

Vision Statement

Project Title: Dispatchr

Team Name: Team Savage

Members:

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Capstone Instructors:

- Professor Chandra Krintz
- TA Ankita Singh

Problem Description

In today's fast-paced world, it can be time consuming and inconvenient to leave home and shop for items. It's evident that this is especially true for food, but nobody has come up with a solution for all items, whether it's groceries, toiletries, school supplies, or anything else that you can buy at a local business. Most users of this type of service are busy, therefore they would like to save their time spent on miscellaneous activities, such as shopping, allowing them to focus on their other priorities. As of now, alternative options consist of food delivery services from restaurants such as UberEATS, Postmates, and DoorDash. AmazonFresh and Instacart are online services that deliver groceries, but limited in scope. In addition, all of the above platforms are mostly only available in large metropolitan areas.

Project Outcome

The ultimate goal of Dispatchr is to simplify the lives of our users. By the end of the six months of development time, the core functionality we expect to deliver is the ability for users to have items from local businesses delivered to their door, saving them time and providing convenience. The application will have two sides: consumer and dispatcher. The dispatcher is a local contractor, such as a college student, who sees incoming

requests from consumers, and based on their availability, goes to pick up the request items for the user. Upon delivery of the item, the consumer can leave a feedback rating, a review, and tip for the dispatcher.

Project Milestones:

The milestones within our project include:

- Get familiar with Ruby on Rails and React Native by completing tutorials
- Set up formal processes for managing versioning and testing
- Integrate a continuous integration framework, such as Travis CI
- Build the core API that will serve as the backend for the mobile, and hopefully web, application
- Complete the mobile application that allow users to select items for delivery
- Learn and include core software engineering principles in our application
- Deliver a beta by the end of the first quarter in December

Platform and Technologies:

Tentatively, we will be using Ruby on Rails, PostgreSQL, and Redis for our backend infrastructure. We plan on using React Native for our mobile view. For versioning and issue tracking, we will use Github. To manage our user stories, sprints, backlog, and epics, we will be using Pivotal Tracker. Our main platforms for communication will be through Slack, email, and Google groups.

Process Model:

Our group will be following the Agile development process model. We will work in two week long sprints, with each sprint adding key functionality to our release build. Every day we will have stand-up scrum meetings where each member clearly communicates to the rest of the team what they are working on, and what problems they may be facing. Once a week our team will meet up with our mentors at Appfolio to receive guidance and feedback.