

Project Statement

I wanted to investigate different apps that help with productivity. To-do lists are fairly simple, but it's a good way to practice with Android development and I believe it can benefit a wide range of people who need structure. I feel that more than ever, with the rise of technology, it's easy to get distracted and it becomes more difficult to become disciplined. For example, this semester was a balancing act and there were many ways I could have spent time more wisely. I feel that there are many students that feel the same so it would help if there was a way to mitigate wasted time and focus on more important tasks. This would help reduce the stresses of last-minute workloads where I sometimes may find myself in. To-do lists are a good way to simplify life and get people back on track especially young adults who are trying to get through academia. Being able to take the time and reflect on what's important I feel is a necessity we all need to go through, and which is why I feel there is still some untapped potential with apps that help with productivity. There are many apps that are designed around creating schedules, however I feel that they have yet to enter the mainstream. When designing this app, I had this in mind, but unlike other apps I wanted simplicity to be the priority.

This app uses the already existing Google Calendar to save goals for a specific day. And using Google Calendar, it is possible to set up reminders that can be saved quickly and efficiently. The designed app barely takes any resources, and a user can quickly write information and then they are able to create a quick goal without much thought.

Application Design

The design is straight forward. We have a list of TextFields that we can enter input. If they aren't filled and we try sending that information, then the user is notified with a Toast message saying they must fill out all fields. Using intents, we interact with the CalendarContract data model to store necessary information. This goes beyond a simple to do because it's easy to structure daily responsibilities and reminders can be extremely helpful. There are a multitude of events that can be added to it and ease of use for such an app was top priority.

Application Implementation and Evaluation

I had to investigate the different tools that Google provides. I wanted an easy way to store and save information and I think using Google was a good way to store that information without completely changing the scope of the project. There was an error where location did not update properly, and I would like to understand why it hasn't so it's worth looking into and doing further testing. Also note for this project to function properly, a Google account is **required**.

References

<https://developer.android.com/reference>

<https://developer.android.com/reference/android/provider/CalendarContract>

Experiences and Thoughts

This project is something I could have added to if given more time. I didn't realize that the scope of such a project could be incredibly overwhelming as soon as you start wanting to add more features. Instead of saving directly on the Google Calendar, I would have liked to learn more about databases such as

SQLite or I could have also tried learning about Firebase and its components. It's a project I would want to start from scratch and spend more time on to further develop my android skills.

