**Requirement specification**

Application for Deciding Best Transport Option

**Purpose:**

The purpose of the Transport application is to enable the user to decide on the best option for reaching his desired destination. The application will include a map which will decide on the best route for the journey. The user then will decide on the best transport option considering the time and the cost of the journey which will be produced by the application.

**Functionality:**

The basic functionality of the application will include:

* Detailed map from the starting point to the destination.
* Cost and time calculator for each journey.
  + Travel options will include:

Train

Plane

Coach/Bus

Personal Vehicle (Car/Motorcycle)

Bike, Walking

Taxi

Car rental

(Car sharing)

Option to save favourite journeys and quickly access them later.

Traffic

Train status

Roadworks

Congestion charge/ tolls

If the battery will last for the journey?

Weather at the destination

**Risks**

*Application*

The main risk associated with this project is the Data availability and accessibility.

The UI might not be user friendly and easy to use.

Due to high amount of testing required the completion date might get delayed.

*Project*

One of the risks associated with the project is the input of the individual’s members of the group.

**Success criteria**

Application will be fully functional from the technical and the UI side. It will contain the travel options mentioned in the functionality above. The user will be able to register, save and access his favourites and view previous journeys. An option to add users own vehicle will also be available. The application will then calculate the prices according to the vehicle chosen by the user.

The app should be able to accurately calculate the time and the route from the starting to the destination. Google maps will be used as a way to test this criteria. The difference between the results from our application and google maps should be minimal.

Design

Web & Android