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CS-3200

Assignment 3: First Project Proposal

1. Collaborative To-Do List – a to-do list for husband and wives to share, for example. When you add something, it's color-coded, so you know who added stuff. It will be more feature-rich than the previous assignment. Including the ability to edit and remove a task. As well as add tasks using your voice. It will allow the user to make, access multiple lists shared and not shared. Now couples, families, co-workers, etc., can share a single to-do list. No more did you remember to buy milk? Because the app will show that your wife added buy milk to the to-do list.
2. Adding a voice input to add / edit tasks will be tricky. I don't fully know how to add users yet. I will need to figure out how to allow users to share a single to-do list between multiple accounts. I think adding the ability to share some lists among accounts will be the hardest part. It will require an extra activity to add users to a list. I will need to learn how to do this. I will also need to learn how to change the color of the text or the XML object's background.
3.
 1. I will Model-View-ViewModel design pattern
 2. The app will require users to authenticate (sign up / login) before interacting with the app's primary features. Then, they will have the option to make a private to-do list or a shared one and add users. Users will be able to log out.
 3. The app should use the device's speech-to-text API to add/edit text for new list items.
 4. The app will use firebase to store to-do lists and items.
 5. My app will follow the Material Design standard for the UI
 6. My app will have a log activity where the user creates an account and chooses a color for text. An activity for creating new lists, an activity for making the list private or shared and adding people, and maybe an activity for adding list items.
 7. I think having a shared to-do list would be helpful for group homework, home chores, etc. etc.
4. I will spend 3 hours updating my to-do list to a recycler view. I will spend 3 hours adding the delete and edit features. I will spend 3 hours adding account creation and login activity. I will spend 5 hours adding custom colors and the ability to share lists with other users. That is 14 hours total.