Opportunity and Significance

The Pool application serves as a ride sharing application that matches riders and drivers who make similar commutes to their destinations, to be more efficient in their day-to-day operations. This mobile application helps make recurring commutes, or infrequent trips affordable and convenient.

Technical Objectives

The scope of this project consists of the completion of the following objectives:

- UI transfer
- Database
- Implement Stripe payment method
- User profile data
- Device Token
- Rider/Driver matches
- Notifications
- Email filter
- Payout bug
- UI Alerts
- Payment Breakdown
- UI Alerts
- Back button implementation

Technical Approach, Accomplishments and Results

Technologies Used:
- Swift
- Node.js
- AWS (EC2, RDS)
- PostgreSQL
- Firebase (API)
- Stripe (API)

Project Accomplishments/Results:
- UI transfer
- Database - PostgreSQL
- Stripe Payment Method
- Payment Breakdown
- UI Alerts
- Back button implementation

Related Work and State of Practice

The current scope of this application is a continuation from a combination of the two past semesters. This application was initially developed in Winter 2018 semester which then continued on to Fall 2018 to add new functionalities and UI changes.

Next Steps for Development and Test

After completion of fixing all the bugs and other UI flaws, the application should be tested and submitted to the Apple App Store for public use. Once the App Store has reviewed and approved the application, a new feature for one-time ride would be implemented.

Commercialization Plan & Partners

Alexander Mattia is the client/owner for the Pool Application.

This application is mainly marketed, but not limited, to employees and students in Southeast Michigan working/attending mid to large size companies/universities (e.g. Wayne State, DTE, Quicken Loans, etc.)

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