

Car Pool System - Group 9

1. Problem Description of your client

When Stevens students leave after class for home or vice versa the Stevens shuttle service is usually very busy and is available within Hoboken only and some students travel alone in their own vehicle which can occupy 4-5 people at a time which sometimes is expensive for some students and leaves huge carbon footprints behind.

2. Proposed Software Solution that will address the problem described in 1

With a Car Pool System any student of Stevens travelling from point A to point B in his/her car will update his route on the system and any other student who needs to travel on the same route at the same time can share the ride with the person having the car which will result in less effort for both the persons, be more efficient in terms of expense sharing and fuel.

For example, student 1 is travelling to Stevens from his home and he updates his location on the system and at the same time student 2 has to travel through the same route then he can request for a shared car pool ride. So, they can share the fuel expense which will be more feasible for both. This platform will only be available to students having a valid CWID.

3. Requirements Specification

There are a lot of software requirements specifications included in the functional requirements of the Car Pool System, which contains various processes, namely Registration, Stevens Student credential, Scheduling, Location sharing, Privacy.

1. Scheduling a ride

In order to schedule a ride, the student must have a valid CWID. Student can enter their destination to their home/university with their current live location being shared to schedule a ride.

2. Ride management

Student should be able to cancel or reschedule the ride for a future date. Should be able to see all the details about the previous rides.

3. Database of system:

Mandatory Student Information: Every Student has some necessary data like phone number, their first and last name, CWID, etc. ride scheduled by students (past and future records).

4. Privacy protection for riders

Student information with ride details will not be shared with any third-party vendors.

5. Location Sharing

User must enable GPS to share their current location to enable the ride.

4. Names of all team members and the role (software tester, front end developer etc) each member is expected to play on the team

Atishay Jain-Application Development

Meet Rajeshkumar Jain-Requirement Analysis

Vishwesh Malur Somashekar-Application Development

Amith Vishnu-Testing

Saurabh Agrawal-Product Design

5. Contact details of your client including Name, email, Department/unit they work with at Stevens.

Client: Varun Kumar

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