SE 216 – SOFTWARE PROJECT MANAGEMENT
Spring 2023-2024
Project Proposal

DrivECO

Problem Definition

The fast increase in transportation expenses for students studying at Izmir University of Economics coupled with the heavy traffic congestion along the routes of public transportation, poses various problems for students. These problems include being late to classes, spending long periods on public transportation, and the inability to have a flexible schedule due to the obligation to be at a certain location at a certain time.

Background Information

To address transportation challenges for Izmir University of Economics students, a dedicated app has been developed to enhance commuting. Current options like Eshot buses face overcrowding issues, causing discomfort and health concerns. Minibusses, though convenient, have limited routes and are slightly more expensive. Taxis and private vehicles are becoming costlier, dissuading students from choosing them.

The project's purpose is a specialized app promoting carpooling among the Izmır University of Economics.System provides login system with student id.It aims to reduce transportation difficulties, low-cost rides supported through sponsors and advertisements, and offer a comfortable commuting experience with collaboration of Izmir University of Economics. The app features are location services for easy coordination, an online payment system for convenience, an algorithm works with each student's timetable to find new drive matches for driver and passenger, a driver-passenger rating system to ensure a reliable and safe ride-sharing experience,This initiative seeks to improve the overall commuting situation for Izmir University of Economics students.

Objectives

- Reduction in transportation costs through school and other sponsors.
- Decrease the time spent on transportation.
- Increase social interaction and create opportunities for friendships.
- Reduce the catching potential illnesses by decreasing the use of public transportation.
- A much more comfortable and secure transportation option compared to public transportation

Approval Signatures and GitHub Accounts

https://github.com/Se216group5/Project

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