Task 02: User Requirements and System Requirements

User Requirements:

Use shortest path: Find the shortest route when you query the current location and target location.

System Requirements

1. The navigation system should be searchable, quickly find location.
2. The map can zoom in and out.
3. Calculate multiple line schemes and select the shortest route display.
4. Global position system should be as accurate as possible.
5. Maps and road conditions should be updated in time.

Task 03：functional and non-functional requirements

1. Functional

ID: FR1

TITLE: Download mobile application

DESC: A user should be able to download the mobile application through an application store on the mobile phone. The application should be free to download.

RAT: In order for a user to download the mobile application.

DEP: None

ID: FR2

TITLE: Users login in and out smart skip application

DESC: A user should be able to login in his or her account and also can quickly log out through a button

RAT: In order for a user to have personalized experience

DEP: FR1

ID: FR3

TITLE: navigation system should be searchable, quickly find location

DESC: A user should be able to use global position system to find where he is and the best short path to the destination

RAT: In order for a user to use app with accuracy.

DEP: FR1

ID: FR4

TITLE: the map can be zoomed in and out

DESC: A user should be able to freely use the map by zooming in and out so that he can get the best navigation experience.

RAT: In order for a user to get the best navigation experience.

DEP: FR3

ID: FR5

TITLE: store history information

DESC: A user should be able to check the place he searched before.

RAT: In order for a user to quickly navigate history destination.

DEP: FR3

1. Non-functional

ID: NFR1

TITLE: compatibility

DESC: The app can be used in different type of mobile phones and system version.

RAT: In order for all user can use the application.

ID: NFR2

TITLE: backup

DESC: copying data in a file system or database system. In case of disaster or error operation, it is convenient and timely to restore the effective data and normal operation of the system

RAT: In order for all user can get back data in case of disaster.

ID: NFR3

TITLE: performance

DESC: The reaction time of the application shall be more and more quick.

RAT: In order to make application have excellent performance.