

Overview

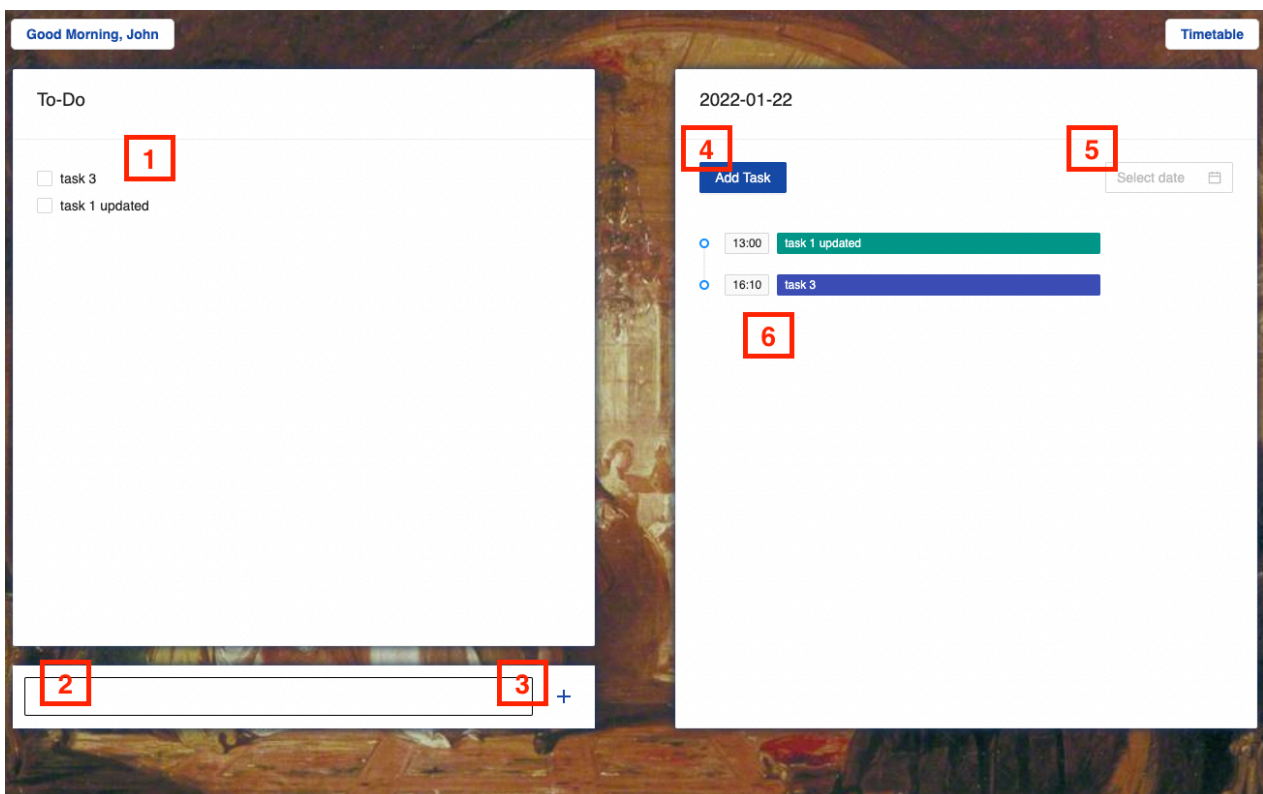
In this assignment, I have developed a simple task management web application with CRUD functionality. The frontend uses React with Ant Design as the UI Framework, while the backend uses Golang.

Personally, I'm happy to have dipped my feet into Golang, as it has been on my checklist for awhile now. It is a rather simple backend, and I cannot claim to fully understand the language, but it did serve as a decent introduction to the language and I'm happy for that. The frontend is something I am familiar with, having done full stack development in my previous internship, where they also used React for their frontend. As such, I've taken the liberty to explore new packages and libraries, notably the colour picker and infinite scroll components. Additionally, I did get to play around with Balsamiq wireframes when designing the UI, which I've seen but never found a chance to work with it before.

All in all, I'm glad that I took on this assignment as it allowed me to explore and try different things in full stack development.

User Manual

The application is a single-page application. There are 2 main parts: the To-Do list (left), and the Timeline (right).

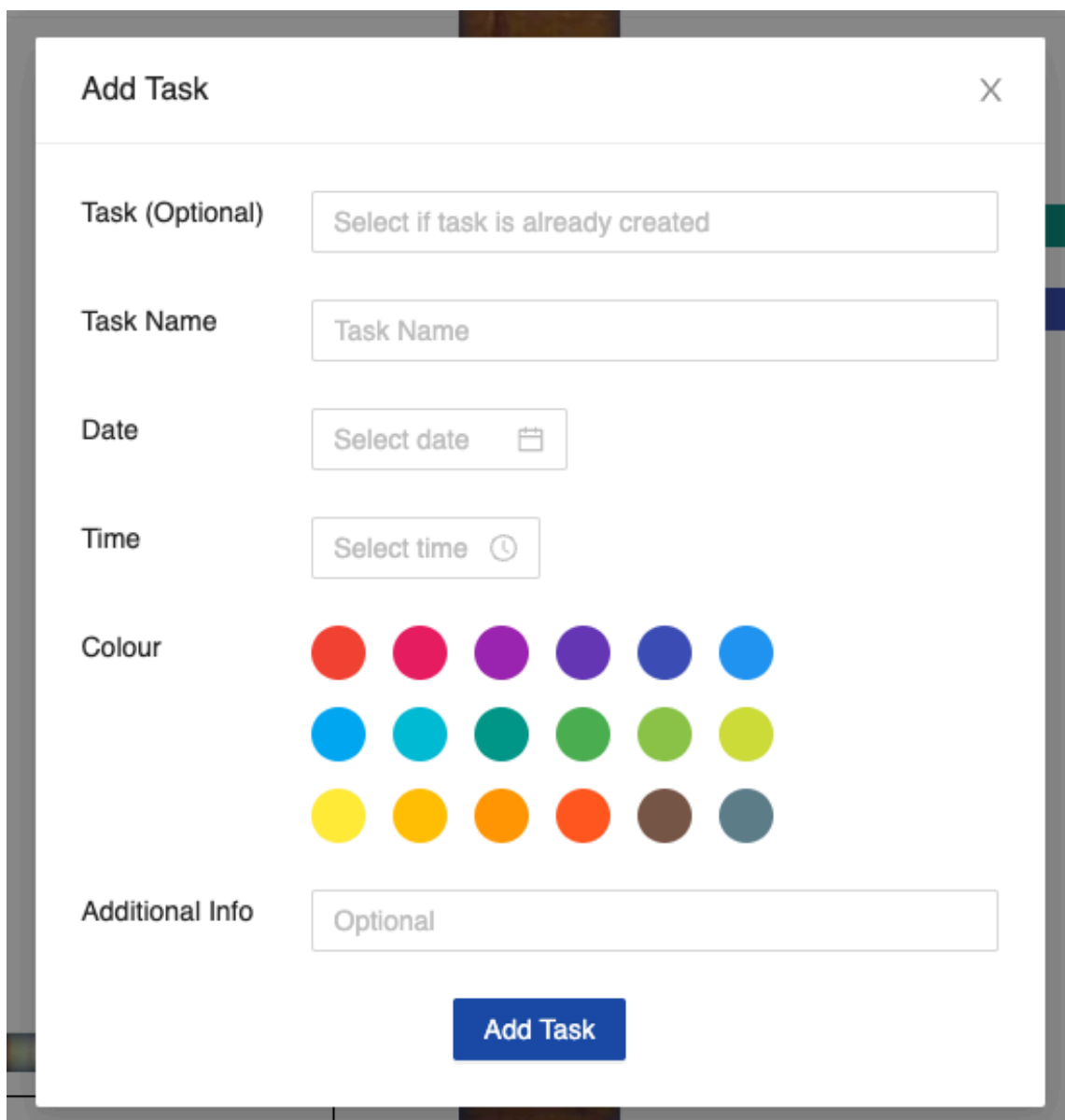


To-Do List

This To-Do list does what its name suggests. Add a task quickly by typing something in the input box (2), and click the + button (3). Your to-do items will appear in the list above (1). This list is synced with the items shown on the right (6). Note that adding tasks this way will add them without a date, and thus not show up on the timeline (6).

Timeline

To add a task with details, click on 'Add Task' (4). A pop-up will appear to fill in. Note that only Task Name, Date, Time, and Colour are compulsory fields. The Task (Optional) field is to select an already existing task that is in the To-Do list on the right. This is so that you can edit/update any task that was previously added. Once done, click on the 'Add Task' button at the bottom of the form. If successful, the form will close. To view your items, adjust the date by selecting it on the top right corner of the section (5). Upon selecting your date, the tasks that were tagged to that date will show up.



The image shows a 'Add Task' pop-up form with a close button (X) in the top right corner. The form contains the following fields and options:

- Task (Optional):** A dropdown menu with the placeholder text 'Select if task is already created'.
- Task Name:** A text input field with the placeholder text 'Task Name'.
- Date:** A date picker with the placeholder text 'Select date' and a calendar icon.
- Time:** A time picker with the placeholder text 'Select time' and a clock icon.
- Colour:** A grid of 18 colored circles for selection, arranged in 3 rows and 6 columns. The colors include red, pink, purple, blue, cyan, green, yellow, orange, and brown.
- Additional Info:** A text input field with the placeholder text 'Optional'.
- Add Task:** A blue button at the bottom center of the form.