Loyola Marymount University
Department of Computer Science

School Script

Ryan Ramsdell

October 18, 2023

Contents

Introduction

If you would like to include a project introduction, include it here! If not, feel free to delete this chapter and text (Note: you will need to adjust the following chapter labels)

Project Pitch

Problem Statement

Main issue: It's very difficult to transfer prescriptions between a pharmacy close to your college and one near your home when you go home for breaks

Side issues: Mental, covid, and sexual health services are often taboo and difficult to find on college campuses

Proposed Solution

Main solution: Ship prescriptions to college, all in one box, and ship home when summer starts. Usable through a website and an app. Will use TruePill as a private label pharmacy and fulfillment provider.

Side solution: Offer telehealth for mental health for students, included in their tuition, sell test kits in student stores and other places on campus

Target Audience

College Students

Project Scope

End of semester: Website and/or app that calls a stubbed API allowing users to manage fake prescriptions

Stretch goal: Interact with TruePill API and actually fill prescriptions

Project Timeline

Project timeline here!

3.1 Initial Planned Timeline

Sep	Sep	Oct	Oct	Oct	Oct	Nov	Nov	Nov	Nov
Wed	**Wed**	**Wed**	**Wed**	**Wed**	**Wed**	**Wed**	**Wed**	**Wed**	**Wed**
9/20	9/27	10/4	10/11	10/18	10/25	11/1	11/8	11/15	11/22
Create Backend Structure									
Create Models									
Create Relations									
	Create API Models								
		Create Frontend Structure							
			Stub API For TruePill						
							Simple UI		

3.2 Final project schedule status

I am on schedule, however I have decided to do a standard, server rendered UI, rather than a GraphQL API and a seperate React frontend.

Testing

I test the project by simply using it in the intended manner, with fake accounts.

Project Installation Guide

Elixir and Docker must be installed. Docker can be installed from their website. For elixir, I like to use the *asdf* version manager. Once installed (I used *homebrew*), run:

```
asdf install elixir 1.15.6
asdf install erlang 26.1.2
asdf global elixir 1.15.6
asdf global erlang 26.1.2
```

To start the database and web server, simply open two terminal tabs. In one, enter `docker compose up`. In the other, run `iex -S mix phx.server` to start the development web server. Visit `localhost:4000` in your web browser.

Passing the Baton

This is a project that I intend to continue with on my own in the future, so there is not much to do in the way of passing the baton to someone else, however, there are better practices I could be using that would make this project easier to work on as a team, such as better documentation and adding unit tests.