

## System Test Scenarios:

### Note:

- Before beginning, make sure to have an Internet connection (with eduroam or another strong network).
- 1. User Story 2 from Sprint 1: As a user, I want to choose my account type automatically so that I can sign up as a patient or as a medical staff
  - a. Scenario: App user does not have an account.**
    - i. Launch the app on expo client
    - ii. Click the sign up button
      - 1. Enter an email and password
        - a. User should not be able to sign up with an email already in use.
      - 2. Click the Sign Up button
        - a. User should be taken to the Patient Homepage
  - b. Scenario: App user has account and wants to login**
    - i. Launch the app on expo
    - ii. Click the Sign In button
      - 1. Enter their email and password
        - a. User should be taken to the Patient Homepage
- 2. User Story 2 from Sprint 2: As a receptionist, I want to be able to see patient's basic information and appointment request so that I can help him/her to schedule.
  - a. Scenario: Receptionist or Doctor want to see their past schedule**
    - i. Launch the app on expo client
    - ii. Sign into app as a Medical Staff
    - iii. Navigate to Medical Schedule Page
      - 1. User should see a calendar
        - a. Calendar should be aligned in page
        - b. Background should be white
        - c. No events should show for current page
    - iv. Navigate calendar to November 18
      - 1. Events should show on page
      - 2. Event data should be in white block.
  - b. Scenario: Receptionist or Doctor want to see today's schedule.**
    - i. Launch the app on expo client

- ii. Sign into app as a Medical Staff
  - iii. Navigate to Medical Schedule Page
    - 1. Click on current date.
      - a. Should show events if there are events set
      - b. If not, NO APPOINTMENTS FOUND displayed
  - c. **Scenario: Receptionist or Doctor wants to look at appointments based on email**
    - i. Launch the app on expo client
    - ii. Sign into app as a Medical Staff
    - iii. Navigate to Medical Search Schedule Page
      - 1. Input an email into the text box
      - 2. Click on search schedule button i.e “zchen133@ucsc.edu”
        - a. Events for this user should display
        - b. Be able to scroll down and see all their appointments
3. User Story 3 from Sprint 2: As a patient, I want to be able to schedule my appointments.
- a. **Scenario: Patient Does not fill in all fields to request appointment**
    - i. Sign into app as a patient, navigate to appointment request page.
    - ii. Click Request Appointment
      - 1. User prompted to fill in missing field with a toast.
        - a. User should not be able to request an appointment without all fields being filled (Excluding Description Field).
        - b. Data should not be stored in database.
  - b. **Scenario: Patient Fills in all fields correctly.**
    - i. Sign into app as a patient, navigate to appointment request page.
    - ii. Fill in all necessary fields.
      - 1. User input is restricted using drop-down boxes to ensure valid data is entered. This is true for all inputs except description which should give the user some freedom of input.
    - iii. Click Request Appointment
      - 1. Toast notifies if request succeeds or fails to send.
      - 2. Data entered can be observed in firebase database.
4. User Story 2 from Sprint 2: As a patient, I want to have a profile that displays my basic information so that I don't have to re-input it whenever I have to schedule an appointment.
- a. **Scenario: Patient tries to input null values for user data such as first name, last name, address, age, etc.**

- i. Sign into app as a patient, navigate to the patient profile page.
- ii. Edit any field
  1. For the first-name field, try to enter empty data by editing the text box and removing all characters using backspace.
  2. If a null value is entered (empty string) a Toast will explain that such an action is not allowed, firebase database will not be updated with a null value.
- b. Scenario: Patient tries to input an invalid date for their birthdate, such as a date in the future.**
  - i. Sign into app as a patient, navigate to the patient profile page.
  - ii. Try to choose a date past the current date, and the datepicker will prompt you back to the current day
    1. MinDate is set to 01-01-1900, and patient cannot select a birthday prior to that day
    2. Database will not be updated with a “bad” birthdate, since Date Picker does not allow for such a date to be picked in the first place

## Unit Tests:

Testing is located in folder “Woo/\_\_\_tests\_\_\_”. Only the UI is unit tested.

The system under test is in “src”.

Tests require just being in the root directory of the app and running the command “npm tests”. Please also note that we have continuous integration set up that runs these tests for every commit. There is a red X or green check for tests next to commit names in the commit list. See “.circleci” for info about how those tests are run. Only 8 out of the 20 test cases pass due to issues with Jest

Classes with complete unit testing:

- There are no modules with 100% code coverage.
- Nearly all of /src UI is tested, which makes up the bulk of our logic.

Classes that still need unit testing

- Everything in the backend needs to be unit tested.
- There are a few handlers that do not have testing.

Product Name: Woo

Team: Woo

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