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.

Table of Contents:

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 and 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 layer, you can hide or display certain POIs of the specified layer.

Searching for and Interacting with POIs:

Using the search bar, you can search for specific POIs. Simply type in the name of the POI or the room number and names or numbers of matching POIs will appear. Once the search is initiated by clicking the 'find POI' button, 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 on the side of the screen. For more information on POIs, you can click on the POI and a description will appear at the bottom that lists the name of the POI, the room number, and a brief description of the POI.

Creating and Editing Your Own POIs:

To create your own POI, you click where on the map you wish to create a POI. You can then enter a name, description, and location for your new POI. Once you have added your POI, it will appear when you select the 'User POIs' layer. Clicking on the 'Edit POI' button will provide the option to edit the POI information. Built-in POIs cannot be edited by users.

Managing Favourite POIs:

To manage your favourite POIs, select the 'Favourites' button to view all your favourited POIs. If you click on a POI in the list, you will be directed to the POI on the map. Here, you can 'unfavourite' the POI to remove it from the list by unselecting the favourite box. To add a new POI to your favourites list, simply click on the POI and select it as 'favourite'.

Navigating and Exiting the Application:

To navigate to developer mode, you can use the login feature at the top of the screen and enter the username and password. To log out select the 'logout' button. To exit the application, tap on the 'X' button located at the top right of the screen. You will be given a warning if there is any unsaved work that you may lose when switching modes or exiting the application.

Saving Your Data:

Any user-created POIs or favourited 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 enter a username and password into the login function at the bottom of the start page or at the top of the main page. To log out, simply select the 'log out button'.

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.