Shared To-Do List
CSE 5324-002
Coffee_Code - Group 6
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Share List - Since the start of the pandemic, many workplaces have switched to working from home (working online). This can cause problems in collaboration within the teams as many places are switching to working online for the first time. There already exist many different apps which cater to only large organisations, have a steep learning curve, or are not available/accessible to everyone. We would like to create a mobile app which is intuitive to use and accessible by everyone. An app where team members can create a list of tasks needed to be done, deciding which team members will work on it, or share tasks with others. This app can be used whether the team follows the SCRUM model, waterfall model, Agile, or no model at all.

This to-do app is designed to allow users to create, delegate, and track tasks that are shared among users in a group. The app needs the internet to connect with the server so all users can stay synchronized. The main purpose of the app is to keep the teams in a virtual environment in better collaboration with each other. The app can be used by anyone wishing to share tasks with others and not just for industry use. Whether you are a group of students working on a semester project, or a family managing the chores, or an organization managing their work on the go, this app is an efficient, fast, user-friendly and smooth task-management tool for you!

Functions -
- Add/Remove Tasks: Adds or removes tasks from the UI. Also calls the update function at the end, to update the database. Can possibly update the local cache (if we decide on keeping one).
- Edit Tasks: Allows the editing of the elements of the task. This can include editing who the task is assigned to, what the task contains, due date, reminder, etc. Users will have different editing capability than Admins.
- Search Tasks: Simple search. Allows search for a keyword, and returns possible matches for tasks.
- Share Task: Allows the admin to share the task with other users within the group.
- Edit Profile: Allows users to edit their profile information.
- Create/Edit Group: Allows Admin to create a group of unique users.
- Update: Updates the UI, checks for changes/updates within the tasks. Syncs current tasks with the database, deals with possibilities of failure within sync.

Utilized Resources -
- Database: Used for storing information related to tasks, groups, users.
- Wireless: Used for syncing between each user's device and the database.

Android Experience per Team Member -
Hannan Khan - No prior experience with Android. I have implemented/developed simple apps in Java when I had started out programming. In terms of app development, I mainly focus on apps in Python, which I consider myself to be strong in. These apps consisted of both frontend and backend work.
Yanzhi Wang - I do not have a lot of Android experience and I have not worked on any Android project during the previous semester. The project will take the whole semester, so we

will have plenty of time to learn. I hope everyone in the team will learn something about Android, UML, and the agile process by working together on the project.

Yu Zhao - Do not have any experience with Android development. I have some small full-stack applications experience, and familiar with programming languages like Java, Python, and JavaScript. I can work on both the frontend and backend.

Mohammed Furkhan Shaikh - Does not have prior experience with Android application development. I have experience with programming languages like Java, C, Python. I'm familiar with object-oriented concepts. I can work on the backend and implement functions for the app. No experience with the formal design process.

Anum Farrukkh Khan - No prior experience with Android development. I am familiar with python, java and javascript and have developed various applications using these languages. I have developed a mobile application in react native as part of an academic project.