Help Document - Western University Mapping Application

Overview:

Welcome to our Western University Mapping Application! This is a desktop application designed by our team to help you navigate select buildings on the Western University campus. This Help document will explain all the features and functionalities of our application as well as provide detailed instructions on how to get the most out of this application.

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Getting Started:

When you run this program you will be brought to our starting page. Once you press the 'Start' button you will be able to navigate and modify the available building maps. The 'About' button provides information about the application, version, release date, and team members' contacts.

Features:

Navigating Maps:

Maps of Middlesex College (MC), Natural Science Centre (NSC), and Alumni Hall (AH) will be provided. You can select the map you are interested in by clicking on the tab with the name of the building at the top of the application. For large maps, you can use the scroll bar to navigate the map or use the zoom-in or zoom-out feature to better view the maps. Buildings have several floors that can be accessed using the drop-down menu at the bottom of each map to select available floors for each building.

Displaying Layers:

Each map has several layers for collections of common POIs (points of interest) or POIs that fall under the same category. By selecting or unselecting the 'Hide' button, you can hide or display certain layers.

Searching for and Interacting with POIs:

Using the search bar, you can search for specific POIs. Simply type in the name of the POI and names of matching POIs will appear. Once the search is initiated by clicking the search icon, the map containing the POI will be displayed and the POI will be highlighted on the map. In addition, for each map and floor, a list of all available POIs for the currently displayed map will be available in a sidebar. For more information on POIs, you can click on the POI and a description will pop up that lists the name of the POI, its category, the building and floor where it is found, and a brief description of the POI.

Creating and Editing Your Own POIs:

To create your own POI, tap on the user layer icon located at the bottom of the screen. You can then add a POI by tapping on the "Add POI" button. You will be prompted to enter a name, description, and location for your new POI. Once you have added your POI, it will appear on the map as a user POI. Clicking on the POI will provide the option to edit the information. In the user layer, a list of all user-created POIs will be available. Built-in POIs cannot be edited by users.

Managing Favourite POIs:

To manage your favourite POIs, tap on the favourites icon located at the bottom of the screen. Here, you can view all of your favourite POIs and remove any that you no longer want to keep. To add a new POI to your favourites list, simply click on the POI and select the heart icon.

Navigating and Exiting the Application:

To navigate to a previous page, you can use the back button located at the top of the screen. To exit the application, tap on the exit button located at the top of the screen. You will be given a warning if there is any unsaved work that you may lose.

Saving Your Data:

Any user-created POIs or favourite POIs that you create will be saved between sessions. This means that you can exit the application and return to it later without losing any of your data.

For Developers:

Editing Tool/Mode

For developers, we have a special mode that allows you to edit the metadata for the built-in points of interest (POIs) graphically. This will make it easy for you to produce the data you need without having to create it by hand. To access this functionality, you run the application with the command line "-edit".

Once in editing mode, you can add, edit, and remove points of interest by placing them on a map. You can also specify other metadata for the POI, such as its name, room number, description, and type/category so that it can be toggled on and off with the right layer.