

Design Document for PillPOPPER

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Status: Initial Mockup

Concept Summary

The app displays a simple, easy to read list of the daily pills/prescriptions recommended for a patient as well as a quick message feature for the patient to communicate with their doctor. Each day lists the different prescriptions a patient has been given by their doctor with a quick description of how and when to take it.

Audience/Customer

- Doctors/Healthcare Provider assisting patients with planning everyday medical treatment
- Patients who are on recurring prescriptions
- A patient that is health-conscious

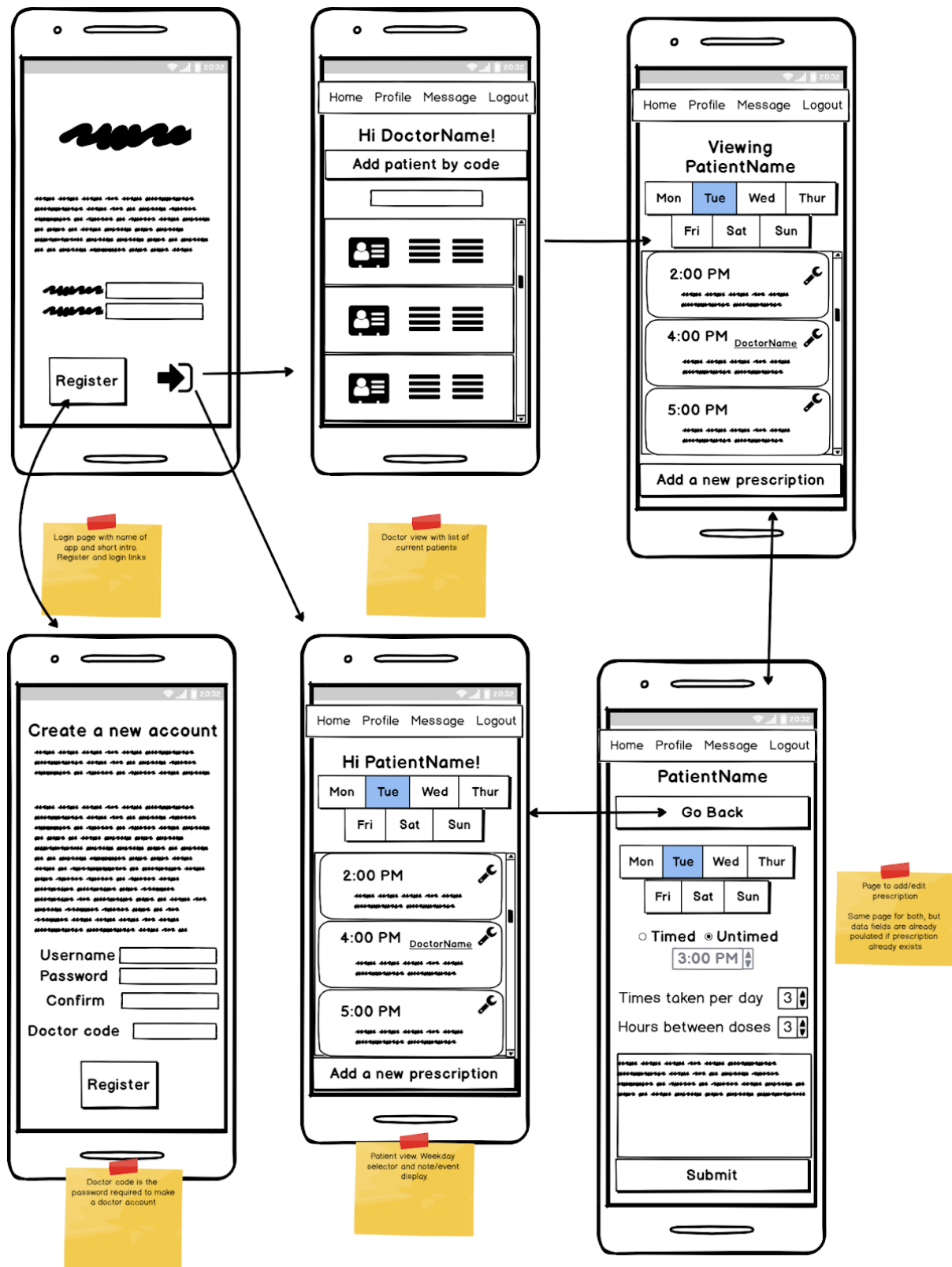
Background

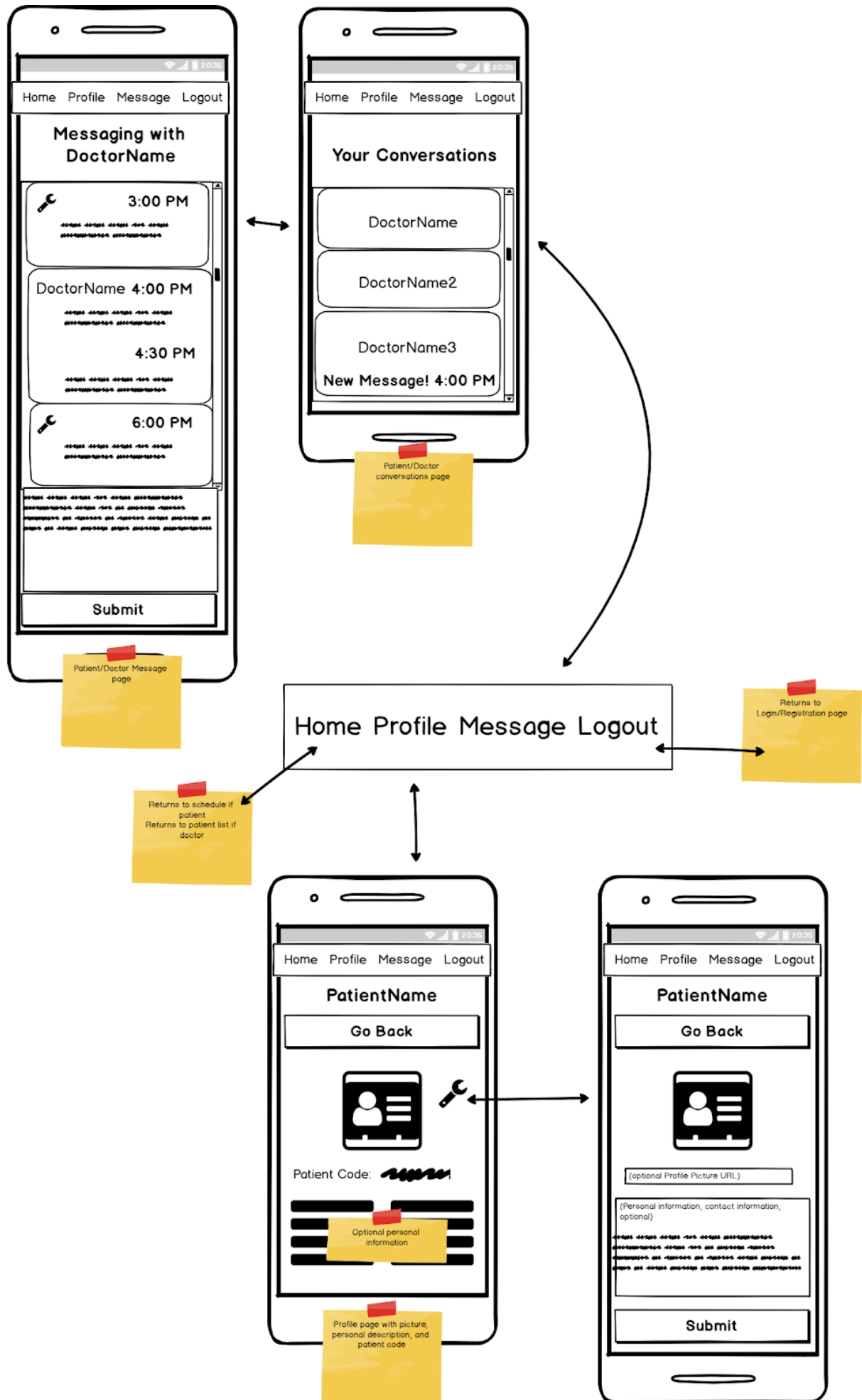
- A basic understanding use of calendars and schedule reminders
- Minimal tech literacy

Application Cost and Projected success

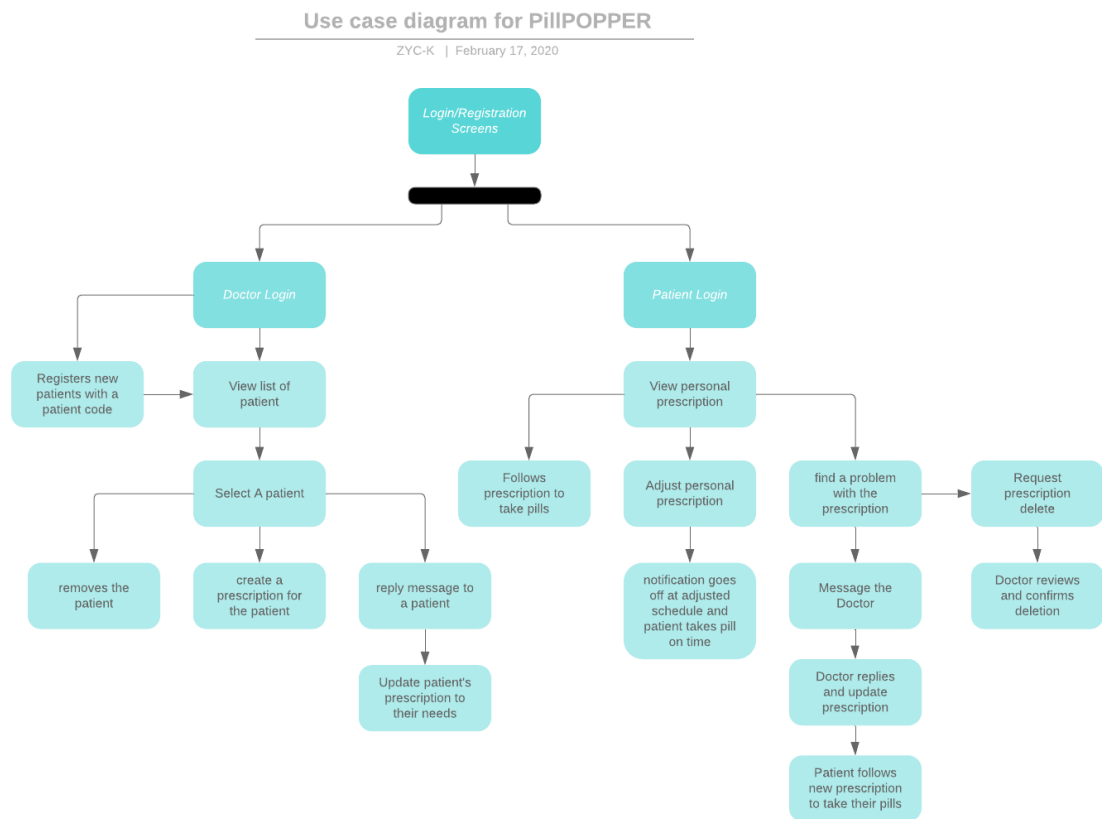
- No direct costs to users (Doctor or Patients)
- Free to users, banner ads with payment to remove ads

Interface Mockups

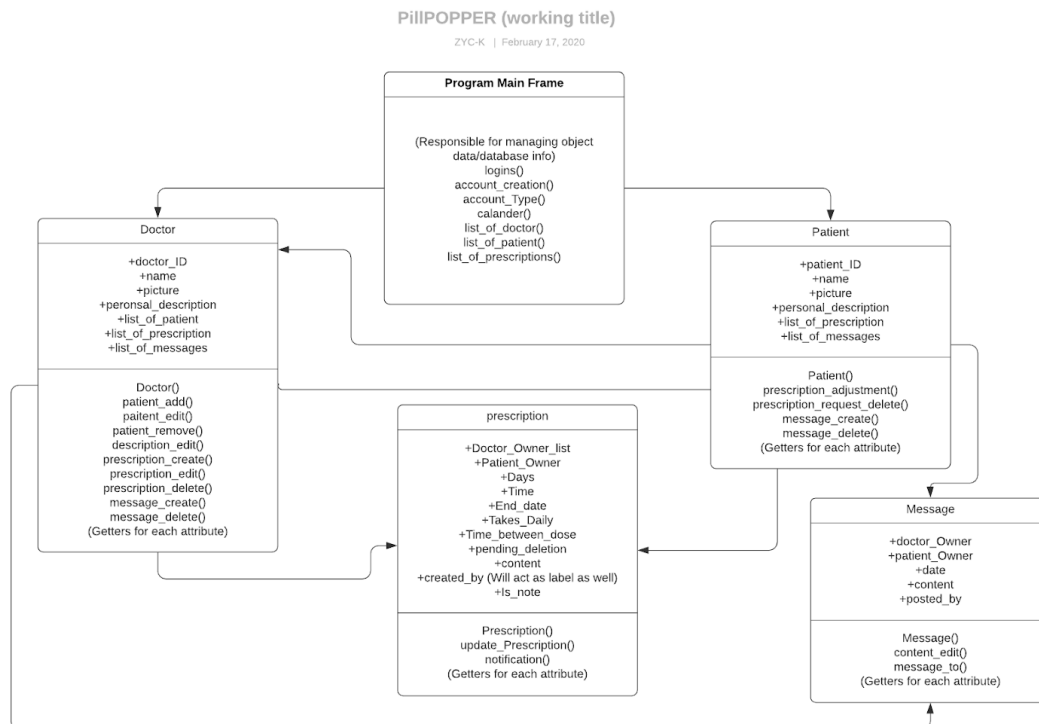




Design - Use Case Diagram(s)



Design - Detailed Design



Related Work

- Similar to any calendar App or Schedule planners that helps for personal daily routine organization

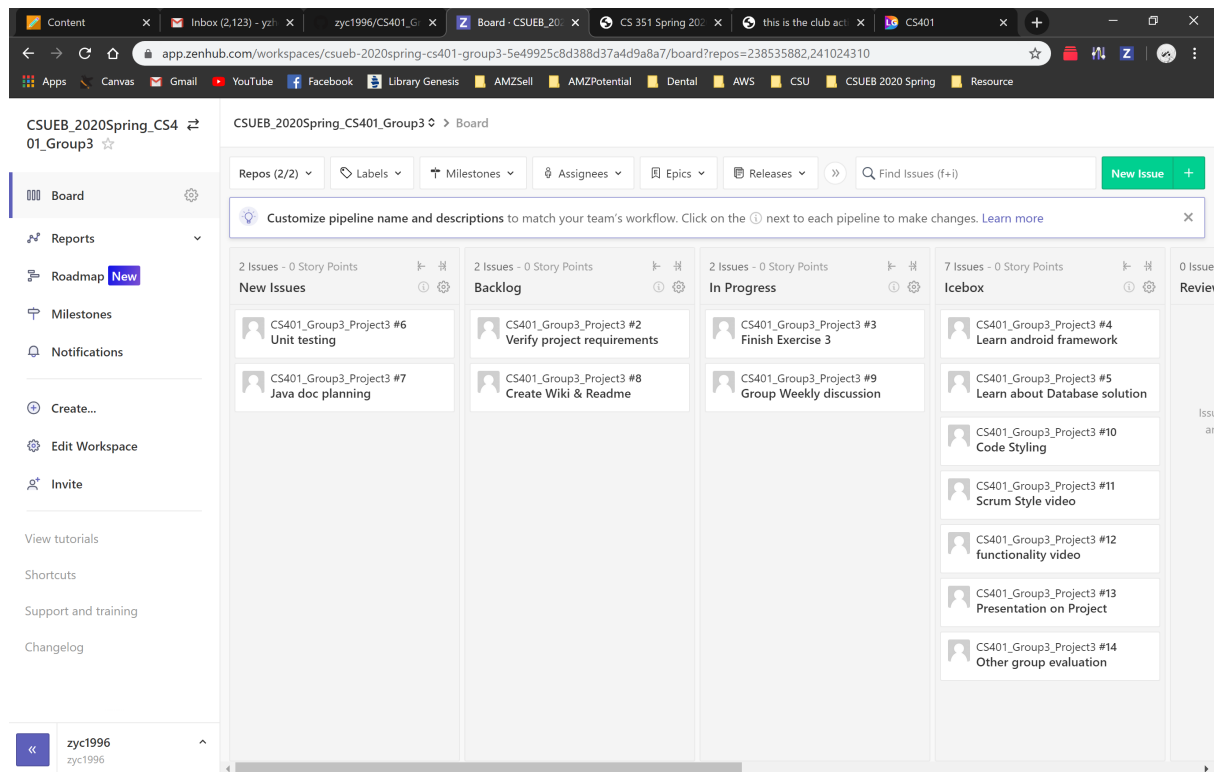
Frameworks/Services/Cloud/Backends

- Discuss any frameworks or services that may be used
- Discuss any cloud or backend services needed
- Google Firebase

Testing

- Standard unit testing for working status of each individual object type
- Cloud database sync testing for individual objects
- Object to object interaction test (e.g. Doctors provide the right prescription to the right patient)
- Android API feature testing (camera, notifications, etc)

Schedule



Dependencies

- list any necessary dependencies for this work to be completed. (i.e. collection of data, etc).
- Creation of user accounts (Patient or Doctor)
- Population of prescription data (what pills to take, how many times each day)
- Access code for Doctor accounts