Using & Creating ArcView Extensions for Data Gathering and Mapping Tools

City Planning and Development Department

Kansas City Missouri

Data Gathering & Manipulation

- Address Lookup
- Address Labels
- Excel Populator
- Location Information
- Meta Data Viewer (popup menu)
- Parcel Info
- Project Report

Mapping Tools

- Add Table to Layout
- GIS File Locator
- KCMOGIS Link
- Landmark Lookup
- Theme Outline Color

Address Lookup

Need: Locate addresses in KIVA database using a simple GUI

How it Works: Creates a query string from the text boxes
Sends the string to the Oracle DB
-or-
Sends the string to the centerline file
Zooms to the parcel -or- point (centerline)

Address Labels

Need: Produce labels for notifications

How it Works: Sends selected parcels to Oracle DB
Returns mailing addresses to a pre-made Access DB
User prints labels

Excel Populator

Need: Get parcel info to Excel for other manipulation

How it Works: User selects parcels
User chooses fields to export
ArcView opens Excel using DDE
Places the selected data in spreadsheet

Location Information

Need: Get information from a pinpoint location from 10 themes

How it Works: User places a graphic point on map
Script queries a table to get the proper field of theme
Opens each theme
point-on-theme selection
returns the info from the correct theme
A dialog displays all the information from that point

Meta Data Viewer (popup menu)

Need: Attach our newly created HTML meta data to themes in ArcView

How it Works: User selects theme they want to view meta data
User right clicks on view
Script queries a table to get page address
Script calls a dll to open default browser and sends the address

Parcel Info

Need: Get important data from Oracle DB in user-friendly fashion

How it Works: User clicks on parcel
Parcel ID is sent to Oracle
Useful data is returned to ArcView
Dialog displays data

Searchable by other unique ID's

Project Report

Need: Get information on an ArcView Project for unfamiliar users

How it Works: Script gets basic info from project
Displays info in a Script Editor Window

Add Table to Layout

Need: Expanded functionality to view tables in Layouts

How it Works: User chooses the table/fields to add

Other options include:

- Printing selected records
- Changing field names
- Sort Ascending

GIS File Locator

Need: Allow users access to all common files

How it Works: User selects files from listboxes
Script queries table for path name
Adds theme(s) selected

KCMOGIS Link

Need: Link Base Files to ArcView

How it Works: User selects type of file
Section file is loaded
User clicks on View and file is loaded based on Section

Landmark Lookup

Need: Link our landmarks file to ArcView using GUI

How it Works: Users select types of landmarks
Queries are interactively sent to an Access Table
Points are placed on View

Point theme can also be created
Based on distance from a users point

Theme Outline Color

Need: Change outline color to match Polygon foreground color

How it Works: Script gets each polygon foreground color
Changes outline color same

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