

Requirement Analysis: Core Application

InboundRX Capstone Team

Version 1.0

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1. Introduction

a. Purpose

Paulsen's Pharmacy is in a need of an iOS app that their customers can use. To do that the core applications has to be detailed out which will be use as a reference to the app's system. The core applications has been narrowed down to the Home, History, Settings, and About view of the app.

2. Proposed System

a. Overview

This section will detail the core functions of the application. These details will primarily be described through the state, class, and sequence diagrams.

b. Core Application Summary

Core Application:

The core application the following views.

- Home
- History
- Settings
- About

The core application will consist of a home screen, a settings screen, a history screen, and an "about this pharmacy" screen.

This application will run on any mobile phone that has iOS installed on it. The screens should resize according to the device screen they are run on.

The entire application will use Paulsen's logo and color scheme.

The Home View

Upon opening the application, the app will display the home view. There will be a button in the top right corner which when selected will display a pull-out menu that gives the user access to other views within the app.

The History View

When the "History" button is selected in the pull-out menu, the application will load the history view. This view will consist of a vertical timeline which displays noteworthy dates about Paulsen's history. Newest dates will be at the top, oldest dates will be at the bottom.

Each historical event displays a name and a date. The user can click on a historical event to expand it. An expanded historical event will display a short paragraph about the event.

The Settings View

When the “Settings” button is selected from the pull-out menu, the app will display the settings view. This will consist of a table view of settings that the user can customize. These settings are:

- A “sign in” button if the user is not signed in, a “sign out” button if the user is signed in.
- Change font size
- Turn notifications off
- Edit account information

The About View

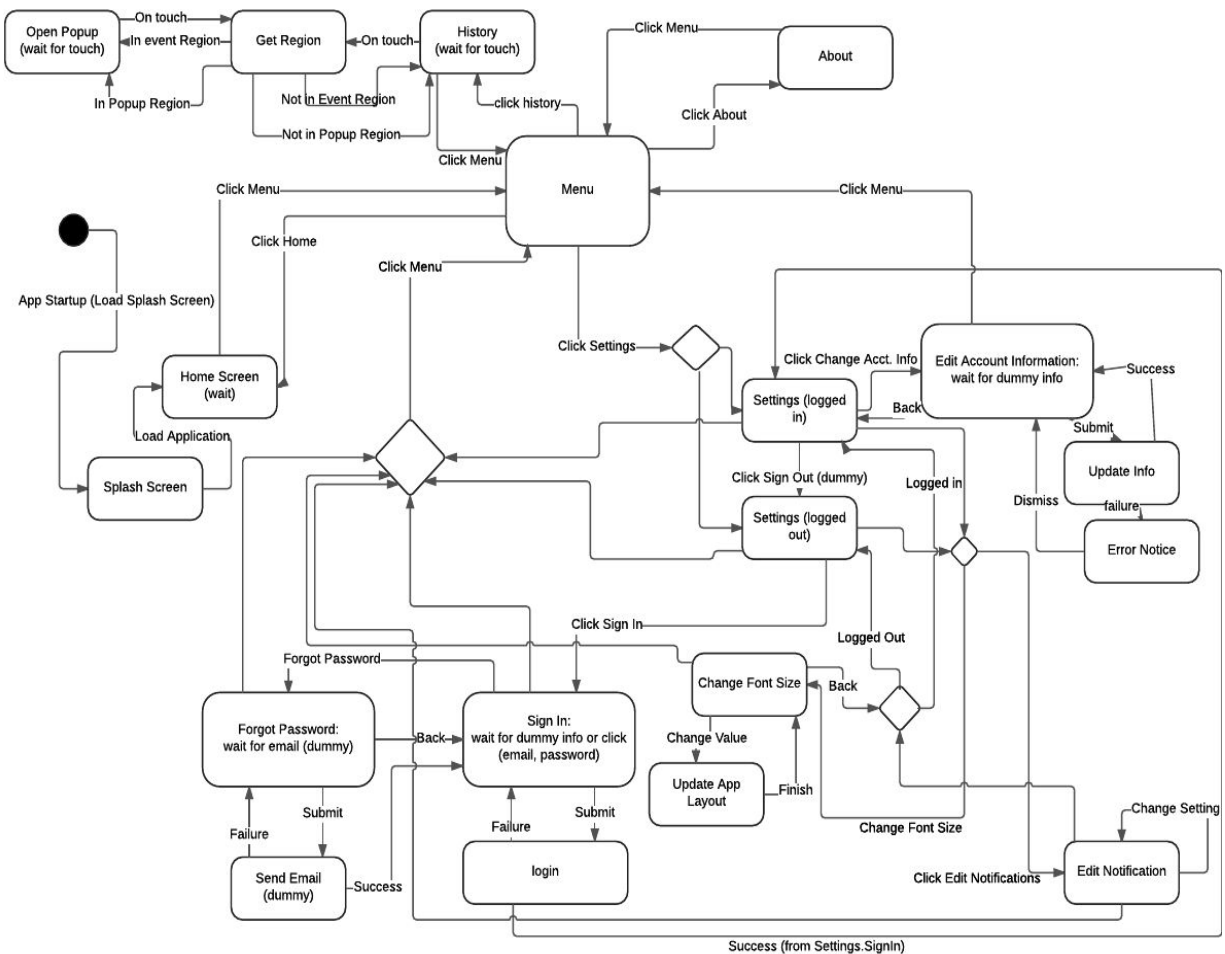
When the “About” button is selected from the pull-out menu, the app will display the about view. This will display some information about Paulsen’s, including the address, their phone number, and their hours of operation.

c. State Diagram

State diagram describes the behavior of an object over a course of time in a system. In this state diagram, each state has their own transformation depending on the event from the user.

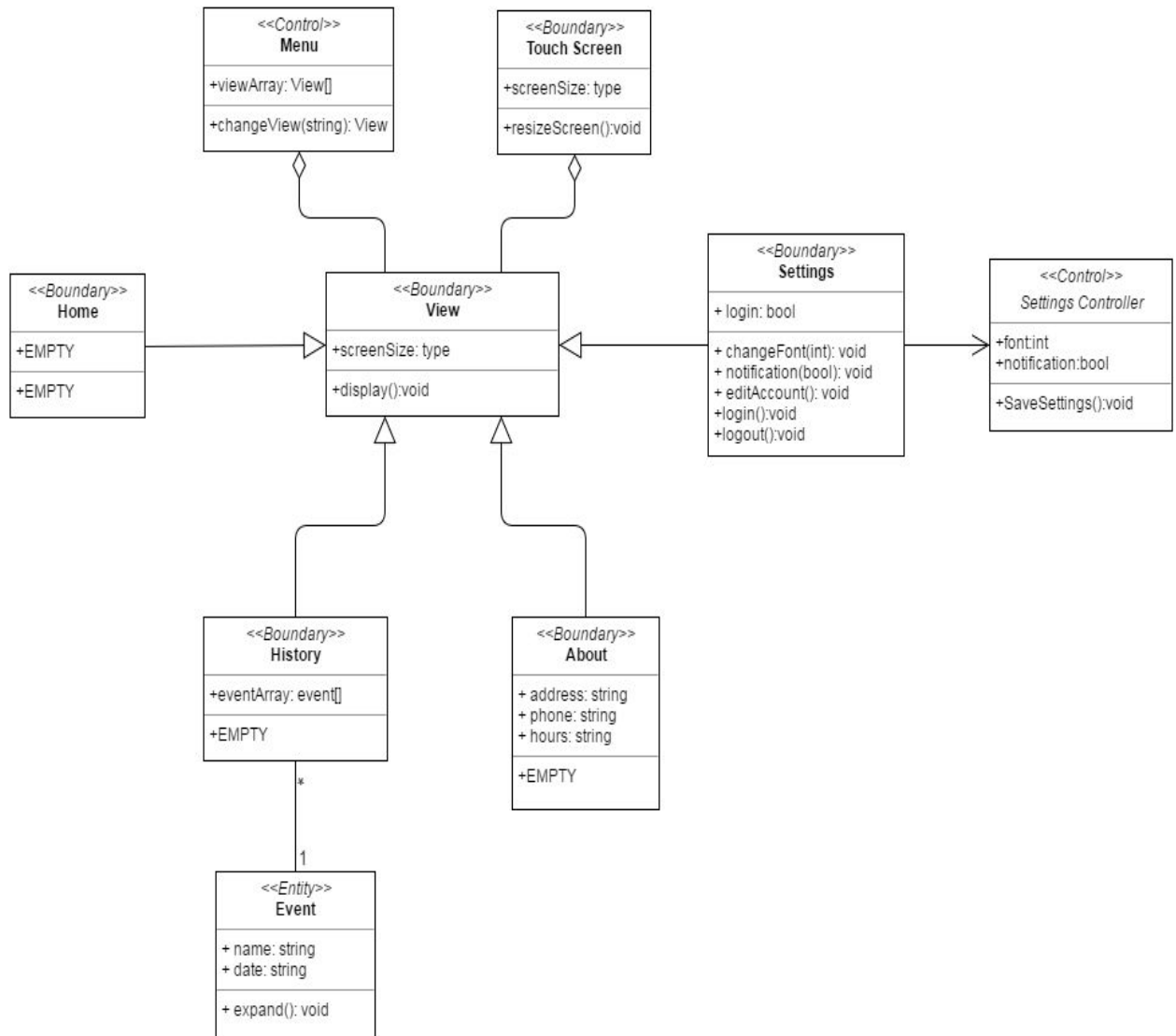
CORE APPLICATION STATE DIAGRAM

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d. Class Diagram

The class diagram is a visual representation of the structure of the system. Here it is the interface of the app where the user can go to different views by using the Menu.



e. Sequence Diagram

Sequence diagram are essentially interaction diagrams that complements the class diagram. Here, it can see be seen that a user is opening the app and is exploring the core views. The diagram is showing how the system reacts to the user.

INBOUNDRX SEQUENCE CHART

