User

Application

Click on ***color*** menu/button

Open ESRI Imagery layer(users can change to any ESRI base map);
Read two-year-service configurations list;
Set edit fields (bldgColorP,bldgColorS)

Choose town & year randomly

NO

Set Year for search

Done

YES

Remove this town-year from configurations list

Is configurations list empty

MSG, END

NO

Open tiled MapService, FeatureService, Geocoder

Set editable field (BldgColorP,BldgColorS)

Show radio buttons with Background Color

End

Yes (town,year)

Click on One Color Button

Yes

Show radio buttons with Background Color

No

Change Town,Year

Yes

Exit

Yes

Selected

Randomly select a feature with a NULL value in bldgColorP

Click on Color Radio Button

YES

Save the selected color to field BldgColorP

Click on Skip Button

Yes

Skip current feature

Click On Multiple Color button

Yes

Show checkbox buttons instead of radio buttons

Check One/two colors and click on save

Yes

Save the selected colors to fields BldgColorP(1), BldgColorS(2)

Click on the map

Yes

Selected a feature

NO

YES

ask the user if the color is correct

Yes

Show filled Color

NO

Is BldgColorP empty

YES

NO

Set user_selected_feature as current feature, Draw and center map to it

Click on the base map gallery

YES

Show ESRI Base maps

Clicked on one of the base map

Yes

Show ESRI Base maps

Located a polygon with search

Select a year

Yes

Load geocoder for the selected year

Yes

Town,year,feature

Feature is filled with a value

No

Yes

Yes

Is the color correct

No

No

Load geocoder using selected year; load town-year services

Reset selected feature and draw it

UseType – BldgUse
Text - BldgText

- The application chooses a town-year randomly from a selection list that is read in from the configuration JSON file. The user will work on the features in the town-year, until the user chooses another town-year from a dropdown.

- If every feature has a value, the town-year will be removed from the selection list.

- When a user choose a town-year from dropdown
----- if every feature in that town-year has a value, the application shows a MSG telling the user all the features are filled with a value. (Alternatively, we may disable that item in dropdown)
----- reset map

- Geocoder is organized by year, so each geocoder has addresses for all the towns in one year. (see GeocodeLocator page for more details)

- can we disable mouse-click-zoom-in/out even on the map? So only allow a user to double-click, pan or zoom-in/out using the +/- button on the map

- when a user clicks on the map
----- if a feature is selected and the feature has a value, the application will ask the user if the filled value is correct
----------the application remains on where it should be if the user answers YES (correct)
----------the application set the selected feature as operational feature
----- if no feature is selected, the application will remain on where it should be

- Shows a count-down indicator for the town-year in a % number format
- BldgColorP will be filled with the selected color or one of selected two colors
- bldgColorS will be filled with the other selected color if two colors are chosen, otherwise it will be empty

The ESRI imagery base map will be loaded by default.
A user can change base map at anytime.

A user can search places with custom GeocodeServer

- Geocoder is organized by year, so each geocoder has addresses for all the towns in one year.
----- When a user search an address, the application will check the selected year in the year dropdown list.
----------If it is different from the town-year, the application will use the selected year to load geocoder,
----------otherwise the town-year will be used to load geocoder.
----- If an address is found by the goecoder, the application will check if it(polygon feature? Need to verify) has a value
---------- if it does have a value, ask the user if it is correct
---------- if the user answers YES (correct), the application remains on where it should be
----------if the user answers NO (not correct), the application uses the town-year from the geocoded feature to reset the map, and make the geocoded feature as operational feature
---------- if it does not have a value, make the geocoded feature as current operational feature
----- if an address is not found by the geocoder, the application will remain on where it should be.

Don’s group will create a markup for discussion