TODO Application

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In the fast-paced digital age, individuals and professionals are inundated with tasks, deadlines, and commitments, spanning both their personal and professional lives. The challenge is not only to keep track of these responsibilities but to prioritize, categorize, and ensure timely completion. Traditional methods like notepads or generic calendar apps are insufficient, and they often lack features specifically tailored for task management. This results in missed deadlines, decreased productivity, and increased stress.

We propose a dynamic TODO application designed to intuitively streamline task management. Our app will offer the ability to quickly jot down tasks, set reminders, categorize by priority and type, and integrate with other calendar platforms. The app will feature a user-friendly interface with customizable views, ranging from a daily breakdown to a monthly overview, ensuring tasks don't fall through the cracks. With this solution, users will regain control over their schedules, increase their efficiency, and decrease associated stresses, ultimately leading to a more balanced life.

1 INTRODUCTION

In any given day an individual could have dozens or more tasks to accomplish. Without proper organization it can become easy to lose track and forget some important tasks. This can become especially relevant in a industry environment where a professional is given a multitude of tasks to accomplish without any way to organize. That's where our idea of a categorized TODO application comes into play. With the ability to prioritize certain tasks, individuals will be able to easily manage their time to ensure they accomplish their goals in a timely manner.

2 RELATED WORK

Prioritization of tasks is highly individual, and will differ between software developers. Some will split up task organization across multiple applications, and others will use software that is specifically built for task management. One example of a related software engineering tool is Trello, a work management tool with templates for to do lists. While some developers have had success with this tool, many useful features are locked behind a paywall including integration with third-party services.

According to researchers, a task manager must be able to emulate different types of TODO lists. They must be able to sort and filter tasks, show different time periods such as day and week, or be tied to project scope. Additionally, information about each task such as its state, history, and time constraint should be captured [1]. We plan to incorporate

these ideas into our design to create a TODO app that is highly flexible and intuitive so that users keep interacting with our app.

3   SOFTWARE ENGINEERING PROCESS

Team Hygiene plans to use the prototyping process for this project. Our main reasons for choosing this model are creative freedom and quick iterations. The prototyping model will allow us to experiment with different ideas during the semester and come up with innovative ways to design and implement our app. By iteratively building and refining prototypes, we can receive feedback on our designs both from team members and instructors. Additionally, as we progress through the project and the semester we will be ready to adapt to any new or changing requirements.

4   REFERENCES

[1] Victoria Bellotti, Brinda Dalal, Nathaniel Good, Peter Flynn, Daniel G. Bobrow, and Nicolas Ducheneaut. 2004. *What a to-do: studies of task management towards the design of a personal task list manager.* In Proceedings of the SIGCHI Conference on Human Factors in Computing Systems (CHI '04). Association for Computing Machinery, New York, NY, USA, 735–742. https://doi.org/10.1145/985692.985785