

Daniel Dickey

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CS-3200

Final Project Proposal

1. General Overview

- I want to do some more work on my group to-do app. It currently allows multiple users to log in and all access the same todo list and work on it together. Any user can add, delete, or edit a todo item on the single todo list.
- For this project I want to fix some bugs add a new model and viewmodel for users personal info sperate from the users login info, add a custom icon, implement banner adds, add groups.
- The group feature will allow a user to create a group, other users can join the group, the group will have a todo list, which only members of the group can utilize.

2. Technical Challenges

- Implimenting adds will be a challenge, since I have multiple activities and fragments. It will be my first time using ads so it will be a challenge.
- The biggest challenge will be managing the groups in firebase, model, and viewmodel. This will be a challenge how to allow only group members to access the group data. I also hope to make it so a user can join different groups. It will be a challenge to allow the user to access multiple groups data "simultaneously."
- Just utilizing many fragments, menu, etc will be difficult to mange it all and make it usable.

3. Framework

- I'll just be doing stock android develpement the same as we have been doing all semester. I'll be using android studio for the IDE. I'll be using firebase to store data.

4. Time Estimation

- 2 hours to add model and view model for user data
- 2 hours to imliment ads
- 1 hour for custom icon
- 2 hours to figure out how to configure storage of data in firebase
- 4 hours to add model and model view for groups
- 4 hours to implement groups into the UI in a decent way