



# Pillbox

System Requirements Specifications

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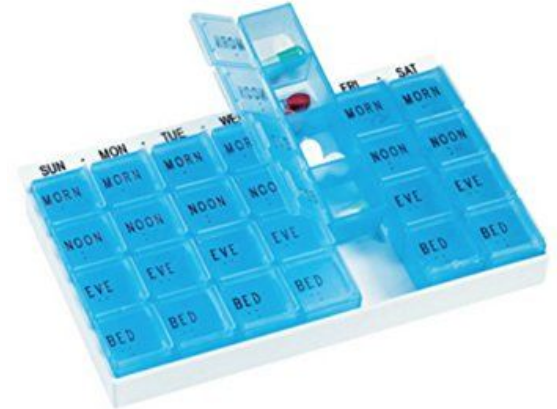


# Introduction

- A management tool for medications
- Customizable chart allows user to view daily or weekly medications

# Problem Definition

- Elderly patients need a better way to track their medication regimen and adherence
- It is important to keep the interface user-friendly





# Functional Requirements

- Add a medication to the virtual pillbox
- Take a picture of a label/pill and associate it with a medication
- Add and edit a schedule for each medication in their pillbox
- Indicate that a medication has been taken
- Log side-effects associated with each medication
- View a chart that shows their adherence to their medication schedule
- Switch between a daily and weekly view of their medication schedule
- Notify the user when to take their medication



# Non-Functional Requirements

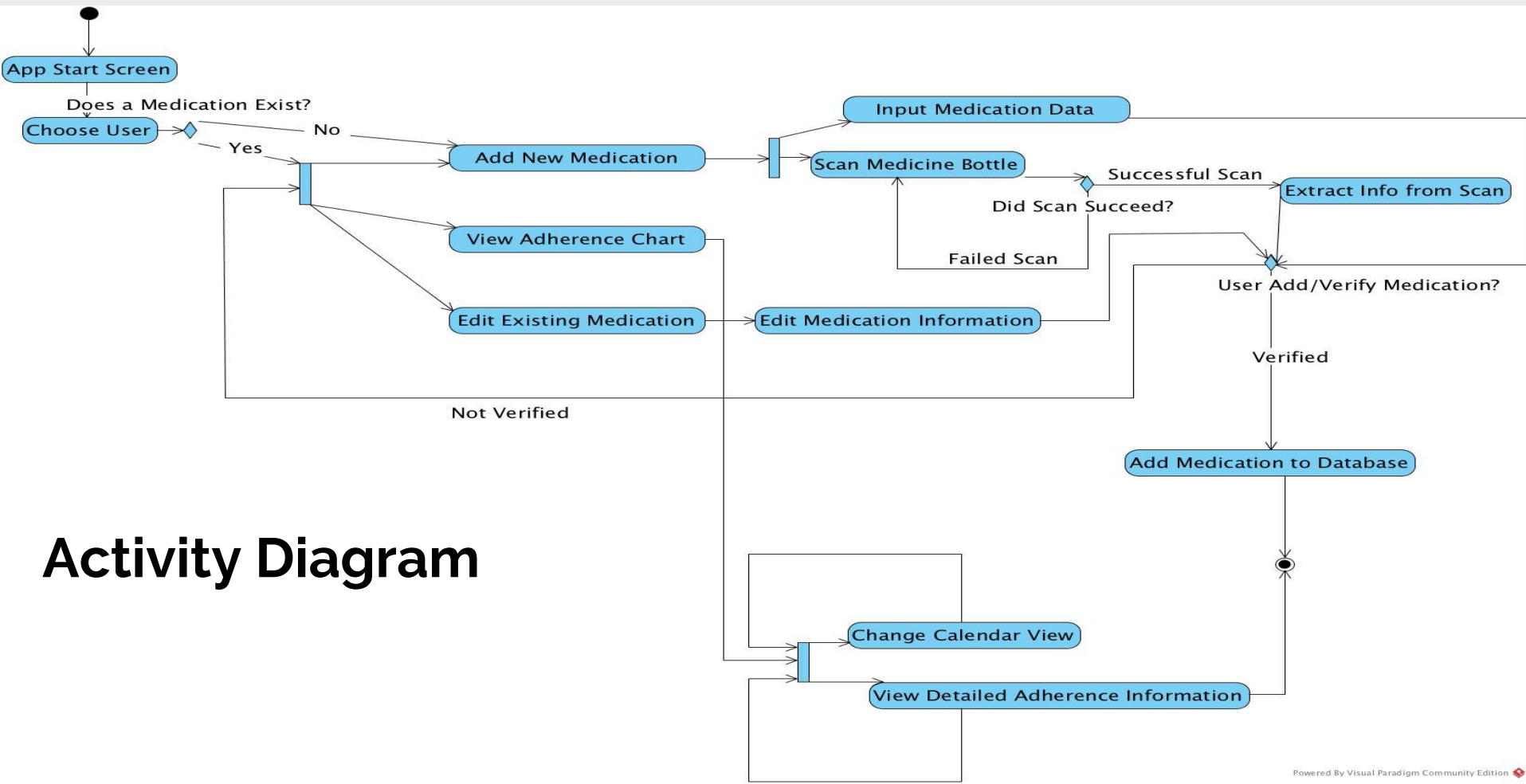
- The system must be able to store the following information for each medication:
  - Picture of the pill
  - Consumption schedule
  - Description of the medication
  - Name of the medication
  - Side-effects of the medication
- Access to the user's medical information must be accessible from the lock screen
- Store a log of the user's adherence to their medication schedule
- ADA Compliant user-interface



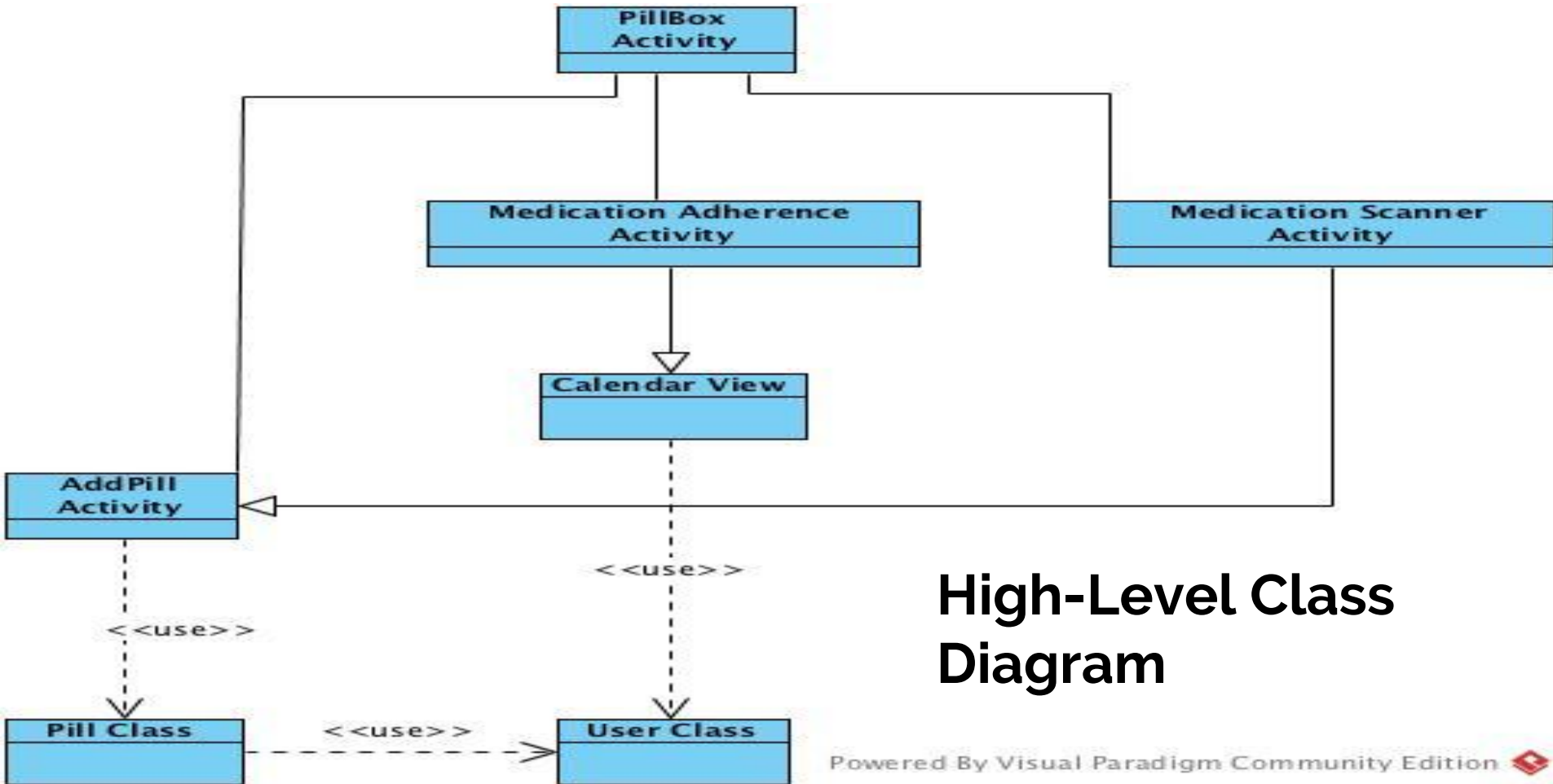
# System Architecture

The system will be composed of four main activities.

1. The home page will show the user's medication schedule. This page can switch between a daily view and a weekly view
2. The add/edit medication page will be used to add or edit formation for a selected medication.
3. The settings page will be used to edit account information and preferences
4. The medication view will provide a summary for the selected medication.

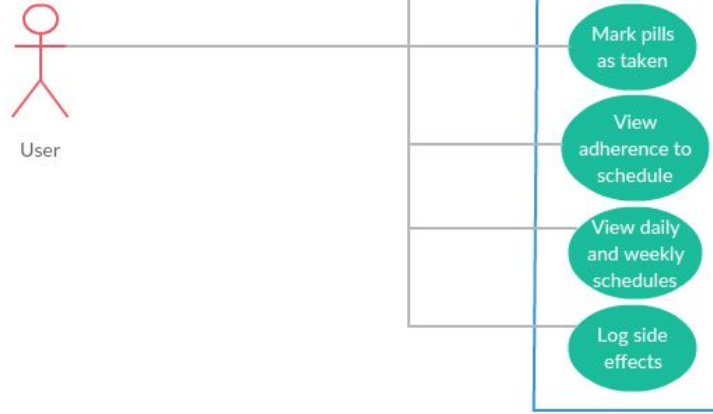


# Activity Diagram

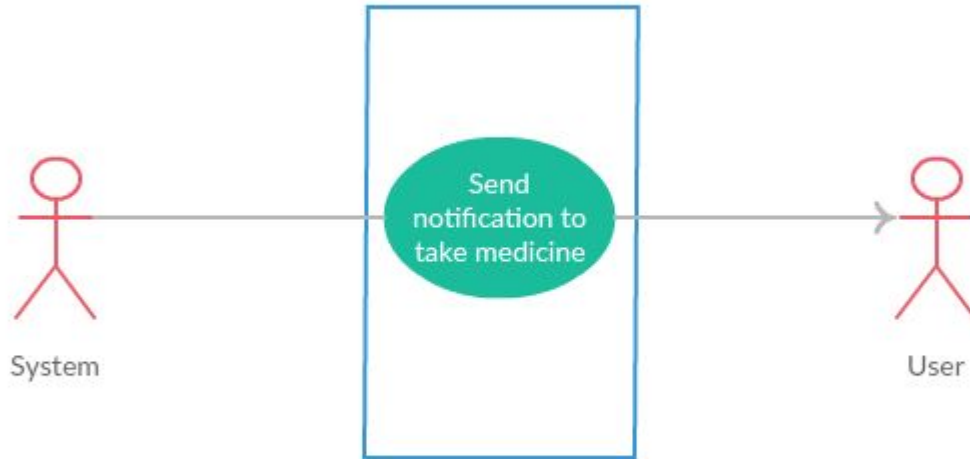




# Use Case Diagrams



# Use Case Diagrams





# Risks

- Legal issues involving notifications not being sent
- Our target demographic may have difficulties using a smartphone app