Transport Options Estimator Project

Document modification history

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| **Version** | **Date** | **Author** | **Description** |
| 1.0 | 18/10/2015 | Mateusz Maly | First draft of the project requirements document. |
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**Project Description**

The project will deliver a fully functioning Android application and a website designed to allow the users to search for best travel options available in the United Kingdom.

**Project 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 Requirements**

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.

**Basic functionality**

1. Users can search for basic ways of transport like train or bus.
2. Map will be displayed alongside the results.
3. Users will be able to see different ways of getting from point A to point B
4. The cost of each journey will also be available

**Advanced Functionality**

1. Users will be able to register and save their details like car information or favourite journeys

**Stakeholders**

Mateusz Maly (Project Manager), Jan Gucwa (Chief Software Developer), Filip Borowiak (Quality Assurance), Karol Baran( Chief Tester), Dawid Janelli( Documentation)

**Project Deliverables**

* Fully functioning android application and a website
* User and technical guides
* Meeting minutes

**Requirement specification**

Application for Deciding Best Transport Option

**Purpose:**

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

Roles and Responsibilities

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| --- | --- | --- |
| **Role** | **Assigned to** | **Responsibilities** |
| Project Manager | Mateusz Maly | * Managing the Project in accordance with the project plan * Provide overall project guidance * Direct Team members towards project objectives * Handle project resolution |
| Chief Developer | Jan Gucwa | * Manage the underlying software architecture * Oversee the technical aspect of the project * Guide other group members in software development. |
| Chief QA | Filip Borowiak | * Draft Quality Assurance procedures * Implement QA standard |
| Chief Tester | Karol Baran | * Draft a testing plan for the application * Assign Tests to the team members * Escalate the issues to rest of the team |
| Documentation Writer | Dawid Janelli | * Create high quality documents that meets the standards set by the team. * Write easy to understand technical and user guides |

Feasibility

Competitors – How will our product be different to the competition.

One of the faults in the competitors system is that it displays too many results and it doesn’t let you choose the departure time before it displays the results.