TEAM OUTLINE

Portia Seater

Front end development of UI/UX design

Documentation

Charlie Quinn

Back End app development with Android Studios

Alex von Brandenfels

Back end server development using Flask

PROJECT CONCEPT

The purpose of our project is to help Safe Ride become more to both their clients and employees. We hope that implementing Safe Ride’s booking service in the form of an app, which has been our primary focus, will allow for it to reach a wider audience and update a seemingly outdated booking system. We hope that the written reservation format will take any guesswork out of scheduling and while still maintaining the low rate of abandoned appointments. Our aim is to have basic error checking in place, which could be expanded in the future for a more complete service.

* Server
  + A Flask web server to receive requests from the clients and store them in the database
  + The database will be SQLite unless Michal decides to use Heroku as a deployment platform
* Client:
  + Rider Side
    - Form with options for:
      * Name
      * Student ID #
      * Phone #
      * Current and Destination Address
    - Button for submission, which confirms when it’s received successfully
    - Save profile button if none saved, otherwise edit profile button
  + Driver Side
    - Queue of requested pick-ups
    - Ability to mark as done, i.e. remove from queue

RISKS AND MITIGATION

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| RISK | MITIGATIONS |
| The learning curve of outside resources is steeper than expected | Since the main resources we’re using, i.e. Android Studio and Flask, are something at least one person on the team has experience with, we will seek out other members for help early on and find reliable online resources. |
| Misunderstanding Safe Rides requirements and wishes | We will have clear goals in place that we have decided are discussed and decided are reasonable requirements for this length of product. We will also refer to our notes from the Safe Ride client meeting often to ensure we’re on track. |
| Difficulty establishing working connection between clients and server | We plan on tackling this aspect of the project early on so we’re able to always be working with a MVP. |
| Not meeting the deadline due to unforeseen issues | We will be minimizing this risk by always having some semblance of a MVP. This will keep us secure in the fact that even though we may not achieve all of the functionalities we had originally planned on, we will at least have a working deliverable by the deadline. |

MILESTONES

* Week 1 & 2:
  + Building rough framework of web + app
  + Set up initial Flask server
* Week 3:
  + Have Android app able to send reservation requests successfully
  + Validate addresses and other user input
* Week 4:
  + Provide drivers with a Google Maps generated time estimate for each reservation request
  + Fine tune UI