**Progress report**

10 August 2022 Report period: 1 August – 12 August

Public Transportation Journey Planner Client: Jan Buys

Members: Erin Heath | Ben Brent | Zenan Shang (leader)

**Task Activities during the report period**

**Stage 1 Activities:**

* **Risk report:** The risk report is a document that was made indicating different problems that the project may run into. The aim of this was to identify the risks of creating this product, the severity of the different problems, how the problems can be handled if they were to occur and how to mitigate the chances of them occurring. (Zenan)
* **Roles document:** The aim of the roles document was to identify the role of each team member in the project to ensure that the work is shared equally. It also ensures that each member is in charge of a certain section within the project which they are responsible for and they must ensure that their section is completed to the specifications and timely. (Zenan, Ben, Erin)
* **Scope of project:** The scope of the project identifies all the important aspects of the project to indicate that all the specifications are understood and identify the inputs, outputs and responses of the system as well as the feasibility of the project and the projects’ resources and constraints. (Ben, Erin)

**Stage 2 Activities:**

* **Use Case descriptions:** The Use Case descriptions provide details on how the user will interact with the application and the responses the system will provide accordingly. It also includes incorrect inputs the user may supply and provides system responses that will combat the input errors. (Ben)
* **Analysis Class Model:** The Analysis Class diagram depicts the different entities that are involved in the project and how they interact with one another. This is to show the basic interaction with the user, the system and data and the attributes each entity contains. (Ben)
* **Interaction Diagram:** The sequence diagram provides a visual illustration of the main classes and how they interact with each other to provide the user with the information they are requesting. It includes function calls that may be used when the application is calculating the data and the information that is returned to the classes. (Erin)
* **Project plan:** The project plan aims to design a schedule for the project to ensure all necessary components of the project are completed in a timely fashion. It indicates the tasks that need to be done and when it should be done by, as well as the dependencies of different aspects of the project that need to be completed for another component to begin. (Zenan)
* **Preliminary Test plan:** The test plan is created, describing different test cases to be used to test that all requirements of the project are met and to ensure that the application runs as intended. (Zenan)
* **Project report:** The project report is written to inform the client and tutor of the progress being made on the project, areas that are still to be worked on, as well as the problems that have been encountered. The aim of this report is primarily to keep the client informed on what is happening and to ensure they are pleased with the progress of the project and to make alterations to the project. (Erin)

**Other tasks:**

* **PDF reading implementation:** Reading the PDF containing the train schedules is the first task needing to be completed to start coding the application. It has not yet been fully implemented and is currently being worked on.

**Planned Activities**

* **Project prototypes:** Project prototypes will be created during the following report period which will model the way in which the applications will run and outline the classes to be used. Multiple prototypes will be designed in order to decide on the best design for the application.
* **Prototype Demonstration:** Our team will present the prototypes to the client and the tutor for evaluation. The aim of this activity is to present the rough idea of the project to indicate how it will work to the client and tutor in order to receive feedback. It will indicate the classes to be implemented and the methods used to implement the application.
* **PDF reading implementation:** The implementation of reading the PDF of train schedules into a readable and usable format for the application will continue to be worked on during the next stage of the project.

**Problems**

* **PDF reading implementation:** The implementation of reading the PDF containing the train schedules has not yet been fully implemented as we have not yet found a way to read it in a format that the database can read and understand. We are continuing to work on figuring out how to implement it properly in order to move onto the next stage of coding the application which is to transfer the schedule from a notepad to the database and then access the data to be used in the application.

**Revised Schedule and Goals**