

CVWO Assignment Final Writeup

General thoughts

Starting this assignment, there were a lot more features that I wanted to implement but due to lack of time, have yet to do so. Even so, I'm glad that I could at least create a working prototype with the things I have learnt over the course of this assignment.

Areas for improvement

Code readability and organization

I could have organized my code better in terms of packaging code into components and modules in separate files and importing where necessary. This could have helped me to avoid much of the code duplication across similar components.

Time management

There were many unforeseen bugs I encountered along the way that took longer than I expected to troubleshoot, largely due to me being inexperienced with React and Golang. I think I also focused a bit too much on minor details and specific features when I should have tried to get more important features working first.

Conclusion

I think working on this app has been a good opportunity for me to gain more experience in web development, having not worked with React and Golang before. Despite the many frustrating bugs along the way, overall, I had fun building the application. Moving forward, I hope to continue learning and doing more in software and web development and to be able to practice these things to build something meaningful.

User Manual

Setting up for local use (instructions also on GitHub):

1. Download the repository from GitHub
2. Open your terminal and navigate to the directory containing this repository
3. Install dependencies for the project by entering this command: `yarn install`
4. Run the app in development mode by entering this command: `yarn start`
5. Open another terminal and navigate to the backend file located in the same directory.
6. Install backend dependencies by entering this command: `go get .`
7. Start the backend server by entering this command: `go run server`
8. Open `http://localhost:3000` to view the app in the browser.

Using the App:

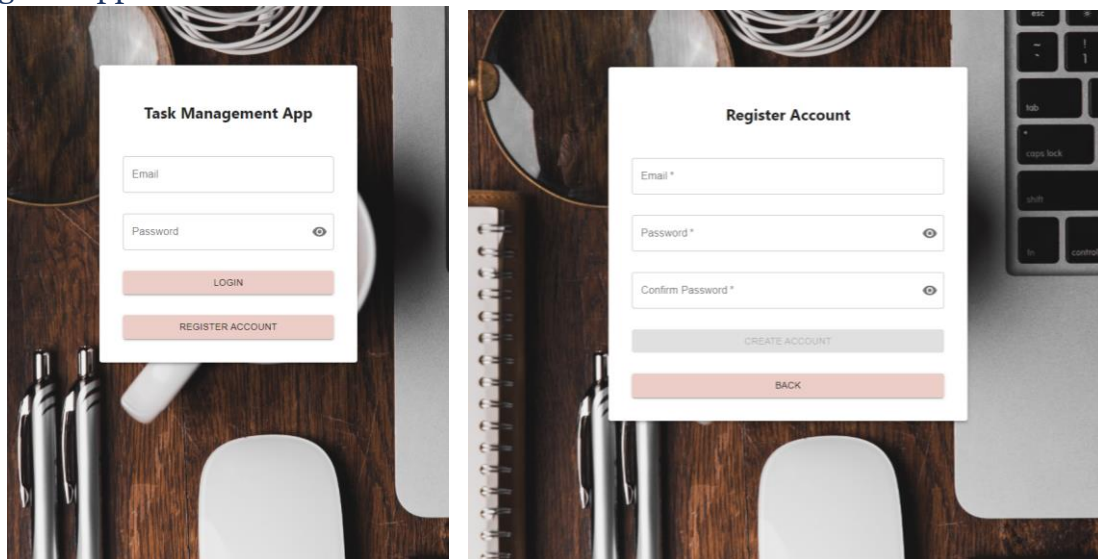


Figure 1: Login and Register Account page

Upon starting the app you will be brought to the login page. You must register an account and verify your email by clicking the verification link sent to your email before you can login.

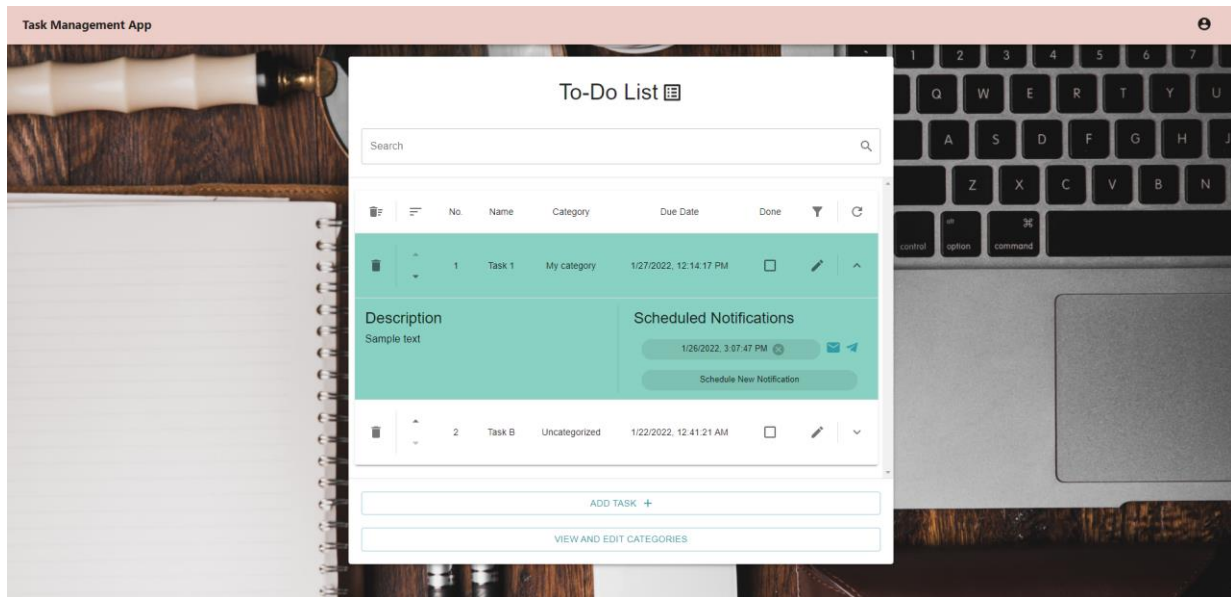


Figure 2: Dashboard

Upon logging in you will be brought to the dashboard page. This is where you can search, filter, and manage tasks from your To-Do list, as well as schedule notifications for tasks.

The 'View and Edit Categories' button also opens up a window where you can create, edit and delete categories that you can use to tag your tasks.

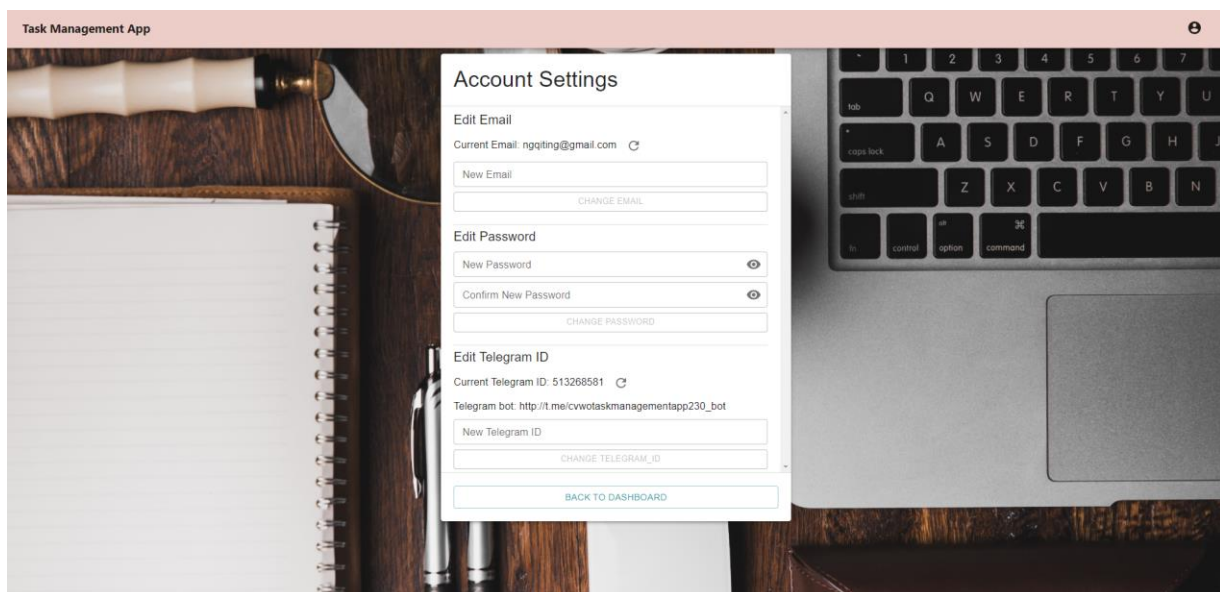


Figure 3: Account settings

On the top right-hand corner on the app bar is the user menu. This is where you can access your account settings and make changes to your email, password, and telegram_id.