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Snuuz - System and Unit Test Report

Due to the nature of our application and our lack of time, we have chosen to do manual tests, as we did not have time to write scripts to test our code.

System Test Scenarios - Sprint 1

Completed User Stories

1. As a user, I want to see a menu so that I can set an alarm
    a. Task 1: Create an overview page (eventually with a list of alarms)
2. As a user, I want to set an alarm so that I know when to wake up
    a. Task 1: Show a digital clock
    b. Task 2: Input a time

Scenario

1. Start Snuuz app
2. Select “Set Target Time”
3. *User should see a TimePicker fragment and be able to select a time*

System Test Scenarios - Sprint 2

Completed User Stories

1. As a developer I want to have an app storyboard to I know how to UI will flow
    a. Task 1: Draw a diagram of each activity
2. As a developer, I want to be able to store the alarm times in a database
    a. Task 1: Connecting project with SQL Database
    b. Task 2: Populate the menu with previous data
3. As a user, I want to see a menu so that I can see a list of alarms and settings
    a. Task 1: Create an overview page (eventually with a list of alarms)
    b. Task 2: Create a settings page
4. As a user, I want my phone to set when I go to sleep at the time I set my alarm, set when
    a. Task 1: Trigger a time input when I set an alarm

Scenario

1. Start Snuuz app in emulator
2. Select “Set Target Time”
    a. Select a time
3. Open SQLite GUI and open database in Snuuz Project

4. *User should see an SQLite table with new values for the alarm time and the actual time when the alarm was set*

System Test Scenarios - Sprint 3

Completed User Stories

1. As a developer, I want to be able to store the alarm times in a database
    a. Task 1: Storing wake up data at the time the alarm is set for in database
    b. Task 2: Storing going to sleep data at the time the user sets the alarm(presses OK)
    c. Task 3: Retrieve the sleep data from database and print into Logcat
2. As a user, I want my phone to make a sound when the alarm goes off to wake me up
    a. Task 1: Developer gets the phone to make noise
3. As a user, I want an alarm to work and to input my getup time with text input so that I can record when I get up
    a. Task 1: Implement AlarmManager to TimePicker
    b. Task 2: Create a fragment to force display the alarm even while not in Snuuz
    c. Task 3: Have the alarm display the new fragment when it goes off
4. As a user, I want to see my data in chart form so I can easily visualize my sleep history
    a. Task 1: Get familiar with a chart API (AnyChart, Google Sheets)

Scenario

1. Start Snuuz App
2. Select “Set Target Time”
    a. Select a time
    b. Hide Snuuz app
    c. Wait for alarm to go off
    d. User should see the alarm activity appear no matter what they’re doing on the phone
3. Open SQLite and open database in Snuuz Project
4. *User should see an SQLite table with*
    a. Alarm time
    b. Time when alarm was set
    c. Getup time

System Test Scenarios - Sprint 4

Completed User Stories

1. As a developer, I want to be able to store the alarm times in a database
    a. Task 1: Make a database with fields for alarm time, sleep time, and getup time
    b. Task 2: Find variables for alarm time, sleep time and getup time, then use an SQL function to store values in database
    c. Task 3: Teach the team how to retrieve data from SQL database
2. As a user, I want my phone to make a sound when the alarm goes off to wake me up.
    a. Task 1: Find the variable for alarm time and make the sound go off at said time

    b. Task 2: Make the alarm noise stop when the user presses the dismiss button or the snooze button
3. As a user, I want an alarm to work and to input my getup time with text input so that I can record when I get up
    a. Task 1: Create a text input in the alarm activity and store it into the getup time variable
    b. Task 2: Create a snooze button in the alarm activity and make it create a new alarm 10 minutes from the current time
4. As a user, I want to see my data in chart form so I can easily visualize my sleep history
    a. Task 1: Use AnyChart's built in functions to implement a blank graph
    b. Task 2: Use fake values to simulate the previous 30 days of data

Scenario

1. Start Snuuz App
2. Select "Set Target Time"
    a. Select a time
    b. Hide Snuuz App
    c. Wait for alarm and sound to go off
    d. User should see an alarm prompt with sound, with an option to snooze or input their wakeup time
    e. User hits the snooze/dismiss button(with modified time parameter for testing purposes)
    f. Wait for alarm and sound to go off
    g. User enters wakeup time
    h. Have a certain amount of data stored in database
    i. Hit chart icon in the upper right hand corner in order to view sleep history
    j. User should see a graph with placeholder values when they touch the chart icon