

Time dedicated to the project:

- 12 hours

This week I spent about 12 hours working on the new user signup page and adding the functionality for user verification emails.

Contribution to the project development process:

I focused on building the signup page and connecting it with Firebase authentication so new users can register properly. I also added the verification email feature to make sure accounts are confirmed before access is granted. This helped improve both the user experience and security of the app.

Demonstration of applied knowledge:

Problem-solving: The main issue I faced this week was getting the verification email to send correctly after the signup process. At first, the email wasn't being triggered because of how the auth flow was structured. I fixed this by updating the Firebase config and adding a check to ensure the user gets the verification email right after creating their account. After testing, everything worked the way it should

Reflection and Lessons LearnedReflecting on successes and areas for improvement:

This week was a big success because I was able to get the full signup and verification process working smoothly. It was rewarding to see new users able to sign up and receive confirmation emails. For improvement, I should continue refining the UI layout for the signup form and make sure error handling is more detailed.

Identifying specific lessons or insights gained during the project:

I learned how important it is to test each step of the authentication process separately. Even small details in Firebase settings or function placement can make a big difference. I also realized how much verification features add to the overall professionalism of an app.

Considering how these lessons will influence your future work or projects:

Moving forward I'll continue to break down large features into smaller pieces to debug more effectively. I'll also keep implementing verification or validation checks early in the development process for any future projects.

Discussing any unexpected outcomes or surprises:

The only unexpected thing this week was how sensitive the Firebase verification setup can be. If the configuration is slightly off, the email won't be sent at all. Once I figured that out and corrected the setup, the process worked perfectly.