Design Document 6

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Target Device Category: Regular Smartphones
Testing Device: Nexus 5

Overview

For my mobile app, I'm doing a fitness mobile app that's designed to log and track exercise sessions when exercising. Specifically, the user can browse different categories of fitness which are separated into 4 distinct categories. In each category screen, the user can view the list of activities with a progress bar and add a new activity or update their progress bar. Within the progress bar, the user can set a certain goal and certain time in which they want to achieve their progress bar goal. There's also a stopwatch on each screen for the user to use within the app. User can also take notes within the app to keep track on certain progress. In certain screens, there'll be a counter in correspondence to the exercise the user is performing and some might also feature a video for less common exercises.

In terms of location services, I'm not thinking about putting it in the app at the moment. Instead, I'll make implements to the custom progress bar for assignment 5, and preparing for the demo with a couple of features (like videos, custom icons, camera, etc.). If I later decide to put location services, it'll be corresponding to the login screen as a check-in when you're at the gym or specific location to workout.

For sms/email/social media, I can modify the app to add a share feature which can be easily implemented within the app for sharing activities.

Features and Timelines

1. All screens created and appropriate layout (Assignment 2)
    a. Try to get the layout of the categories of the screens look good and clean
    b. Start with Android Studio controls and work on customization in the later project assignment around 4 or 5
2. Add activity entries to fitness category screen (Assignment 2)
3. Add progress bar layout (Assignment 2)
4. Work and save on inside the progress bar stats tracker (Assignment 3)
5. Add stopwatch/notes utilities (Assignment 3)
6. Add video screening to flexibility section (Assignment 4)
7. Add reps counter and make it scrollable (Assignment 4)
8. Customize progress bar for user's progression (Assignment 5)
9. Filter browsing results upon user's progress (Assignment 5)

10. Prepare demo (Assignment 5)
11. Share feature entries via sms and/or email (Assignment 6)

Use Case

Logging/Tracker: The fitness app is used by people who are looking for a way to track their fitness exercises or to learn how to de certain exercises. There are multiple ways in which the app can help users keep track of their training and improve upon their training.

Changes:

In terms of changes, I tried to follow the rubric of Assignment 6 as much as possible. Firstly, I improved the UI a bit in which I rearranged the icons/labels to fit and correspond with my testing device so all the items match and are not cluttered. In terms of other UI changes, I added color to the overall theme of the app to make the app more appealing and vibrant. The lining of the user settings have also been improved in which the lines and text are equal to each other in length. Next, I also made a app icon for the app. The icon shows a person inside of a blue background. Email/SMS and Maps have been integrated and fixed. You would just need to add permissions of the iFit app as well as sign into your Google account to have full accessibility of it. For sharing workout information on SMS/Email, you would need a sim card to share via SMS. Fixed progress bar saves with Shared Preferences and automatically saves. And in user settings, commented out java collection as I thought it was unnecessary. Code is still there though for java collections buttons. For the screenshots below, the sms/email screen doesn't look that arranged on the emulator but on the actual device, it's proportionally arranged.
Other miscellaneous things like app icon shows up on the testing device but not the emulator. Would highly recommend testing app on actual device

iFit

CARDIOVASCULAR ENDURANCE

MUSCULAR STRENGTH

FLEXIBILITY

BODY COMPOSITION

MAPS　　USERS　　SMS/EMAIL

Cardiovascular Endurance

Activities:

- **Running**
- **Cycling**
- **Swimming**

🕐 Stopwatch

NOTES

Activity Completed

Muscular Strength

Activities:

- **Pulldown** ⬤▬▬▬▬
- **Pushdown** ⬤▬▬▬▬
- **Shoulder Press** ⬤▬▬▬▬

🕐 Stopwatch

NOTES

Activity Completed

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Flexibility

Activities:

- **Arm Across Chest**
- **Triceps**
- **Quadriceps**

🕐 Stopwatch

NOTES

VIDEOS

AUDIO

Activity Completed

Body Composition

Activities:

- **Push-Ups**
- **Squat**
- **Lunge**

🕐 Stopwatch

NOTES

Activity Completed

iFit

UserID: _____

Name: _____

Age: _____

ADD   **FIND**   **DELETE**

iFit

Time: 00:00

START

PAUSE

RESET

Enter Notes

SAVE NOTES

iFit

15 Minute Beginner Flexibility...

15:01

20 Minute Full Body Flexibility...

Upper Body Active Stretch W...

20 minute Full Body Yoga Str...

iFit

RECORD

STOP RECORD

PLAY

STOP PLAY

file: /storage/emulated/0/myAudio.3gp
state: mounted

iFit

Phone Number:

Enter phone number

Message Body:

Enter Message Body

[SMSINTENT]   [SEND]

EmailAddress

Enter Email

[SENDEMAIL]