Week 1 Progress Update

What has been done during the week?

- In Week 1 (February 11–February 28), I finalized the proposal and system architecture for the Robin's Nest Parent App. During that time, I also planned the front-end structure of the application and the workflow between the main screens.
- In Week 2 (March 1–March 7), I configured the Firebase project and authentication services. I also began building the connection between the app and Firebase so the main user flow could support secure login and cloud-based storage.
- In Week 3 (March 8–March 14), I implemented the login and signup functionality with Firebase Authentication and continued building out the main app features.
- Although the original timeline spread these features across several weeks, the development process overlapped, and I was able to complete the core Phase 1 version earlier than expected.
- At this point, the Phase 1 core version includes login and signup using Firebase Authentication, persistent login state, the Welcome/Home dashboard, attendance reporting stored in Firestore, pickup plan submission stored in Firestore, navigation through the Home dashboard, an external hyperlink in the Program Info section, and cloud-based data storage with retrieval.
- On the front end, I completed the Login page, Signup page, Welcome/Home page, Attendance page, Pickup page, Updates page, and Program Info page (formerly the Resources page).
- On the backend, I completed Firebase Authentication for account creation and secure login, session persistence across app launches, Firestore storage for attendance and pickup submissions, and Firestore retrieval for personalized information on the Home screen.
- I also created and organized my capstone homepage on the department web server, uploaded my project documents, and refined the homepage structure and design.

What are you going to do for the next week?

- My next step is to move into core integration testing and validation for the Phase 1 version of the application.
- I will test the full workflow to make sure the main features work consistently, including login, signup, session persistence, dashboard navigation, attendance submission, pickup submission, logout, and external links.
- I will also document the testing results and collect screenshots and notes that can be used for the project demo and presentation.

Are there any issues?

- One issue I encountered earlier was connecting to the correct department server and uploading files to the proper location for the capstone homepage.
- I also spent additional time adjusting the structure and layout of the homepage until it was organized the way I wanted.
- At this stage, my focus is ensuring the core version of the app works consistently rather than adding new features.

Are you on schedule, ahead of schedule, or behind schedule? If behind, what is the plan to catch up?

- I am currently on schedule and slightly ahead in terms of core development.
- Although my original timeline spread these tasks across multiple weeks, I began working on parts of the project earlier during my INFM 412 class, which allowed me to make steady progress during Weeks 1 through 3 and complete the core Phase 1 functionality earlier than expected.
- My focus now is to move into core integration testing and stabilization before starting additional enhancements.