**Project Car Share**

**Software Requirements Specification**

**80594, Fall, 2018**

**Modification history:**

|  |  |  |  |
| --- | --- | --- | --- |
| Version | Date | Who | Comment |
| v1.0 | 10/4/18 | Gage Kettering | Starting Document |
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**SECTION 1: Introduction**

Software to be Produced:

The software to be produced will be a total of 11 windows that will all have their own features. The windows will have the capability of communicating with one another depending on the user who is signed in. When you are logged in you can either be a rider or a driver. Drivers will set their weekly schedule and riders will be able to search a destination, an origin, a day and a time to be picked up.

Definitions, Acronyms, and Abbreviations:

* None

**SECTION 2:** **Product Overview**

Assumptions:

* This project is a desktop app that will allow for easy carpooling. The riders will communicate with the drivers and vice versa. Program also has a view of the local area using OpenStreetMap for new users who are not familiar with the area.

**SECTION 3: Specific Requirements**

**< The following template must be used for each requirement; you should have about 15 requirements total: >**

|  |
| --- |
| **No:** 1 |
| **Statement:** The system shall allow user to create an account, credentials will be stored to a database |
| **No:** 2 |
| **Statement:** The system shall allow only one username per person |
| **No:** 3 |
| **Statement:** The system shall allow only users who have created an account to login, an account must be created to be able to login |
| **No:** 4 |
| **Statement:** The system shall allow users to edit their account status, this can include changing their password, phone number, email, and profile picture |
| **No:** 5 |
| **Statement:** The system shall have a messaging system between all users, users will see a notification the next time they sign in |
| **No:** 6 |
| **Statement:** The system shall allow drivers to view their ride history |
| **No:** 7 |
| **Statement:** The system shall allow riders to request a ride with a specific driver, via messaging |
| **No:** 8 |
| **Statement:** The system shall allow users to navigate to main screen from any window |
| **No:** 9 |
| **Statement:** The system shall allow users to add other users’ as friends |
| **No:** 10 |
| **Statement:** The system shall allow the user to delete the request after the request is accepted/declined |
| **No:** 11 |
| **Statement:** The system shall allow drivers to set a weekly schedule |
| **No:** 12 |
| **Statement:** The system shall allow riders to search for drivers based on their origin location, destination location, and time for a certain day |
| **No:** 13 |
| **Statement:** The system shall allow riders to cancel ride requests via messaging |
| **No:** 14 |
| **Statement:** The system shall use OpenStreetMap for view of the local area |
| **No:** 15 |
| **Statement:** The system shall allow users to zoom in/out on the maps |
|  |
| **No:** 16 |
| **Statement:** The system shall allow a user to upload/change his/her profile picture |
| **No:** 17 |
| **Statement:** The system shall save a weekly driver schedule to the database, also allow users to edit their weekly schedules |
| **No:** 18 |
| **Statement:** The system shall return to the login screen when a user clicks the logout button |
| **No:** 19 |
| **Statement:** The system shall notify a user if the application is not connected to the internet |
| **No:** 20 |
| **Statement:** The system shall allow notify users of new notifications by turning the notifications button green |

Template created by G. Walton ([GWalton@mail.ucf.edu](mailto:GWalton@mail.ucf.edu)) on Aug 30, 1999 and last updated Aug 15, 2000; updated by A. Koufakou, Aug 2014

This page last modified by Gage Kettering on Oct. 09, 2018