

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
- If the user navigates off of the "Add Medication" screen without clicking the add med button, the fields the user filled in will still be filled in the next time the go to the "Add Medication" screen
- 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
- Sometimes after editing a medication reminder, when the notification pops up it will not include the buttons

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.”