Project Proposal

**App Name:** BeerPal

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**App Overview:**

BeerPal is an app that provides its users with the ability to search for beers they have tried and rate them on a scale of 0-10. These beer/rating pairs will go into their personal database. BeerPal will also have a social aspect where you can add friends and recommend beers through the app. There will also be a wishlist function so users can add beers they would like to try in the future! The app is for beer amateurs, experts, and enthusiasts.

**Core Android Design Features:**

1. Material design
2. Navigation
3. Fragments
4. WorkManager
5. Firebase
6. Unit Testing
7. RecyclerView
8. Permission
9. API
10. Notifications

**Major App Features:**

1. Main Page
   1. Display beer of the day or trending beers
2. Login Page
   1. Create an account or login
3. Profile Page
   1. See your profile and friends
4. Search Page
   1. Search beer -> select a beer -> rate the beer
5. “What I’ve tried” page
   1. List beers you’ve tried/rated
   2. Search the beers you’ve tried
6. Wishlist
   1. Add beers from the Search Page to the wishlist

**Nice to have features:**

1. Beer of the day
2. Trending beers
3. List where you can get the beer
   1. Google maps API -> search for closest liquor store
4. Beer recommendations for certain events/moods

**Possible issues:**

1. Pictures/logos of the beers/companies
   1. Research how to programmatically load in logos from some source

**General UX Layout:**

The bottom UX ideas were sourced from gameeye.com. We will use something similar.