# Project Update

CSCI 4805-10 Spring 2024

The development of HobbyPro has seen consistent progress over the last few weeks. Everyone on the team has made significant headway in accomplishing their assigned features. The original requirements have remained virtually unchanged, other than some minor changes to the design, as well as the removal of a small feature.

## Changes

All changes and deviations from initial proposal, requirements, and design

1. The Quick Access feature has been removed from the original requirements. Due to the status of the project, and the time constraints, the team believed it best to remove this feature.
2. The primary color used for the onboarding presented in the design document was gray. The color currently implemented is white, with red text for any error messages. Other than these small changes, the overall design has remained the same.

## Complete

Items that are completed

1. All the onboarding features including the design and functionality of the log in form, registration form, reset password form, error messaging and validation have been completed.
2. Routes for the following pages are complete:
   1. Main Dashboard
   2. Login
   3. Forgot Password
   4. Register
   5. Password reset
   6. Profile
   7. Completed projects
   8. Create projects
   9. Library

## Partially Complete

Items that are partially completed

1. Main Dashboard
   1. Basic layout and color scheme is done. However, content layout within the dashboard is still being tested to handle unknown screen sizes. Project Icons appear in the content of the dashboard. Although some project information appears such as project names and start dates, all other information will be displayed once JavaScript functionality is implemented in the Create New Project Page. The layout within the project icon is being experimented with as well to ensure all the project’s content looks good in either desktop or mobile view. Sort and Filter buttons are available, but functionality has not been implemented. The progress bar on the project icon has not been implemented as well. Once the project and stage pages are fully developed the progress bar will be functional.
   2. The following routes are in progress but still need to be completed.
      1. Project: accessed by id. Currently using the project name just to ensure we can get to the correct pages.
      2. Stages: accessed by project
2. Navigation Bar
   1. Some implementations for individual project page traversal are still needed. SVG icons next to each tab need to be started on.
3. Create New Project Page
   1. Basic layout is completed. JavaScript functionality is yet to be completed for selecting a deadline such as selecting a date past the current date and adding tag names. The create form is still being tested to handle unknown screen sizes. As of now in mobile view the form elements are bunching up together which is not intuitive, nor does it look good.
4. Library
   1. Basic layout is complete. Functionality to update and delete files and folders still needs to be implemented. Sort and Filter buttons are available, but functionality has not been implemented. Refine the view to be more intuitive.
5. Completed Projects
   1. Overall, the basic layout is complete. The project icon within the page’s content is still being experimented with to handle unknown screen sizes to ensure the project icon and page stays responsive and looks good. Grid layout within the project icon is being worked with to display all the project content correctly either desktop or mobile view. Sort and Filter buttons are available, but functionality has not been implemented
6. Database Implementation
   1. The database is almost fully implemented. The only thing left to add at this point is the “Tasks” subcollection to the “Stages” subcollection. There may be a few other details to add as the project continues, but there should be no reason for a major overhaul of the database.

All the features listed above have seen good progress but remain incomplete. The basic design and layouts and rudimentary functionality have been implemented to gain better insights on how to approach the feature's completion.

## Items to be Implemented

Items that still need to be implemented

1. User Profile
   1. The user profile is in but is still base format for checking if it was showing up when testing no code that allows data in has been implemented or any styling to match design structures
2. Project page
   1. Just implemented but is like profile just a base template, well need to work on this page to get all data and methods in so the page functions as it was designed to do.
3. Stages page
   1. The stages page is not in yet but is a must, as it is one of the core elements of a project itself. We are still working on layout and how the data will be managed and stored and how that will look in the database due to other implementations the team decides on.

## Issues

Issues that are unresolved and whether they may cause a minor or major impact to the project’s success

1. Fire base cloud storage does not support creating directories directly. Instead, a directory is only created when a file is stored within it. It is a problem if a user wants to create a folder first to organize data. Or create folders within folders.
2. Application wide state must be maintained to keep track of the current directory and allow navigation back to parent directories.
3. Firebase does not use empty directories. If an empty directory is created firebase will not populate it until it has some data inside of it. This makes testing and understanding what is going on in the backend difficult sometimes.

## Design Diagrams

Updated database diagrams

A screen shot of a computer program

Description automatically generated

A computer screen shot of a computer code

Description automatically generated

