

PROJECT PERFORMANCE REPORT

Project Title: Padawan IOS App **Date Prepared:** 10/25/2020

Project Manager: Leon Watkins **Sponsor:** Professor Garvin

Accomplishments for This Reporting Period:

During this reporting period I have made some very good progress and now have developed the login, registration, and home pages of the Padawan application with Xcode. I have also been able to integrate a Firebase database that handles user authentication for secure user registration and login. So now the application allows a user to open the app and register a new account, once registered users are taken to the home screen. Existing users can login with an email address and password and are then taken to the home screen. When a user logs in Firebase is utilized to validate their username(email address) and password. I have started to expand the homepage adding instructions to the user. I have decided upon a color and page scheme for the application and implemented it on the existing application pages. I also created a few images needed for the application and deposited them into repository that can be utilized within Xcode.

Accomplishments Planned but Not Completed This Reporting Period:

During this reporting period I planned to have the Learner and Teacher (Mentor) pages developed but have not yet developed these pages. I would like to have developed some additional images such as a visual Logo that can be used alongside the full text name that is featured prominently on the app at this time.

Root Cause of Variances:

The cause of the variance was that I focused on implementing the user registration and login functionality with the Firebase database instead of developing the learner and mentor pages of the application. In hindsight this I took the correct approach as most of information displayed on both the learner and mentor pages will be pushed and pulled from the Firebase database, so understanding how that works is paramount before designing the pages.

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Impact to Upcoming Milestones or Project Due Date:

At this time there is no risk to upcoming milestones or a risk of missing the project due date.

Planned Corrective or Preventive Action:

The only corrective action that is needed at this time is to reshuffle the objective of this reporting period, as more time consuming and technical tasks were accomplished in the last reporting period then previously planned.

Root Cause of Variances:

The course of the variance was that I fully developed and integrated the user registration and login functionality with the Firebase database during the last reporting period instead of designing and developing the learner and mentor pages. As previously stated this provide to be the correct move as the learner and mentor home page will rely upon push and pull data retrieved from the Firebase database.

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Summary of Upcoming Tasks

The upcoming tasks for this project include the development of the learner and mentor pages with the ability to push and pull data from the Firebase database. This will allow the learner to post a help topic and the mentor to reply. I also plan on developing a logo for the Padawan app.

Planned Corrective or Preventive Action

This has already occurred with the reshuffling of priorities such as the development of the learner and mentor pages.

Accomplishments Planned for Next Reporting Period

- Logo created
- Learner page created
- Mentor page created
- Firebase data push/pull working on above pages

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New Risks Identified

Risk
Firebase push/pull proves doesn't execute properly within app, therefore not displaying users posts.

Issues

Issue
Team member lacks the proper knowledge and skills required to deliver functioning application prior to project deadline.

Comments

While I am still concerned about delivering a fully functioning app, I do feel good about the progress that has been made during this reporting period. There is now a tangible app that can be launched in which a user can register for and login to. This app then stores the registered users' information in a Firebase database and authenticates them during login. The difficulty with my app is that it relies on so much input and data from the user, which is proving to be a challenge for me personally, but I hope one that I can overcome.