Project 2

M00861483(Thomas),
M00874096(Ben),
M00664455 (Ahmed)

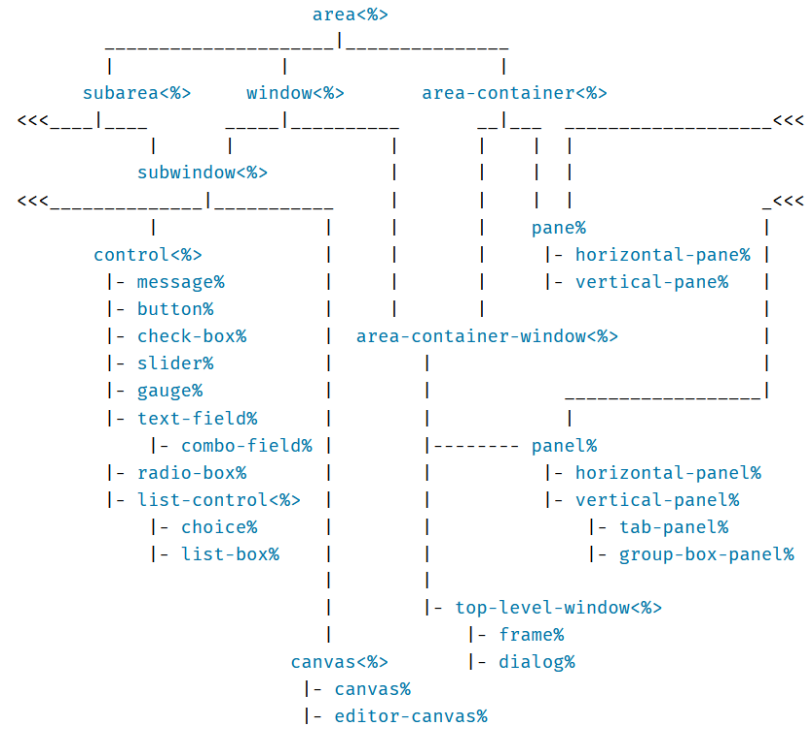
Summary

Our system, “Easy Access TFL London” is an application for your phone that allows users to input a current location and a target destination. The system will compute the most effective way of navigating the city to arrive at the target destination. The system determines what is the most “effective” way of travelling based on a series of inputs from the user that list requirements or desires such as wheelchair accessibility or that the user wants transport that offers a higher level of comfort. These filters will impact how the system computes what modes of transport to take such as fewer transfers, taking trains over buses or working around closures and flooding.

Here we are designing how the system will look like considering the potential users and the design requirements/key features established in the first project and some new ones. Refining the original design concept and making it more realised and practical, using the Racket Graphical Interface Tool to design a prototype based on the design,

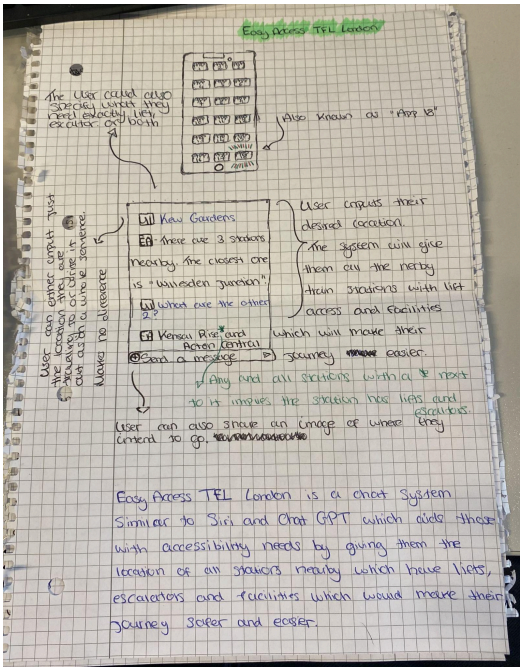
Racket Graphical interface tool(Racket GUI)

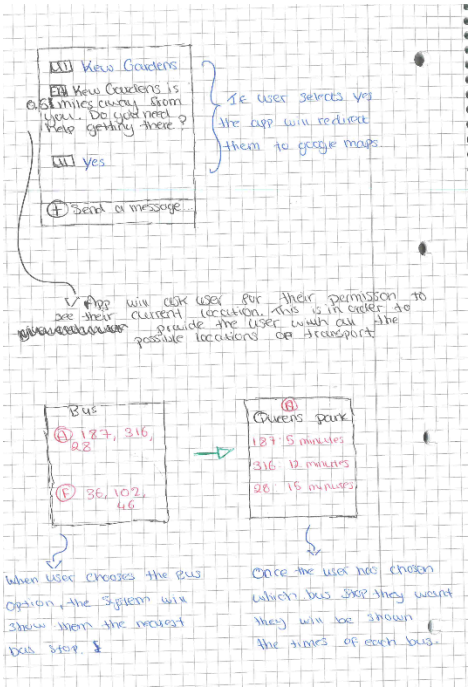
The Racket Graphical interface is an object oriented library, providing all the tools to create a GUI with the Racket language.

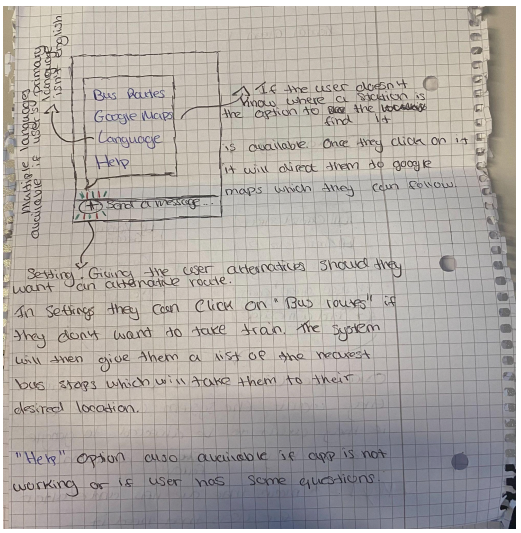


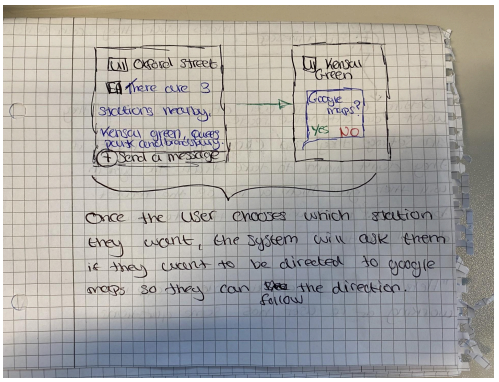
Design Requirements

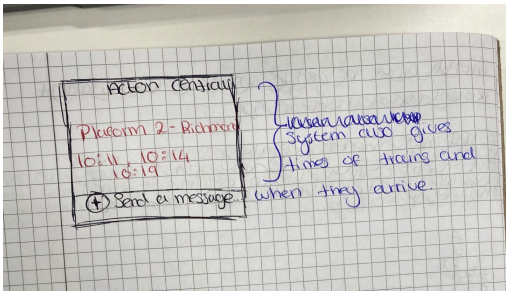
Initial design sketches





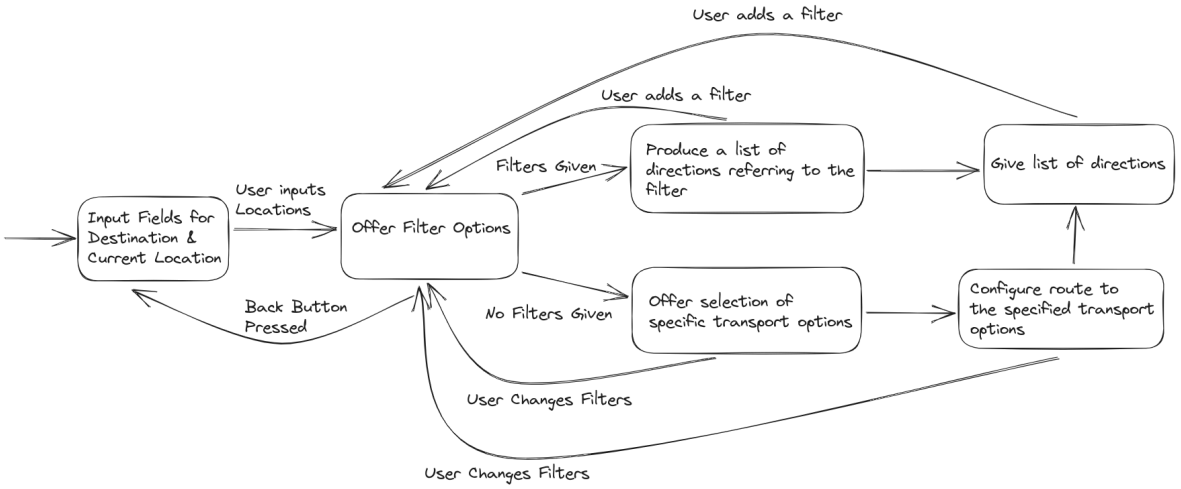






Design

User interface



Sobs

Sob	Team member	What was done
111 Working individually or as part of a group, take a simple design task through from initial description to a working prototype, discussing …		
112 Demonstrate a clear awareness of the importance of user interface design issues …		
150 Create and manage a project in a repository such as GitHub.		
206 Take an open design task, refine the problem to a manageable scope, develop a robust working prototype …		