName("InfoBox.LocalNews_rbtn")
31 rbtnInfoBoxLocalNews.Update
32
33 rbtnInfoBoxLocalGovernment = self.FindByName("InfoBox.LocalGovernment_rbtn")
34 rbtnInfoBoxLocalGovernment.Update
35
36 rbtnInfoBoxCityNews = self.FindByName("InfoBox.CityNews_rbtn")
37 rbtnInfoBoxCityNews.Update
38
39 lbl_InfoBoxSubmit = self.FindByName("InfoBox.Submit_lbl")
40 lbl_InfoBoxSubmit.Update
41
42 lbl_InfoBoxCancel = self.FindByName("InfoBox.Cancel_lbl")
43 lbl_InfoBoxCancel.Update
44
45 ' end

```



```

1 .....
2 '
3 ' Script Name:      Dialog.InfoBox.Submit_Ibl.Click
4 ' Script Description: Submit Button Control, passes user selection to browser
5 ' Usage:           As label button under InfoBox Dialog
6 ' Language:        Avenue
7 ' Returned Objects: none
8 ' Author:          Tom Kralidis
9 ' Created:         20 March 2000
10 ' Changes:
11 '
12 ' Author      Date      Modifications
13 ' T. Kralidis  20-March-2000  Initial Implementation
14 '
15 .....
16
17 ' set self and header
18
19 self.SetEnabled(TRUE)
20
21 myHdr = "InfoBox"
22
23 ' get user radio button selection from control panel
24
25 cpl = self.GetDialog.FindByName("InfoBox.Panel_cpl")
26
27 if (cpl = nil) then
28   MsgBox.Info("Can't find dialogue", myHdr)
29   self.GetDialog.Close
30 end
31
32 cplChoice = cpl.GetSelected
33
34 if (cplChoice = nil) then
35   MsgBox.Info("No selection", myHdr)
36   self.GetDialog.Close
37 end
38
39 ' get website value, embedded in tag element of control, pass it to Netscape
40
41 cplChoiceTag = cplChoice.GetTag
42
43 if (cplChoiceTag = nil) then
44   MsgBox.Info("No URL", myHdr)
45   self.GetDialog.Close
46
47 else
48   MsgBox.Info("URL found", myHdr)
49   System.Execute("C:\Program Files\Netscape\Communicator\Program\netscape.exe " + cplChoiceTag.AsString)
50 end
51
52 self.GetDialog.Close
53
54 ' end

```

```
1 .....
2 '
3 ' Script Name:      Dialog.InfoBox.Submit_Ibl.Update
4 ' Script Description: Enables the Click control verification
5 ' Usage:           Click Button (Dialog.InfoBox.Submit_Ibl.Click)
6 ' Language:       Avenue
7 ' Returned Objects: none
8 ' Author:         Tom Kralidis
9 ' Created:        20 March 2000
10 ' Changes:
11 '
12 ' Author    Date      Modifications
13 ' T. Kralidis 20-March-2000 Initial Implementation
14 '
15 .....
16
17
18 ' always true, always available
19
20
21 self.SetEnabled(TRUE)
22
23 ' end
```

```
1 .....
2 '
3 ' Script Name:      Dialog.InfoBox.Cancel_Ibl.Click
4 ' Script Description: Cancel Button Control
5 ' Usage:           As label button under InfoBox Dialog
6 ' Language:        Avenue
7 ' Returned Objects: none
8 ' Author:          Tom Kralidis
9 ' Created:         20 March 2000
10 ' Changes:
11 '
12 ' Author      Date      Modifications
13 ' T. Kralidis 20-March-2000 Initial Implementation
14 '
15 .....
16
17 ' close the dialog box
18
19
20 self.GetDialog.Close
21
22 ' end
```

```
1 .....
2 '
3 ' Script Name:      Dialog.InfoBox.Cancel_Ibl.Update
4 ' Script Description: Enables the Click control verification
5 ' Usage:           Click Button (Dialog.InfoBox.Submit_Ibl.Click)
6 ' Language:        Avenue
7 ' Returned Objects: none
8 ' Author:          Tom Kralidis
9 ' Created:         20 March 2000
10 ' Changes:
11 '
12 ' Author    Date      Modifications
13 ' T. Kralidis 20-March-2000 Initial Implementation
14 '
15 .....
16
17 ' always true, always available
18
19
20 self.SetEnabled(TRUE)
21
22 ' end
```

```
1 .....
2 '
3 ' Script Name:      Dialog.QueryHomes.Main
4 ' Script Description: Wrapper; Initiates Dialog Box to Export Fields to Micro$oft Excel
5 ' Usage:           As Popup under View Menu (Export Dialog).
6 ' Author:          Tom Kralidis
7 ' Created:         28-Nov-1999
8 ' Changes:
9 '
10 ' Author    Date      Modifications
11 ' T. Kralidis 28-Nov-1999 Initial Implementation
12 '
13 .....
14
15 ' Initialize the Dialog
16
17
18 av.FindDialog("QueryHomes").Open
19
20 ' end
```

```

1 '
2 '
3 ' Script Name:      Dialog.QueryHomes.Open
4 ' Script Description: Declares and updates specified controls in dialog.
5 '                  Sets field values in accordance to user selection.
6 ' Usage:           Called after Dialog.ExportToExcel.Main
7 ' Author:          Tom Kralidis
8 ' Created:         28-Nov-1999
9 ' Changes:
10 '
11 ' Author      Date      Modifications
12 ' T. Kralidis 28-Nov-1999 Initial Implementation
13 '
14 '
15
16 ' declare and update all controls in Dialog::ExportToExcelMain
17
18 tblQueryHomesPriceMin = self.FindByName("QueryHomes.PriceMin_tlbl")
19 tblQueryHomesPriceMin.Update
20
21 tblQueryHomesType = self.FindByName("QueryHomes.Type_tlbl")
22 tblQueryHomesType.Update
23
24 tblQueryHomesArea = self.FindByName("QueryHomes.Area_tlbl")
25 tblQueryHomesArea.Update
26
27 tblQueryHomesNumBaths = self.FindByName("QueryHomes.NumBaths_tlbl")
28 tblQueryHomesNumBaths.Update
29
30 tblQueryHomesNumBeds = self.FindByName("QueryHomes.NumBeds_tlbl")
31 tblQueryHomesNumBeds.Update
32
33 lblQueryHomesSubmit = self.FindByName("QueryHomes.Submit_lbl")
34 lblQueryHomesSubmit.Update
35
36 cbxQueryHomesPriceMin = self.FindByName("QueryHomes.PriceMin_cbx")
37 cbxQueryHomesPriceMin.Update
38
39 cbxQueryHomesPriceMax = self.FindByName("QueryHomes.PriceMax_cbx")
40 cbxQueryHomesPriceMax.Update
41
42 tblQueryHomesPriceMax = self.FindByName("QueryHomes.PriceMax_tlbl")
43 tblQueryHomesPriceMax.Update
44
45 cbxQueryHomesArea = self.FindByName("QueryHomes.Area_cbx")
46 cbxQueryHomesArea.Update
47
48 cbxQueryHomesType = self.FindByName("QueryHomes.Type_cbx")
49 cbxQueryHomesType.Update
50
51 cbxQueryHomesNumBeds = self.FindByName("QueryHomes.NumBeds_cbx")
52 cbxQueryHomesNumBeds.Update
53
54 cbxQueryHomesNumBaths = self.FindByName("QueryHomes.NumBaths_cbx")
55 cbxQueryHomesNumBaths.Update
56
57 icnQueryHomesImage = self.FindByName("QueryHomes.Image_icn")
58 icnQueryHomesImage.Update
59
60 cbxQueryHomesExportCheck = self.FindByName("QueryHomes.ExportCheck_cbx")
61 cbxQueryHomesExportCheck.Update

```

```
62
63 ' set change updates upon user selection
64
65 'cbxThemes.SetListeners ({lbxChooseFields})
66
67 ' end
```

```
1 .....
2 '
3 ' Script Name:      Dialog.QueryHomes.PriceMin_cbx.Select
4 ' Script Description: Broadcast update to listeners identified in Dialog.QueryHomes.Open
5 ' Usage:           Blind update
6 ' Author:          Tom Kralidis
7 ' Created:         28-Nov-1999
8 ' Changes:
9 '
10 ' Author      Date      Modifications
11 ' T. Kralidis 28-Nov-1999  Initial Implementation
12 '
13 .....
14
15 ' update changes
16
17 self.BroadcastUpdate
18
19 ' end
```



```
1 .....
2 '
3 ' Script Name:      Dialog.QueryHomes.PriceMin_cbx.Update
4 ' Script Description: Returns available themes to Dialog Box QueryHomes
5 ' Usage:           Called after Dialog.QueryHomes.Open
6 ' Author:          Tom Kralidis
7 ' Created:         28-Nov-1999
8 ' Changes:
9 '
10 ' Author      Date      Modifications
11 ' T. Kralidis 28-Nov-1999 Initial Implementation
12 '
13 .....
14
15 self.SetEnabled(TRUE)
16
17 theTypeList = av.run("View.MakeAtts", "").Get(4)
18
19 MsgBox.MultiListAsString(theTypeList, "", "")
20
21 ' return variables to dialog box
22
23 self.DefineFromList(theTypeList)
24
25 ' end
```

```
1 .....
2 '
3 ' Script Name:      Dialog.QueryHomes.PriceMax_cbx.Select
4 ' Script Description: Broadcast update to listeners identified in Dialog.QueryHomes.Open
5 ' Usage:           Blind update
6 ' Author:          Tom Kralidis
7 ' Created:         28-Nov-1999
8 ' Changes:
9 '
10 ' Author    Date      Modifications
11 ' T. Kralidis 28-Nov-1999  Initial Implementation
12 '
13 .....
14
15 ' update changes
16
17 self.BroadcastUpdate
18
19 ' end
```

```
1 .....
2 '
3 ' Script Name:      Dialog.QueryHomes.PriceMax_cbx.Update
4 ' Script Description: Returns available themes to Dialog Box QueryHomes
5 ' Usage:           Called after Dialog.QueryHomes.Open
6 ' Author:          Tom Kralidis
7 ' Created:         28-Nov-1999
8 ' Changes:
9 '
10 ' Author      Date      Modifications
11 ' T. Kralidis 28-Nov-1999 Initial Implementation
12 '
13 .....
14
15 self.SetEnabled(TRUE)
16
17 theTypeList = av.run("View.MakeAtts", "").Get(4)
18
19 MsgBox.MultiListAsString(theTypeList, "", "")
20
21 ' return variables to dialog box
22
23 self.DefineFromList(theTypeList)
24
25 ' end
```

```
1 .....
2 '
3 ' Script Name:      Dialog.QueryHomes.Area_cbx.Select
4 ' Script Description: Broadcast update to listeners identified in Dialog.QueryHomes.Open
5 ' Usage:           Blind update
6 ' Author:          Tom Kralidis
7 ' Created:         28-Nov-1999
8 ' Changes:
9 '
10 ' Author    Date      Modifications
11 ' T. Kralidis 28-Nov-1999  Initial Implementation
12 '
13 .....
14
15 ' update changes
16
17 self.BroadcastUpdate
18
19 ' end
```

```
1 .....
2 '
3 ' Script Name:      Dialog.QueryHomes.Area_cbx.Update
4 ' Script Description: Returns available themes to Dialog Box QueryHomes
5 ' Usage:           Called after Dialog.QueryHomes.Open
6 ' Author:          Tom Kralidis
7 ' Created:         28-Nov-1999
8 ' Changes:
9 '
10 ' Author      Date      Modifications
11 ' T. Kralidis 28-Nov-1999 Initial Implementation
12 '
13 .....
14
15 self.SetEnabled(TRUE)
16
17 theTypeList = av.run("View.MakeAtts", "").Get(1)
18
19 MsgBox.MultiListAsString(theTypeList, "", "")
20
21 ' return variables to dialog box
22
23 self.DefineFromList(theTypeList)
24
25 ' end
```

```
1 .....
2 '
3 ' Script Name:      Dialog.QueryHomes.Type_cbx.Select
4 ' Script Description: Broadcast update to listeners identified in Dialog.QueryHomes.Open
5 ' Usage:           Blind update
6 ' Author:          Tom Kralidis
7 ' Created:         28-Nov-1999
8 ' Changes:
9 '
10 ' Author    Date      Modifications
11 ' T. Kralidis 28-Nov-1999  Initial Implementation
12 '
13 .....
14
15 ' update changes
16
17 self.BroadcastUpdate
18
19 ' end
```

```
1 .....
2 '
3 ' Script Name:      Dialog.QueryHomesType_cbx.Update
4 ' Script Description: Returns available themes to Dialog Box QueryHomes
5 ' Usage:          Called after Dialog.QueryHomes.Open
6 ' Author:         Tom Kralidis
7 ' Created:        28-Nov-1999
8 ' Changes:
9 '
10 ' Author      Date      Modifications
11 ' T. Kralidis 28-Nov-1999 Initial Implementation
12 '
13 .....
14
15 self.SetEnabled(TRUE)
16
17 theTypeList = av.run("View.MakeAtts", "").Get(0)
18
19 'MsgBox.MultiListAsString(theTypeList, "", "")
20
21 ' return variables to dialog box
22
23 self.DefineFromList(theTypeList)
24
25 ' end
```

```
1 .....
2 '
3 ' Script Name:      Dialog.QueryHomes.NumBeds_cbx.Select
4 ' Script Description: Broadcast update to listeners identified in Dialog.QueryHomes.Open
5 ' Usage:           Blind update
6 ' Author:          Tom Kralidis
7 ' Created:         28-Nov-1999
8 ' Changes:
9 '
10 ' Author    Date      Modifications
11 ' T. Kralidis 28-Nov-1999  Initial Implementation
12 '
13 .....
14
15 ' update changes
16
17 self.BroadcastUpdate
18
19 ' end
```



```
1 .....
2 '
3 ' Script Name:      Dialog.QueryHomes.NumBeds_cbx.Update
4 ' Script Description: Returns available themes to Dialog Box QueryHomes
5 ' Usage:          Called after Dialog.QueryHomes.Open
6 ' Author:         Tom Kralidis
7 ' Created:        28-Nov-1999
8 ' Changes:
9 '
10 ' Author      Date      Modifications
11 ' T. Kralidis 28-Nov-1999  Initial Implementation
12 '
13 .....
14
15 self.SetEnabled(TRUE)
16
17 theTypeList = av.run("View.MakeAtts", "").Get(2)
18
19 MsgBox.MultiListAsString(theTypeList, "", "")
20
21 ' return variables to dialog box
22
23 self.DefineFromList(theTypeList)
24
25 ' end
```

```
1 .....
2 '
3 ' Script Name:      Dialog.QueryHomes.NumBaths_cbx.Select
4 ' Script Description: Broadcast update to listeners identified in Dialog.QueryHomes.Open
5 ' Usage:           Blind update
6 ' Author:          Tom Kralidis
7 ' Created:         28-Nov-1999
8 ' Changes:
9 '
10 ' Author    Date      Modifications
11 ' T. Kralidis 28-Nov-1999  Initial Implementation
12 '
13 .....
14
15 ' update changes
16
17 self.BroadcastUpdate
18
19 ' end
```

```
1 .....
2 '
3 ' Script Name:      Dialog.QueryHomes.NumBaths_cbx.Update
4 ' Script Description: Returns available themes to Dialog Box QueryHomes
5 ' Usage:           Called after Dialog.QueryHomes.Open
6 ' Author:          Tom Kralidis
7 ' Created:         28-Nov-1999
8 ' Changes:
9 '
10 ' Author      Date      Modifications
11 ' T. Kralidis 28-Nov-1999 Initial Implementation
12 '
13 .....
14
15 self.SetEnabled(TRUE)
16
17 theTypeList = av.run("View.MakeAtts", "").Get(3)
18
19 MsgBox.MultiListAsString(theTypeList, "", "")
20
21 ' return variables to dialog box
22
23 self.DefineFromList(theTypeList)
24
25 ' end
```

```
1 .....
2 '
3 ' Script Name:      Dialog.QueryHomes.Submit_Ibl.Update
4 ' Script Description: Enables the Click control verification
5 ' Usage:           Click Button (Dialog.QueryHomes.Submit_Ibl.Click)
6 ' Author:          Tom Kralidis
7 ' Created:         30-Nov-1999
8 ' Changes:
9 '
10 ' Author      Date      Modifications
11 ' T. Kralidis 30-Nov-1999  Initial Implementation
12 '
13 .....
14
15 ' always true, always available
16
17
18 self.SetEnabled(TRUE)
19
20 ' end
```

```

1 '-----
2 '
3 ' Script Name:      Dialog.QueryHomes.Submit_Ibl.Click
4 ' Script Description: Gets user selection from Dialog box controls and searches for houses in selection
5 ' Usage:           As control in Dialog Box QueryHomes
6 ' Author:          Tom Kralidis
7 ' Created:         30-Nov-1999
8 ' Changes:
9 '
10 ' Author      Date      Modifications
11 ' T. Kralidis 30-Nov-1999  Initial Implementation
12 ' T. Kralidis 30-March-2000 Updated for GEOHome
13 '
14 '-----
15
16 ' set self
17
18
19 self.SetEnabled(TRUE)
20
21
22 'set default header
23
24
25 myHdr   = "QueryHomes"
26 viewname = "Nepean, Ontario"
27 themename = "Geocd_houses.shp"
28
29 theView = av.GetProject.FindDoc(viewname)
30 if (theView = nil) then
31   MsgBox.Info("Can't find view: " + viewname.AsString, myHdr)
32   self.GetDialog.Close
33   exit
34 end
35
36 theTheme = theView.FindTheme(themename)
37 if (theTheme = nil) then
38   MsgBox.Info("Can't find theme: " + themename.AsString, myHdr)
39   self.GetDialog.Close
40   exit
41 end
42
43 theFTab = theTheme.GetFTab
44 if (theFTab = nil) then
45   MsgBox.Info("No FTab", myHdr)
46   self.GetDialog.Close
47   exit
48 end
49
50 theSelection = theFTab.GetSelection
51
52 selCount = theSelection.Count
53
54 if (selCount <> 0) then
55   tmpvar = 6
56 ' MsgBox.Info("Selection", myHdr)
57 else
58 ' MsgBox.Info("No selection", myHdr)
59   theSelection.SetAll
60 end
61

```

```

62 ' get user entered stuff from control boxes
63
64 minPricetmp = self.GetDialog.FindByName("QueryHomes.PriceMin_cbx")
65 minPrice = minPricetmp.GetSelection
66
67 maxPricetmp = self.GetDialog.FindByName("QueryHomes.PriceMax_cbx")
68 maxPrice = maxPricetmp.GetSelection
69
70 areatmp = self.GetDialog.FindByName("QueryHomes.Area_cbx")
71 Area = areatmp.GetSelection
72
73 typetmp = self.GetDialog.FindByName("QueryHomes.Type_cbx")
74 Type = typetmp.GetSelection
75
76 numbedstmp = self.GetDialog.FindByName("QueryHomes.NumBeds_cbx")
77 Numbeds = numbedstmp.GetSelection
78
79 numbathstmp = self.GetDialog.FindByName("QueryHomes.NumBaths_cbx")
80 Numbaths = numbathstmp.GetSelection
81
82 chkbx = self.GetDialog.FindByName("QueryHomes.ExportCheck_cbx")
83
84 ' we now have the following variables to query:
85 ' minPrice
86 ' maxPrice
87 ' area
88 ' type
89 ' numbeds
90 ' numbaths
91
92 if (minPrice <> "> 250000") then
93   if (minPrice > maxPrice) then
94     MsgBox.Info("Invalid price range", myHdr)
95     self.GetDialog.Close
96     exit
97   end
98   myQueryString = "[Price] > " + minPrice.AsString
99   theFTab.Query (myQueryString, theSelection, #VTAB_SELTYPE_AND)
100  theFTab.UpdateSelection
101 end
102
103 if (maxPrice <> "> 250000") then
104   myQueryString = "[Price] < " + maxPrice.AsString
105   theFTab.Query (myQueryString, theSelection, #VTAB_SELTYPE_AND)
106   theFTab.UpdateSelection
107 end
108
109 if (Area <> "All") then
110   myQueryString = "[Area] = " + Area.Quote
111   theFTab.Query (myQueryString, theSelection, #VTAB_SELTYPE_AND)
112   theFTab.UpdateSelection
113 end
114
115 if (Type <> "All") then
116   myQueryString = "[Type] = " + Type.Quote
117   theFTab.Query (myQueryString, theSelection, #VTAB_SELTYPE_AND)
118   theFTab.UpdateSelection
119 end
120
121 if (Numbeds <> "All") then
122   myQueryString = "[Numbeds] = " + Numbeds.AsString

```

```

123 theFTab.Query (myQueryString, theSelection, #VTAB_SELTYPE_AND)
124 theFTab.UpdateSelection
125 end
126
127 if (Numbaths <> "All") then
128   myQueryString = "[Numbaths] = " + Numbaths.AsString
129   theFTab.Query (myQueryString, theSelection, #VTAB_SELTYPE_AND)
130   theFTab.UpdateSelection
131 end
132
133 ' query done, if nil, die, else continue and check for export toggle key
134
135 mytmpBitMap = theFTab.GetSelection.Count
136
137 if (mytmpBitMap = 0) then
138   MsgBox.Info("No records found", myHdr)
139   self.GetDialog.Close
140   exit
141 end
142
143 MsgBox.Info("Query matches highlighted. Use the hotlink key for more information", myHdr)
144
145 if (chkbx.IsSelected) then
146   MsgBox.Info("Exporting data.", myHdr)
147   av.Run("Theme.ExportData.GetData", nil) ' call exportdata script
148   self.GetDialog.Close
149   exit
150 end
151
152 ' qc line message box
153 'MsgBox.Info(minPrice.AsString + " " + maxPrice.AsString + " " + area.AsString + " " + type.AsString + " " +
154   numbeds.AsString + " " + numbaths.AsString, "")
155 self.GetDialog.Close
156
157 ' end

```

```
1 .....
2 '
3 ' Script Name:      Dialog.QueryHomes.Cancel_Ibl.Click
4 ' Script Description: Cancel Button Control
5 ' Usage:           As label button under QueryHomes Dialog
6 ' Language:        Avenue
7 ' Returned Objects: none
8 ' Author:          Tom Kralidis
9 ' Created:         20 March 2000
10 ' Changes:
11 '
12 ' Author      Date      Modifications
13 ' T. Kralidis 20-March-2000 Initial Implementation
14 '
15 .....
16
17 ' close the dialog box
18
19
20 self.GetDialog.Close
21
22 ' end
```



```
1 .....
2 '
3 ' Script Name:      Dialog.QueryHomes.Cancel_Ibl.Update
4 ' Script Description: Enables the Click control verification
5 ' Usage:           Click Button (Dialog.QueryHomes.Cancel_Ibl.Click)
6 ' Language:        Avenue
7 ' Returned Objects: none
8 ' Author:          Tom Kralidis
9 ' Created:         20 March 2000
10 ' Changes:
11 '
12 ' Author    Date      Modifications
13 ' T. Kralidis 20-March-2000 Initial Implementation
14 '
15 .....
16
17 ' always true, always available
18
19
20 self.SetEnabled(TRUE)
21
22 ' end
```

```

1 .....
2 '
3 ' Script Name:      Theme.ExportData.GetData
4 ' Script Description: Gets user selection and passes parameters to Excel processing script
  (Theme.ExportToExcel.PutData)
5 ' Usage:          As Popup under View Menu (Save To Excel).
6 ' Language:       Avenue
7 ' Returned Objects: theList
8 ' Author:         Tom Kralidis
9 ' Created:        20-March-2000
10 ' Changes:
11 '
12 ' Author      Date      Modifications
13 ' T. Kralidis 20-March-2000 Initial Implementation
14 '
15 .....
16
17 ' get theme and set default header
18
19 myHdr = "Export to Excel"
20
21 myTheme = av.GetProject.FindDoc("Nepean, Ontario").FindTheme("Geocd_houses.shp")
22
23 if (myTheme = nil) then
24   MsgBox.Info("Error, check for View and Theme.", myHdr)
25   exit
26 end
27
28
29 ' Get table information for later use
30
31 myFTab = myTheme.GetFTab
32 tableName = myFTab.GetName
33 theFields = myFTab.GetFields
34 theSelection = myFTab.GetSelection
35
36 if (theSelection = nil) then
37 '   MsgBox.Info("no data", myHdr)
38 '   exit
39 ' end
40
41 ' following chunk taken from Table.Export - ESRI system script
42 ' set up export list
43
44 formats = {"dBASE", "INFO", "Delimited Text", "Excel"}
45
46 format = MsgBox.ListAsString(formats, "Export Format:", "Export Table")
47 if (format = "dBASE") then
48   theClass = DBASE
49   theFilter = "*.dbf"
50   theExt = "dbf"
51 elseif (format = "Delimited Text") then
52   theClass = DTXT
53   theFilter = "*.txt"
54   theExt = "txt"
55 elseif (format = "INFO") then
56   theClass = INFO
57   theFilter = "arcdr9"
58   theExt = ""
59 elseif (format = "Excel") then
60 '   Allow user to select fields

```

```

61 fieldList = MsgBox.MultiList(theFields,"Choose fields to write to Excel:", myHdr)
62 if (fieldList = Nil) then
63     MsgBox.Info("No fields chosen" + NL + "Exiting.", myHdr)
64     exit
65 end
66
67 ' put derived values to a passeable list
68
69 theList = List.Make
70
71 theList.Add(myHdr)
72 theList.Add(myFtab)
73 theList.Add(tableName)
74 theList.Add(theSelection)
75 theList.Add(fieldList)
76
77 av.Run("Theme.ExportToExcel.PutData",theList)
78 exit
79 else
80     return nil
81 end
82
83 ' write to other output data format
84
85 theFileName=FileDialog.Put(av.GetProject.MakeFileName("table", theExt),
86     theFilter,"Export Table")
87 if (theFileName = NIL) then return nil end
88
89 theFTab = theTable.GetFTab
90 ext = theFileName.GetExtension
91 if (((theClass.IsSubclassOf(DTXT)) or (theClass.IsSubclassOf(DBASE))) and (ext <> theExt)) then
92     theFileName.SetExtension(theExt)
93 end
94
95 if (myFTab.GetSelection.Count=0) then
96     myFTab.Export(theFileName, theClass, FALSE)
97     av.ShowMsg("All records written to"++theFileName.GetBaseName)
98 else
99     myFTab.Export(theFileName, theClass, TRUE)
100     av.ShowMsg("Selected records written to"++theFileName.GetBaseName)
101 end
102 if ((System.GetOS = #SYSTEM_OS_MAC) and ((format = "INFO").not)) then
103     Script.Make("MacClass.SetDocInfo(SELF, Table)").DoIt(theFileName)
104 end
105
106 exit

```

```

1 .....
2 '
3 ' Script Name:      Theme.ExportToExcel.PutData
4 ' Script Description: generic routine to write selection to Micro$oft Excel spreadsheet
5 ' Usage:           called from other scripts (Theme.ExportToExcel.GetData)
6 ' Language:        Avenue
7 ' Returned Objects: none
8 ' Author:          Tom Kralidis
9 ' Created:         20-March-2000
10 ' Changes:
11 '
12 ' Author      Date      Modifications
13 ' T. Kralidis 20-March-2000 Initial Implementation
14 '
15 .....
16
17 ' pick up parameters from incoming request script
18
19 myHdr = self.Get(0)
20 myFTab = self.Get(1)
21 tableName = self.Get(2)
22 theSelection = self.Get(3)
23 fieldList = self.Get(4)
24
25
26 ' test
27
28 System.Execute("C:\Program Files\Microsoft Office\Office\Excel.exe")
29
30 ' Create the ArcView DDEClient to speak to Excel
31
32
33 systemClient = DDEClient.Make("Excel", "System")
34
35 if (systemClient.HasError) then
36   MsgBox.Error(systemClient.GetErrorMsg + ". Open your Excel Application", myHdr)
37   exit
38 end
39
40
41 ' Create the new Excel worksheet
42
43
44 systemClient.Execute("[NEW(1,0,FALSE)])")
45
46
47 ' Get the name of the new worksheet. Selection is an Excel item supported for the System topic.
48
49
50 selection = systemClient.Request("Selection")
51 spreadsheet = selection.Left(selection.IndexOf("!"))
52
53
54 ' Ensure R1C1 format
55
56
57 systemClient.Execute("[Workspace(,TRUE)]")
58 systemClient.Close
59
60
61 ' Open a new conversation with the Excel spreadsheet as the topic

```

```

62
63
64 ssClient = ddeClient.Make("Excel", spreadsheet)
65
66
67 ' Get table information for later use
68
69
70 ' Write the table name to the spreadsheet
71
72
73 row = 1
74 column = 1
75 ssClient.Poke("R"+row.AsString+"C"+column.AsString, tableName)
76
77
78
79 ' Write chosen field names to the spreadsheet
80
81
82 row = 2
83 column = 0
84 for each f in fieldList
85   column = column + 1
86   ssClient.Poke("R"+row.AsString+"C"+column.AsString, f.GetName)
87 end
88
89
90
91 ' Write the values for selected features to spreadsheet
92
93
94 for each thingy in theSelection
95   row = row + 1
96   column = 0
97   for each f in fieldList
98     column = column + 1
99     dataString = myFTab.ReturnValueString(f, thingy)
100    ssClient.Poke("R"+row.AsString+"C"+column.AsString, dataString)
101  end
102 end
103 ssClient.Close
104
105 MsgBox.Info("Data written. Check your Excel application for results.", myHdr)
106
107 ' end

```

```

1  '
2  '
3  ' Script Name:      View.HotlinkToWebPage
4  ' Script Description: Points user to GEOHome website for supplementary house information
5  ' Usage:           Executed upon user click using the hotlink tool
6  ' Language:       Avenue
7  ' Returned Objects: none
8  ' Author:         Tom Kralidis
9  ' Created:        20 March 2000
10 ' Changes:
11 '
12 ' Author      Date      Modifications
13 ' T. Kralidis  20-March-2000  Initial Implementation
14 '
15  '
16  '
17  '
18 ' default window header
19
20 myHdr = "HotLink to the Internet"
21
22 ' Test Micro$oft Operating system type, setup DLL's for appropriate system.
23
24 if (System.GetOSVariant = #SYSTEM_OSVARIANT_MSWNT) then
25   dllShell32 = DLL.Make("C:\winnt\system32\shell32.dll".AsFileName)
26   dllUser32  = DLL.Make("C:\winnt\system32\user32.dll".AsFileName)
27 elseif (System.GetOSVariant = #SYSTEM_OSVARIANT_MSW95) then
28   dllShell32 = DLL.Make("C:\windows\system\shell32.dll".AsFileName)
29   dllUser32  = DLL.Make("C:\windows\system\user32.dll".AsFileName)
30 else
31   MsgBox.Info("Looks like you're not using Windows, good choice!!", myHdr)
32   exit
33 end
34 if ((dllShell32 = nil) or (dllUser32 = nil)) then
35   MsgBox.Error("Can't find required DLL's. Check your setup.", myHdr)
36   exit
37 end
38
39
40 ' setup Win32API to talk with Avenue
41
42
43 dpGetActiveWindow = DLLProc.Make(dllUser32, "GetActiveWindow", #DLLPROC_TYPE_INT32, {})
44
45 dpShellExecute = DLLProc.Make
46   (
47     dllShell32, "ShellExecuteA",
48     #DLLPROC_TYPE_INT32,
49     {
50       #DLLPROC_TYPE_INT32,
51       #DLLPROC_TYPE_STR,
52       #DLLPROC_TYPE_STR,
53       #DLLPROC_TYPE_STR,
54       #DLLPROC_TYPE_STR,
55       #DLLPROC_TYPE_INT32
56     }
57   )
58
59
60
61 ' Get window handle of ArcView window

```

```
62
63
64 activeWin = DLL.GetAVWindowHandle
65
66
67 ' Get the URL off clicked area of theme
68
69
70 hotLink = SELF
71
72
73 ' Send info to default browser
74
75
76 hotLinkToBrowser = dpShellExecute.Call({ActiveWin, "Open", Hotlink, myHdr, FileName.GetCWD.AsString, 1})
77
78 if (hotLinkToBrowser <= 32) then
79   MsgBox.Warning("Hotlink failed", myHdr)
80 end
81
82 ' end of script
83
```

```

1 .....
2 '
3 ' Script Name:      View.MakeAtts
4 ' Script Description: Compiles and sends list of lists to QueryHomes dialog box
5 ' Usage:           Called as routine within QueryHomes dialog box
6 ' Language:        Avenue
7 ' Returned Objects: myFinalList
8 ' Author:          Tom Kralidis
9 ' Created:         20-March-2000
10 ' Changes:
11 '
12 ' Author      Date      Modifications
13 ' T. Kralidis 20-March-2000 Initial Implementation
14 '
15 .....
16 ' get data
17
18 myView = av.FindDoc("Nepean, Ontario")
19 myTheme = myView.FindTheme("Geocd_houses.shp")
20 myFTab = myTheme.GetFTab
21
22 ' make dummy price ranges
23
24 myPriceList = List.Make
25
26 myFakePrice = 100000
27
28 while (myFakePrice < 250000)
29   myPriceList.Add(myFakePrice)
30   myFakePrice = myFakePrice + 50000
31 end
32
33 myPriceList.Add("> 250000")
34
35 MsgBox.MultiListAsString(myPriceList, "", "")
36
37 ' get all fields and sort
38
39 myTypeFieldList  = myFTab.FindField("Type")
40 myAreaFieldList  = myFTab.FindField("Area")
41 myNumBedsFieldList = myFTab.FindField("Numbeds")
42 myNumBathsFieldList = myFTab.FindField("Numbaths")
43
44 myTypeList  = {}
45 myAreaList  = {}
46 myNumBedsList = {}
47 myNumBathsList = {}
48
49
50 for each record in myFTab
51   myTypeList.Add(myFTab.ReturnValue(myTypeFieldList,record))
52   myAreaList.Add(myFTab.ReturnValue(myAreaFieldList,record))
53   myNumBedsList.Add(myFTab.ReturnValue(myNumBedsFieldList,record))
54   myNumBathsList.Add(myFTab.ReturnValue(myNumBathsFieldList,record))
55 end
56
57 ' clean up arrays, removing duplicates and sorting
58
59 myTypeList.RemoveDuplicates
60 myTypeList.Add("All")
61 myTypeList.Sort(True)

```



```
62
63 myAreaList.RemoveDuplicates
64 myAreaList.Add("All")
65 myAreaList.Sort(True)
66
67 myNumBedsList.RemoveDuplicates
68 myNumBedsList.Sort(True)
69 myNumBedsList.Add("All")
70
71 myNumBathsList.RemoveDuplicates
72 myNumBathsList.Sort(True)
73 myNumBathsList.Add("All")
74
75 myFinalList = List.Make
76
77 myFinalList.Add(myTypeList)
78 myFinalList.Add(myAreaList)
79 myFinalList.Add(myNumBedsList)
80 myFinalList.Add(myNumBathsList)
81 myFinalList.Add(myPriceList)
82
83 return myFinalList
```

```

1 .....
2 '
3 ' Script Name:      View.Theme.GetStats
4 ' Script Description: Reports information found within selected area of user marquee select
5 ' Usage:           As popup upon user selection
6 ' Language:        Avenue
7 ' Returned Objects: none
8 ' Author:          Tom Kralidis
9 ' Created:         20 March 2000
10 ' Changes:
11 '
12 ' Author      Date      Modifications
13 ' T. Kralidis  20-March-2000  Initial Implementation
14 '
15 .....
16
17 myHdr = "Average Price of Selected Area"
18
19 myProj = av.GetProject
20 myView = myProj.FindDoc("Nepean, Ontario")
21
22 myHouseTheme = myView.FindTheme("Geocd_houses.shp")
23 myHouseTheme.SetVisible(True)
24 myHouseTheme.SetActive(True)
25 myHouseFTab = myHouseTheme.GetFTab
26 theBitmap = myHouseFTab.GetSelection
27
28 myHouseFieldList = myHouseFTab.GetFields
29 myHouseField = myHouseFTab.FindField("Price")
30
31 totalPrice = 0
32 houseCount = 0
33
34 for each i in theBitmap
35   homePrice = myHouseFTab.ReturnValue(myHouseField , i)
36   totalPrice = totalPrice + homePrice
37   'MsgBox.Info(homePrice.asString,myHdr) ' debug
38   houseCount = houseCount + 1
39 end
40
41 avPrice = totalPrice / houseCount
42
43 if (houseCount = 0) then
44   'MsgBox.Info("No Selection", myHdr)
45   exit
46 end
47
48 MsgBox.Info("Homes: " + houseCount.AsString + NL + "Average price: $" + avPrice.AsString, myHdr)
49
50 ' temp devel for theme on them selection
51
52 mySchoolTheme = myView.FindTheme("Geocd_schools.shp")
53 'mySchoolTheme.SetActive(True)
54 'mySchoolTheme.CanSelect
55 'mySchoolTheme.SelectByTheme(myHouseTheme, #FTAB_RELTYPE_ISWITHINDISTANCEOF, 0.5,
   #VTAB_SELTYPE_NEW)
56
57 mySchoolFTab = mySchoolTheme.GetFTab
58
59 mySchoolFieldList = mySchoolFTab.GetFields
60 mySchoolField = mySchoolFTab.FindField("Type")

```

```
61
62 elemcount = 0
63 seccount = 0
64 totalschools = 0
65
66 for each i in mySchoolFTab.GetSelection
67   tmptype = mySchoolFTab.ReturnValue(mySchoolField , i)
68   if (tmptype = "Elementary") then
69     elemcount = elemcount + 1
70   elseif (tmptype = "Secondary") then
71     seccount = seccount + 1
72   end
73   totalschools = totalschools + 1
74 end
75
76 MsgBox.Info("Secondary Schools : " + seccount.AsString + NL + "Elementary Schools: " + elemcount.AsString,myHdr) '
77   debug
78 mySchoolTheme.SetActive(False)
79
80 ' end
```

```

1 #!/public/bin/perl -w
2
3 #####
4 # Filename: formatHouseData.pl
5 # Version: 1.001
6 # Author: Tom Kralidis
7 # Date: 29/01/00
8 # Project: GEOHome v1.0
9 # Purpose: Extracts data from input house text files into tab-delimited
10 # text file, for import to GEOHome component.
11 # Language: Perl
12 # Modules: None
13 # Usage: formatHouseData.pl in desired input data directory
14 # Misc: Consult technical documentation for specifications / requirements
15 #
16 # Change log:
17 #
18 # Author Date Changes
19 # T. Kralidis 14-Jan-2000 Initial Implementation.
20 #
21 #####
22
23 # declare variables
24
25 $fileCount = 0;
26 $. = 0;
27
28 # open and write fields to output text file
29
30 open(CDT, ">maison.txt") || die "Yikes0: $!\n";
31 print CDT "mls_id,price,type,area,numBeds,numBaths,hotLink\n";
32
33 # open current directory and list house data to be processed
34
35 opendir(THISDIR, ".") || die "Yikes1: $!\n";
36 @houseFiles = sort grep(/^\d{6}\.txt$/, readdir(THISDIR));
37 closedir(THISDIR);
38
39 # loop through files, extracting data needed
40
41 foreach(@houseFiles)
42 {
43 open(FILE, "$_") or die "YikesFilePeruseLoop: $!\n";
44
45 # extract data
46
47 do { $mlsnum = <FILE> } until $. == 3 || eof;
48 do { $price = <FILE> } until $. == 4 || eof;
49 do { $type = <FILE> } until $. == 5 || eof;
50 do { $area = <FILE> } until $. == 6 || eof;
51 do { $beds = <FILE> } until $. == 7 || eof;
52 do { $baths = <FILE> } until $. == 8 || eof;
53
54 # remove null padding
55
56 $mlsnum = $1 if $mlsnum =~ /^#\s(\d+)/;
57 $price = $1 . $2 if $price =~ /^$(\d+)\,(\d{3})/;
58 $type = $1 if $type =~ /Image\s(.*)$/;
59 $area = $1 if $area =~ /Image\s(w+)/;
60 $beds = $1 if $beds =~ /(\d)/;
61 $baths = $1 if $baths =~ /(\d)/;

```

```
62
63 # print to output filehandle
64
65 $hotlink = "http://www.nrcan.gc.ca/~tkralidi/cgi-bin/findhouse.cgi?${mIsnum}";
66
67 print CDT "${mIsnum},${price},${type},${area},${beds},${baths},${hotlink}\n";
68
69 close(FILE);
70 $fileCount++;
71 }
72
73 close(CDT);
74
75 print "$fileCount files processed.\nDone\n";
76
77 exit(0);
```

```

1 #!/bin/perl -w
2
3 #####
4 # Filename: findhouse.cgi
5 # Version: 1.001
6 # Author: Tom Kralidis
7 # Date: 25/02/00
8 # Project: GEOHome v1.0
9 # Purpose: Displays house information from user entered query
10 # Language: Perl
11 # Modules: CGI.pm
12 # Usage: off hotlink tool within GEOHome extension
13 # Misc: Consult technical documentation for specifications / requirements
14 #
15 # Change log:
16 #
17 # Author Date Changes
18 # T. Kralidis 25-Feb-2000 Initial Implementation.
19 #
20 #####
21
22 use CGI;
23 use CGI::Carp qw(fatalsToBrowser);
24
25 # construct new CGI object, pass it the user hotlink selection
26
27 my $query = new CGI;
28
29 $house = $query->param('keywords');
30
31 # search for file and parse to get rid of garbage and setup for for page display
32
33 open(HOUSE, "/home/emr1/tkralidi/public_html/tkralidi/gis/project/homedata/$house.txt") or die "err0: $!\n";
34 while(<HOUSE>)
35 {
36 my $tmp = $_;
37 $tmp =~ s/[New list price]//gi;
38 $tmp =~ s/[Picture for .*]//gi;
39 $tmp =~ s/[Image\]\&nbsp\;\&nbsp\;/g;
40 $tmp .= "<br>";
41 push @stuff, $tmp
42 }
43 close(HOUSE);
44
45 $hdr = "Description of $house";
46
47 # print HTML page
48
49 print "Content-type:text/html\n\n";
50 print <<EndHTML;
51 <!DOCTYPE HTML PUBLIC "-//W3C//DTD HTML 4.0 Transitional//EN">
52 <html>
53 <head>
54 <title>
55 $hdr
56 </title>
57 <META HTTP-EQUIV="Content-Type" CONTENT="text/html; charset=windows-1252">
58 <META NAME="author" CONTENT="Tom Kralidis">
59 <META NAME="pos" CONTENT="Geo-Spatial Developer">
60 <META NAME="subject" CONTENT="GEOHome house description of house id $house">
61 <META NAME="keywords" CONTENT="GIS, web mapping, real estate">

```

```
62 <META NAME="date" CONTENT="March 2000">
63 <body>
64 <h1>
65 
66 <br>
67 $hdr
68 </h1>
69 <hr>
70 
71 <hr>
72 @stuff
73 <hr>
74 <a href="/~tkralidi/tkralidi/gis/project/">GEOHome Website</a>
75 </body>
76 </html>
77 EndHTML
78
79 exit(0);
```

```

1 <?xml version="1.0" encoding="UTF-8" standalone="yes"?>
2
3 <DOCUMENT>
4 <!-- Docu BEGIN -->
5 <!-- FGDC METADATA CONTENT STANDARD v1.0 -->
6 <METADATA>
7 GEOHome v1.0 Sample Dataset
8
9 <!-- Section 1 BEGIN-->
10 <IDENTIFICATION>
11
12 <CITATION>
13 <ORIGINATOR>Tom Kralidis</ORIGINATOR>
14 <PUBLICATIONDATE>11 April 2000</PUBLICATIONDATE>
15 <TITLE>GEOHome v1.0 system sample data format standard</TITLE>
16 <SERIES>GEOHome</SERIES>
17 <ISSUE>One</ISSUE>
18 <PUBLICATIONPLACE>Ottawa, Ontario, Canada</PUBLICATIONPLACE>
19 <PUBLISHER>Tom Kralidis / Kevin Riley</PUBLISHER>
20 </CITATION>
21
22 <DESCRIPTION>
23 <ABSTRACT>Sample data formatting standard to FGDC 1.0</ABSTRACT>
24 <PURPOSE>A sample of house data aligning to a metadata standard for use by Real Estate / Housing
25 organizations, defining a common framework for easier data sharing.</PURPOSE>
26 </DESCRIPTION>
27
28 <TIMEPERIOD>
29 <INFO>
30 <CALDATE>Range: 10 January - 11 April 2000</CALDATE>
31 <CURRENTNESS>Based on properties for sale within RMOC</CURRENTNESS>
32 </INFO>
33 </TIMEPERIOD>
34
35 <STATUS>
36 <PROGRESS>Completed for testing</PROGRESS>
37 <MAINTENANCE>None</MAINTENANCE>
38 </STATUS>
39
40 <SPATIALDOMAIN>-75.00 W 45.00 N, RMOC</SPATIALDOMAIN>
41 <KEYWORDS>RMOC house houses propriety for sale real estate home homes</KEYWORDS>
42 <ACCESSCONSTRAINTS>None</ACCESSCONSTRAINTS>
43 <USECONSTRAINTS>None</USECONSTRAINTS>
44
45 <!-- Section 1 END -->
46
47 </IDENTIFICATION>
48
49 <REFERENCE>
50
51 <!-- Section 2 BEGIN -->
52
53 <DATE>Last compiled / updated 20 February 2000</DATE>
54 <CONTACT>
55 <person>Kevin Riley
56 kriley1@hotmail.com</person>
57 <person>Tom Kralidis
58 Geo-Spatial Developer
59 Data Acquisition Division
60 Canada Centre for Remote Sensing
61 <a href="http://www.ccrs.nrcan.gc.ca">ccrs</a>

```


62 tom.kralidis@ccrs.nrcan.gc.ca</person>
63 </CONTACT>
64 <STANDARDNAME>GEOHome Content Standards for Digital Geospatial Metadata</STANDARDNAME>
65 <VER>v1.0 release with GEOHome system</VER>
66
67 <!-- Section 2 END -->
68
69 </REFERENCE>
70
71 </METADATA>
72
73 <!-- Docu END -->
74
75 </DOCUMENT>

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1 <?xml version='1.0'?>
2 <xsl:stylesheet
3   xmlns:xsl="http://www.w3.org/TR/WD-xsl"
4   xmlns="http://www.w3.org/TR/REC-html40"
5   result-ns="">
6
7 <HTML>
8 <HEAD>
9 <TITLE>GEOHome v1.0</TITLE>
10 </HEAD>
11 <BODY>
12 <xsl:process-children>
13 </BODY>
14 </HTML>
15
16 </xsl:template>
17 <xsl:template pattern = "INDENTIFICATION">
18 <UL>
19 <xsl:process-children>
20 </UL>
21 </xsl:template>
22
23 <xsl:template pattern = "REFERENCE">
24 <LI>
25 <xsl:process-children>
26 </LI>
27 </xsl:template>
28
29 <xsl:template pattern = "CONTACT">
30 <LI>
31 <xsl:process-children>
32 </LI>
33 </xsl:template>
34
35 <xsl:template pattern = "person">
36 <LI>
37 <xsl:process-children>
38 </LI>
39 </xsl:template>
40 </xsl:stylesheet>
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