Mission Statement

CycleVan is an designed for people to use when planning a bike outing in Vancouver. We have compiled all the things around Vancouver that would be useful to a city-goer (and that have available information on Vancouver Open Data) into one easy to use application using ArcGIS Pro and Web AppBuilder (WAB).

This app is designed to promote a healthy outdoor lifestyle to it’s users while also providing them with all of the necessary information and direction to contribute to their local and municipal businesses (via the community markets information), decrease their environmental footprint (by providing information on the cities available ‘greener’ modes of transport such as cycling racks & paths and public transport), and to experience the extensive culture and history of Vancouver (by providing the locations and details of the vast number of art installations across the city).

Characteristics Statement

Using the pre-built widgets inside of WAB we were able to provide the end-user with just the right amount of control over the mapped data so that the user can both easily access the desired information and customize it to perfectly suit their needs. The user experience was a key focus in the development in that we didn’t want to overwhelm the user with a large number of options to keep the information extraction process simple, but we also wanted to provide the user with enough control so that they could tailor the visualisation of the points to suit their needs. It is for this reason that the app usage focuses on these three WAB widgets: Directions, Filter, and NearMe.

The Directions widget allows the user to create a multi-stop route that they can tailor to intersect with as many points as they would like to. The user could also edit the route manually to make use of the included bike path data that shows where bikes can easily traverse the city.

The Filter widget allows the user to filter each dataset by a number of parameters that we have tailored specifically to limit the number of ‘zero result’ filters but also allow them to whittle the data down to best suit their needs. For example, the user could filter farmers market by the time of year they operate, the days they run, and the times they open. These were the only filter parameters listed for this layer to ensure a quality search result every time.

The NearMe widget allows the user to search a distance around particular points and specify the layers they wish to view.