

PROJECT PERFORMANCE REPORT

Project Title: Padawan IOS App **Date Prepared:** 11/15/2020

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

Accomplishments for This Reporting Period:

During this reporting period I have I have developed the learner and mentor pages, along with a past post page, but have had difficulty incorporating the push/pull functionality to display within the app. I have also upgraded the security permissions and rules for the database.

Accomplishments Planned but Not Completed This Reporting Period:

During this reporting period I planned to have the Learner and Teacher (Mentor) pages displaying data from the database, but although I can get XCode to pull and push data to and from Firebase I have not yet found a way to display the data within the application. I would like to have developed an image for the application icon and implement this to display on the phones home screen.

Root Cause of Variances:

The root cause of the variances is that the learning curve is steep with these tasks as I am attempting to develop a rather complex application. Other causes of variances include Firebase forcing security permission changes and a series of errors within XCode that made me think I had lost my working application and would have to restart the entire project.

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Impact to Upcoming Milestones or Project Due Date:

At this time there is a risk that some of the applications functionality may not be in place before the project completion date .

Planned Corrective or Preventive Action:

I will spend additional time trying to implement all the features of the application as planned.

Root Cause of Variances:

The course of the variance was that there were some technical challenges that occurring during this reporting period. Some of these challenges were unplanned such as the security permission change and the internal errors that occurred with XCode, while others were not unplanned as I knew that adding all of the features I planned to add into this application would be challenging.

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Summary of Upcoming Tasks

The upcoming tasks for this project include the implementing the functionality on 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 icon for the Padawan app.

Planned Corrective or Preventive Action

Keep a backup version of the project and update before attempting challenging programming tasks.

Accomplishments Planned for Next Reporting Period

- Icon Logo created and installed
- Learner page functional
- Mentor page functional
- Firebase data push/pull working on above pages

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New Risks Identified

Risk
Updates to XCode and Firebase can cause build and runtime errors.

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 have made some progress during this reporting period and am building a foundation that hopefully will allow me to install all features prior to the deadline. I can now push and pull data with XCode and the Swift programming language but must figure out how to display and collect this data within the application window.