Product Name: Pil Pal

Team Name: Pill Pal Team

Date: 6/7/24

Release Summary

Key User Stories & Acceptance Criteria:
Give a list of key user stories with their acceptance
criteria that can serve as a guide for an acceptance test.

- Add Meds: "As someone who takes prescriptions/medications, I would like to add my current medications to the app."
  - Acceptance Criteria:
    - User can add the medication name, dosage information (amount, frequency, etc.), and any additional information to the app
    - When a medication is added, it will show up in the user's "Current Medications" list
    - User can view all the information they added about the medication
- Edit/Delete Meds: "As someone who takes prescriptions/medications, I would like to edit or delete my current medications on the app."
  - Acceptance Criteria:
    - User can individually delete medications from their list
    - When a user tries to delete a medication, there should be an "are you sure" confirmation
    - User can individually edit medications from their list
    - The edit screen should auto-fill the fields with the medication information, then allow the user to edit any of them
    - Reminders must be adjusted accordingly (added, changed, deleted) if the user edits them
- Take Med Reminders: "As someone who takes prescriptions/medications, I want to get notification reminders about my prescriptions so that I don't forget to take them."
  - Acceptance Criteria:
    - User can set the times they want to be reminded for daily medications or the time and day of the week for weekly medications
    - User should receive a notification on their phone (if enabled) at the time(s) they set
    - Notifications should specify what med and how much to take
    - User can interact with the reminder to confirm they took the med
    - The confirmation should include a "remind me later," which will send the notification again in 15 mins
- Refill Reminders: "As someone who takes prescriptions/medications, I want to get notification reminders to refill my prescriptions so that I don't need to keep track of them myself."
  - Acceptance Criteria:
    - User can set when they want to receive a reminder to refill their medication
    - when the user reaches a certain number of pills remaining, send a reminder to refill

- ■ The reminder can be interacted with, allowing the user to confirm whether they refilled
- ■ The user will continue to receive the reminder until they confirm it's been refilled
- Log: "As someone who takes prescriptions/medications, I want to view a log of when I took my prescriptions so that I can share this information with doctors when needed."
  - Acceptance Criteria:
    - ■ When the user confirms they took a medication (whether through reminders or with a button for as-needed meds), a log of what med, how much, and when should be added
    - ■ Log history should be viewable
- Accounts: "As someone who takes prescriptions/medications, I want to have an account to backup and sync my prescriptions across devices."
  - Acceptance Criteria:
    - ■ User can add an account. Account information includes their name (first and last), email address, and password
    - ■ Email address must be properly formatted upon signup (example: sample@email.com)
    - ■ User should not be able to make multiple accounts with the same email
    - ■ User should not be able to login without having an account
    - ■ After an account is created, user can login using their email and password
    - ■ User can switch between accounts and have different data on each account
- As Needed Meds: "As someone who takes prescriptions/medications, I want to be able to add as needed prescriptions so that I can log when I took them and track that enough time has passed between taking them."
  - Acceptance Criteria:
    - ■ User should be able to add as-needed medications to the app. Relevant information includes the name of the medication, amount per dose, and how long the user has to wait before taking the medication again
    - ■ There should be a separate list of as-needed medications with a button for each to log when the med was taken
    - ■ If the user tries to log the medication a second time before the waiting period is over, the app should warn the user about when they should next take the medication
      - ● The user should still be able to log the medication again if they want, they just have to confirm that is what they want to do
- Privacy/Security: "As someone who takes prescriptions/medications, I want to have my information be private, only shared with possible caretakers, so that only those who I trust know about my medications."
  - Acceptance Criteria:
    - ■ Realm (frontend storage) should be encrypted
    - ■ The connection between the frontend and backend should be as secure as possible

Known Problems:
List the major bugs (you can reference your Test Report), omissions (missing functionality, edge cases that are not handled), design shortcuts (e.g. hard coded data), etc.

- AM/PM dropdown menu for the take medication reminders will sometimes not change it's value
  - This mainly happens when there are multiple time fields and the user is trying to change them to be the same
  - Selecting the opposite value and then the intended value fixes it
- We couldn't make the calls to the backend https, so it is not as secure as it could be
  - This is due to the server not actually being deployed
- When the app is first installed and opened, sometimes the realm encryption key won't be the right length (it is randomly generated using built-in functions, but we ran out of time to figure out why it doesn't consistently generate a 64 byte key) and Realm will reject it
  - This can be fixed by uninstalling and reinstalling the app (resetting all data)
  - Once the realm is created, this isn't an issue
- Refill reminders aren't scheduled-out. Every time the user confirms they took a medication, the pill amount gets updated, and once it reaches less than the number set by the user, the user will get notified to refill it
  - So if the user isn't confirming they took the medication, they won't get a refill reminder
- If the user goes to the "Edit Medication" screen but doesn't use the "Edit Med" button to return home (they navigate to a different screen with the side menu), then the "Add Medication" screen will have the "How Many Times Per Day/Week" field as well as the "Send Me Reminders to Take this Medication" checkbox set to the values of the medication they were editing
- Reminders don't trigger right when the time changes to the correct hour/minute. It will trigger somewhere within the 60 sec time frame
- Deleting a medication while offline will not delete it from the server. When the app next loads the medication will be re-added

Product Backlog:
Provide a list the high priority user stories and bug fixes that can serve as a
guide for a follow-on project.
- Sharing Account: "As someone who takes prescriptions/medications with a caretaker, I want to be able to add my caretaker to my account so that I can have help managing my prescriptions."
- Shared Account Notifications: "As a caretaker, I want to customize the notifications I receive about my charge's prescriptions so that I am only notified about important prescriptions."
- Symptom Log: "As someone who takes prescriptions/medications, I want to log the pain/symptoms I have when I take medications to track the effectiveness of my prescriptions and share this log with doctors."
- Additional Med Info: "As someone who takes prescriptions/medications, I would like to view information about my medications without having to enter/research it all myself."
- Refill Links: "As someone who takes prescriptions/medications, I would like to be able to provide links to where I refill my medications to make future refills easier."