Team 17 Project Charter

BoilerRide

Team Members: Srishti Gupta, Nadeem Mahmood, Konstantin Pandl, Karan Teja, Natasha Tyagi, Ming-Da Liu Zhang

Problem Statement: Sharing a ride can help save money, can be environmently friendly and can be fun. Unfortunately, there is no common central platform for it at Purdue as there are in other parts of the world. However, there are still many students, including international, that don't have a car that would appreciate ride sharing over taxis, shuttle services, trains or buses. With such a large student base at Purdue, which ensures a selected and secure user group, we will develop a mobile application that satisfies these needs.

Project Objectives:

1. Create a mobile application that offers people a platform to request and provide rides
2. Use the location of the smartphone to suggest pickup and common dropoff locations or allow the user to input locations manually
3. Develop a server-based backend with a database to store information about the rides and requests, driver ratings and passenger ratings
4. Develop a user friendly frontend that makes it easy for users to search for rides and offer rides

Stakeholders:

Users: The expected users of this application will be any Purdue members using an Android device and looking to share a ride

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Project Manager: Konstantin Pandl

Product Owners: Srishti Gupta, Nadeem Mahmood, Konstantin Pandl, Karan Teja, Natasha Tyagi, Ming-Da Liu

Project Deliverables:

1. An Android mobile application, written in Java, capable of connecting drivers and passengers in a seamless matter
2. Backend that consists of a database that stores the users, ride offers and requests, an algorithm to connect these users, and a verification system to allow only Purdue members
3. Frontend system which displays offered and requested rides on an integrated Google maps