INTEGRATED DESIGN PROJECT

CSE-460

UI Design Report

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UI Design

Report

Health Monitoring System of a Pilot

1. **Introduction:** The UI of our system is built on Android app. In this case, we have used MIT App Inventor (online). MIT App Inventor uses a block-based programming language built on Google Blockly. Google Blockly is a JavaScript library for building visual programming editors. The core language is java and database is created using TinyDB.

2. **Current UI vs mock up UI:**
   a. The app has a Home Page. From here we can log in to the interfaces that the users belong to. And we have an option to know about the software information of the app. We have planned to have a registration option here. Again, we have the option to scroll down the page.
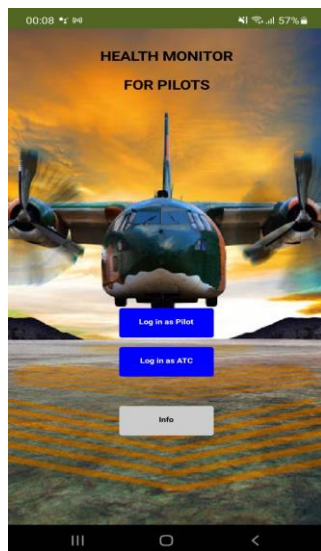

Figure 1 (A-a): Actual Page

Figure 1 (A-b): Mockup Page

   b. There is not much difference. Here we didn't have the registration option and scrolling of the screen.
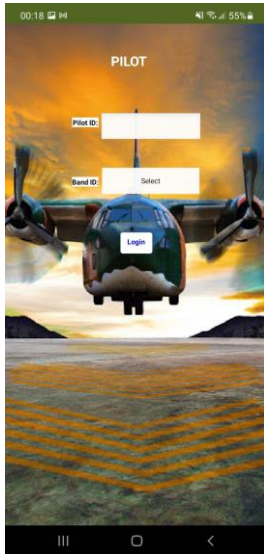
Figure 2 (B-c): Actual Page

Figure 2 (B-d): Mockup Page

c. Here we have planned for a unique key. That is Pilot ID and the selection page for the band is separated.

d. It was previously Pilot name as user and the selection of band was given by a pickup list.
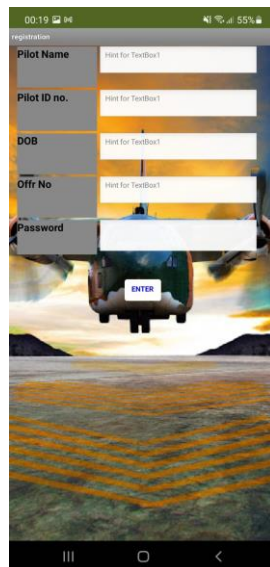

Figure 2 (C-e): Actual Page

e. We have a registration page to sign up new pilots and to store the data in database directly from the page. We didn't come up with this idea of registration in mock up UI design.

Reason: The reasons for the deviation are narrated below:

1) We felt the necessity of having a registration for security purpose.

2) Due to MIT app inventor limitation we had to create a separated page for the band selection

3) For smaller screen mobile phone we added the scrolling feature for making it more user friendly.