



TASK FOREST

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Github: <https://github.com/zeynepseyitoglu/To-Do-List-App>

INTRODUCTION

Task Forest is an easy-to-use, super simple task app.

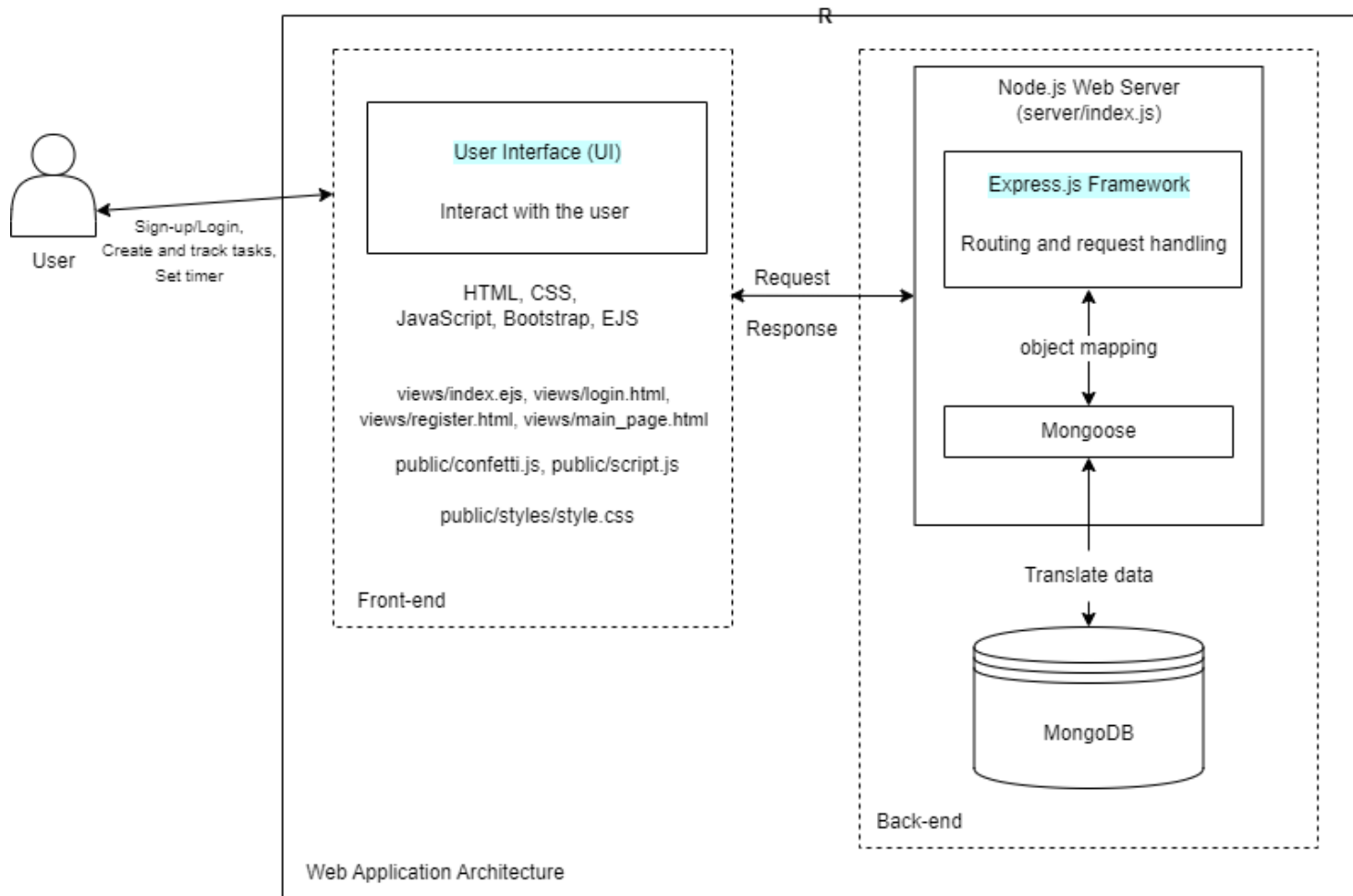
Working as a visual online planner, it will help you facilitate your everyday life. You can create and update tasks, check them when they are done, and delete them when they no longer serve.

With its built-in Pomodoro timer, you can set your desired focus and break times. The app will also keep track of your focus sessions, so you'll know exactly how many sessions of work you did. The alarm at the end of each session will alert you.

Features:

- Create, delete, and update tasks as needed.
- Set the timer to the desired minutes.
- Restore the timer to its default state.
- Have a little fun treat with the confetti.

Architecture And Tech Overview



Front-end:

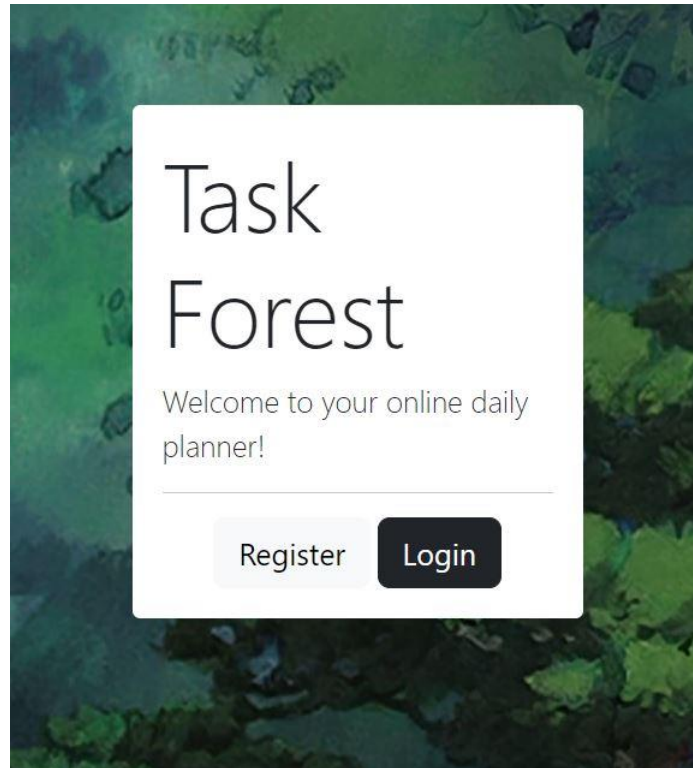
- **HTML:** This is the skeleton of the web page.
- **CSS:** Makes the application very pretty by allowing styling.
- **JS:** Ensures that the buttons and the timers work correctly, allowing a functional dynamic user experience.
- **Bootstrap:** Consists of pre-made styled elements for speedy styling mostly used for button icons and box styling.
- **EJS:** Allows real-time rendering and simplifies dynamic programming.

Back-end:

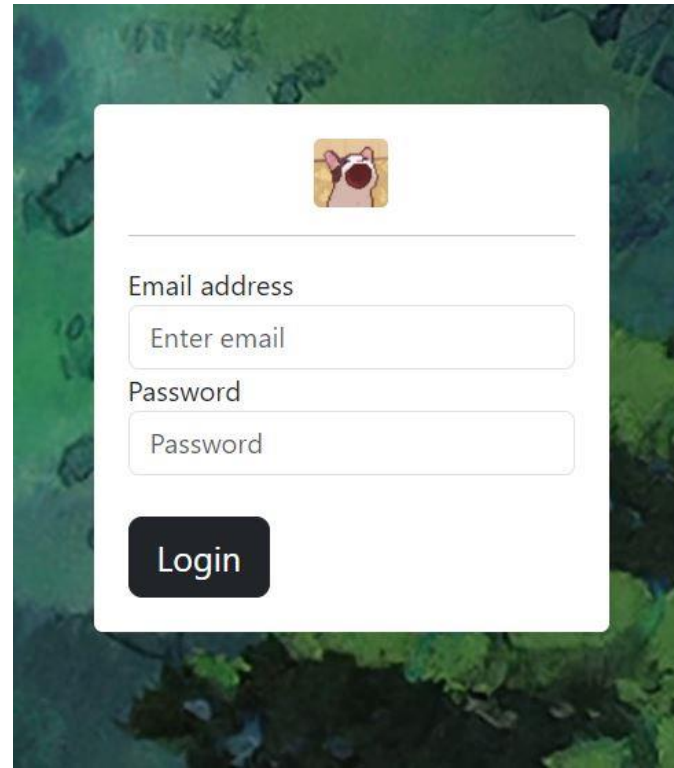
- **Node.js:** Server that allows elements from the front-end to be processed and saved, and to the site to be hosted on the internet.
- **Express.js:** Framework that simplifies creating routes.
- **Mongoose:** Mongo framework that aids in simplifying code to access and edit Mongo database items.
- **MongoDB:** Database that stores the list items and users' information.

Login and register

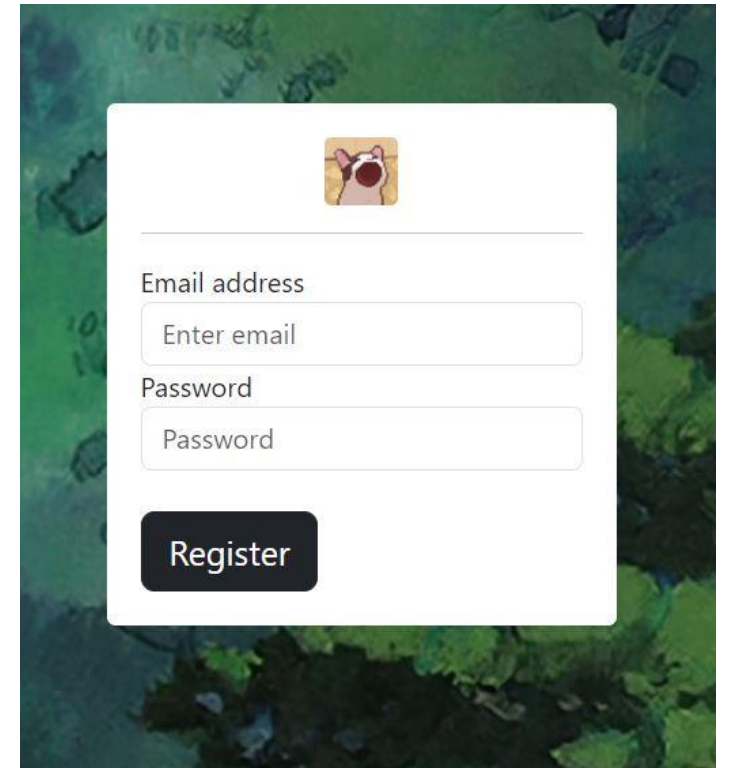
These pages allow users to register to the app and log in to their existing accounts. If the usernames or passwords are invalid at the time of login, the app automatically redirects to the login page. These three pages are designed with simplicity and in accordance with each other to show homogeneity. The colors are chosen to be easy on the eye and remind one of mental calmness.



Welcome page



Login page



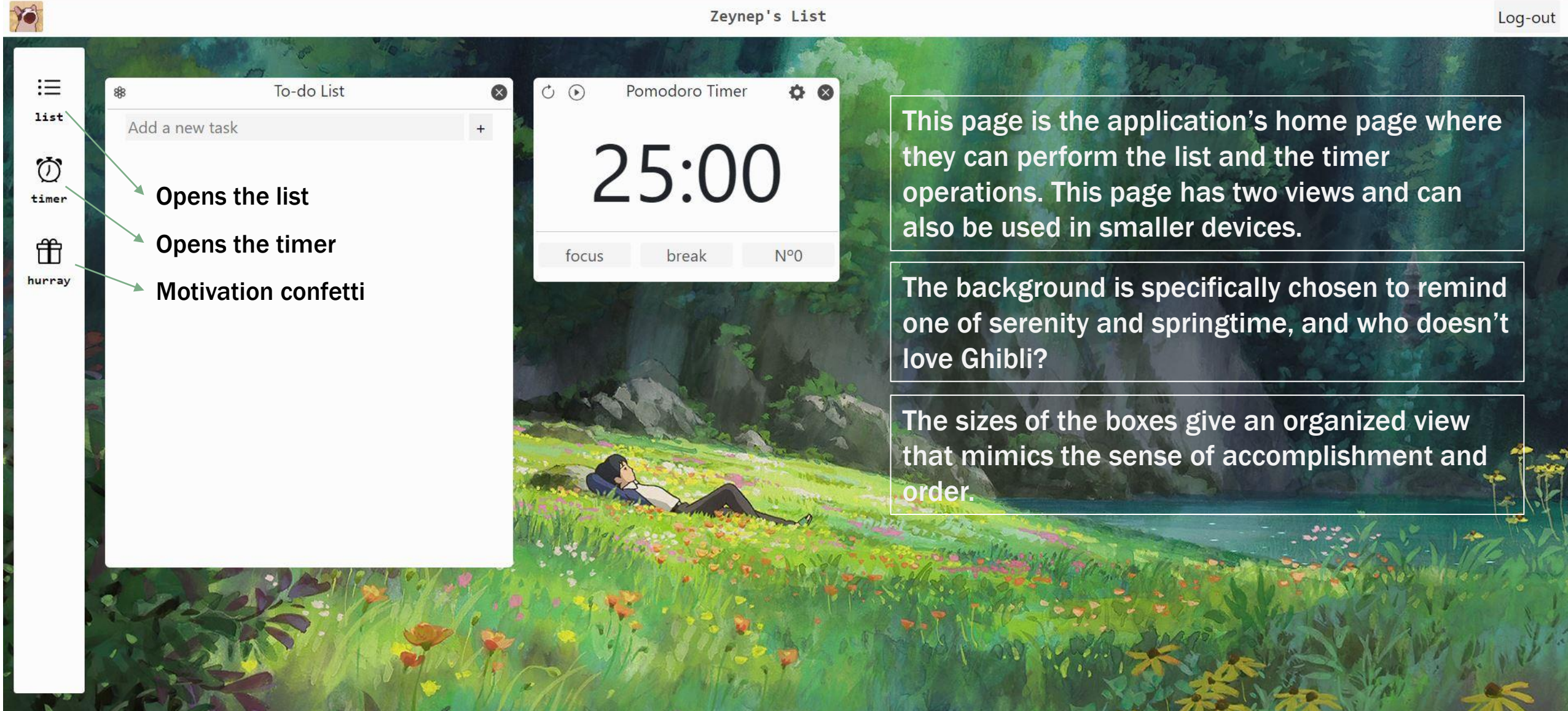
Register page

Home Page

This is the main page of the application.

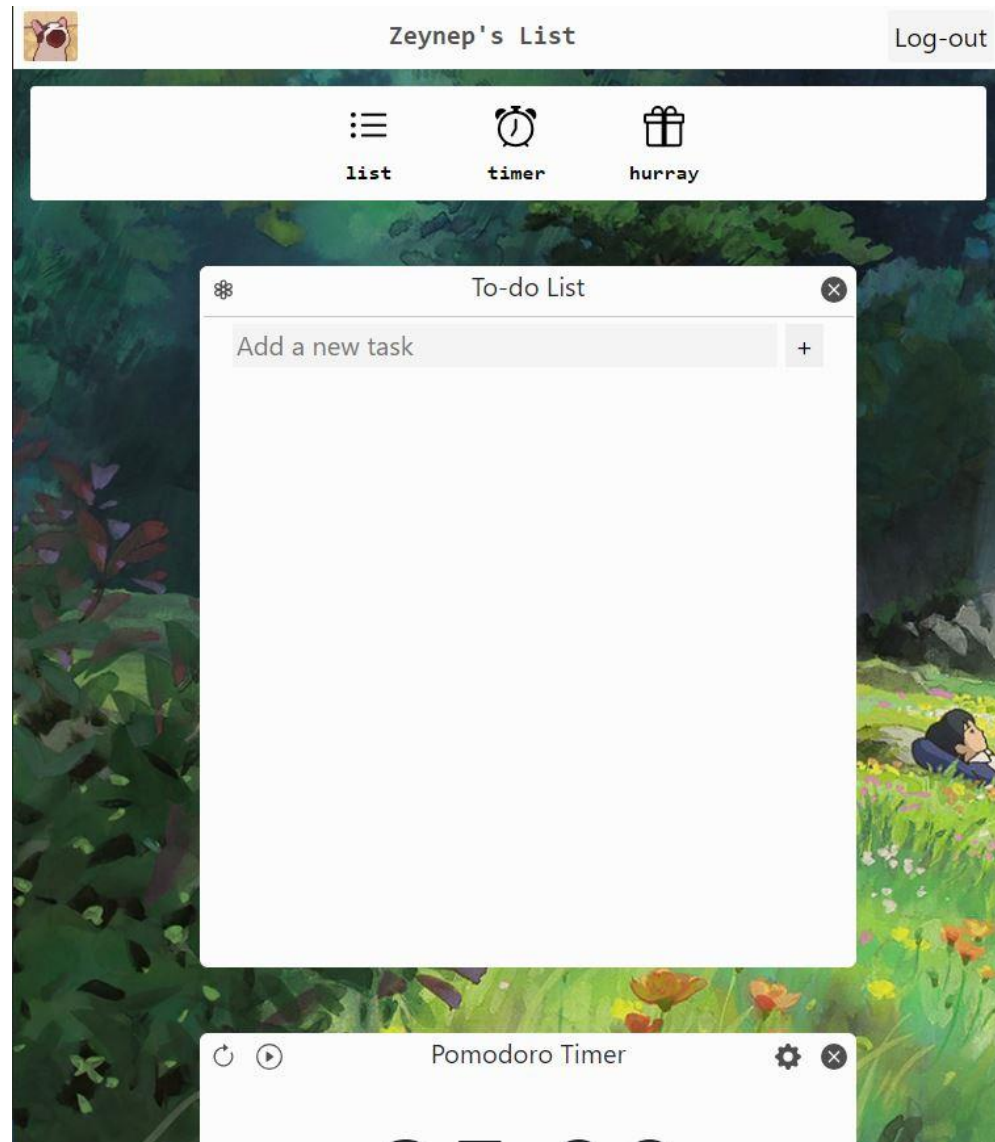
Log-out button

Log-out



Home Page: Secondary view

In devices with a smaller screen, the app resizes its view to fit it.



The timer

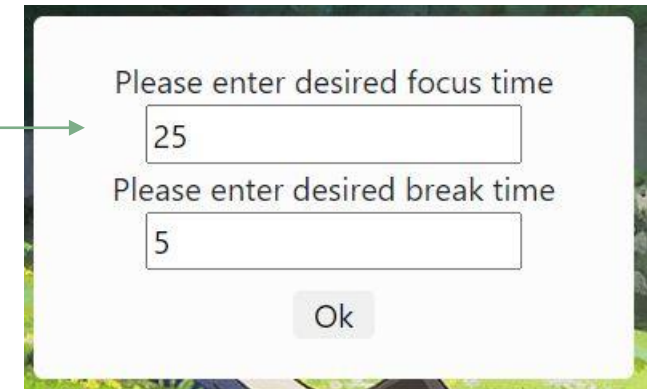
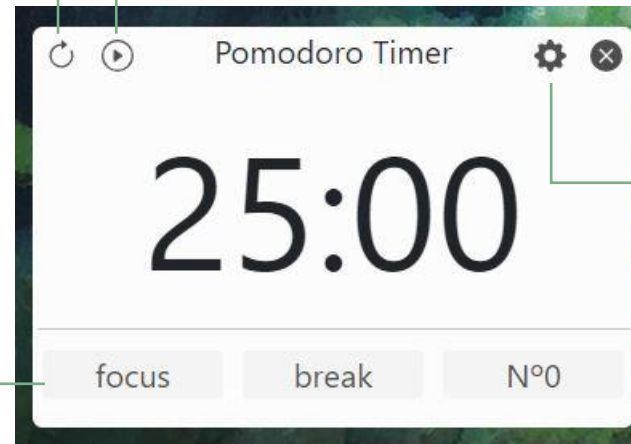
The timer allows the user to set their desired minutes for focus and break times while counting their focus sessions.

It has a built-in alarm that lets the user know when the session ends.



When resetting the timer you get the “a brand new timer” message.

Timer start button



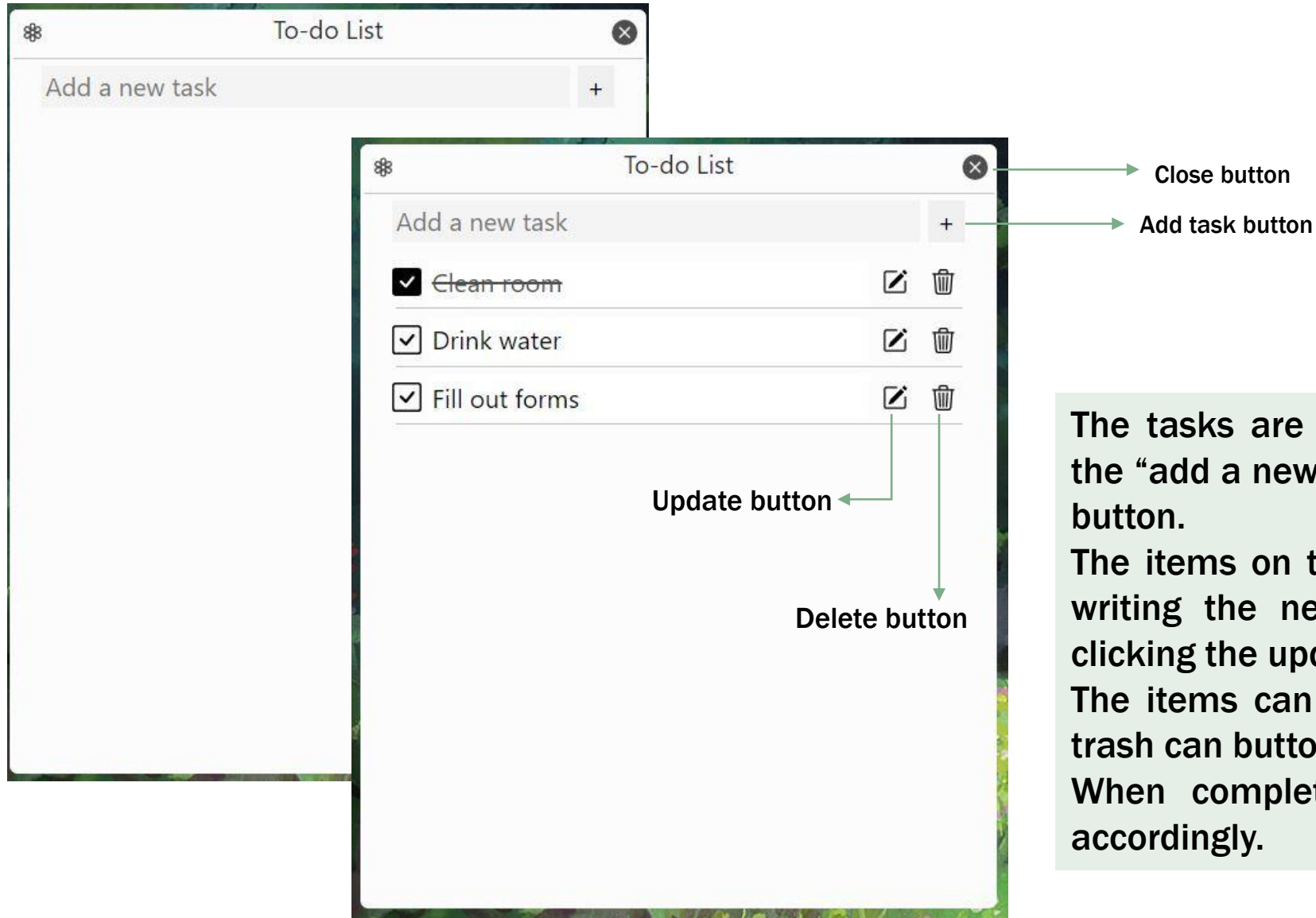
Set the desired minutes for work and break time.



Switch session times

Session count

The List



The tasks are created by writing the task in the “add a new task” field and clicking the “+” button.

The items on the list can be updated by just writing the new task on its text field and clicking the update button.

The items can be deleted by clicking on the trash can button.

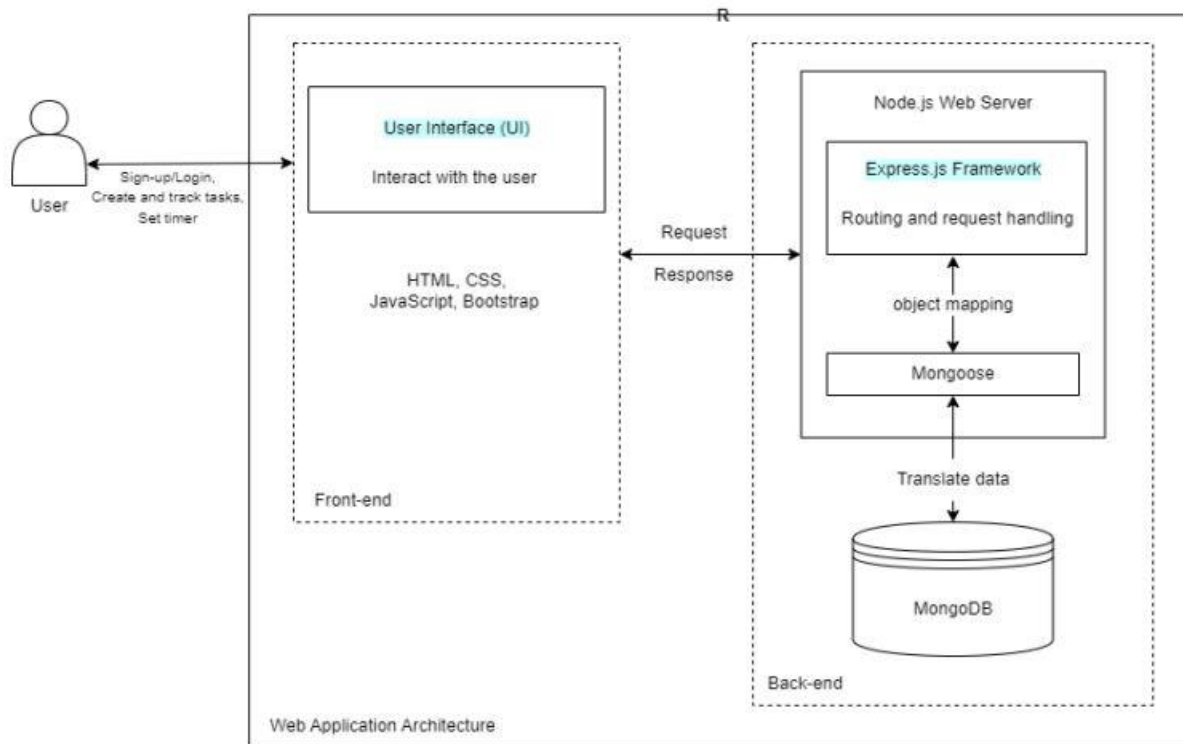
When completed the tasks’ view changes accordingly.

Changes From the Original Conception

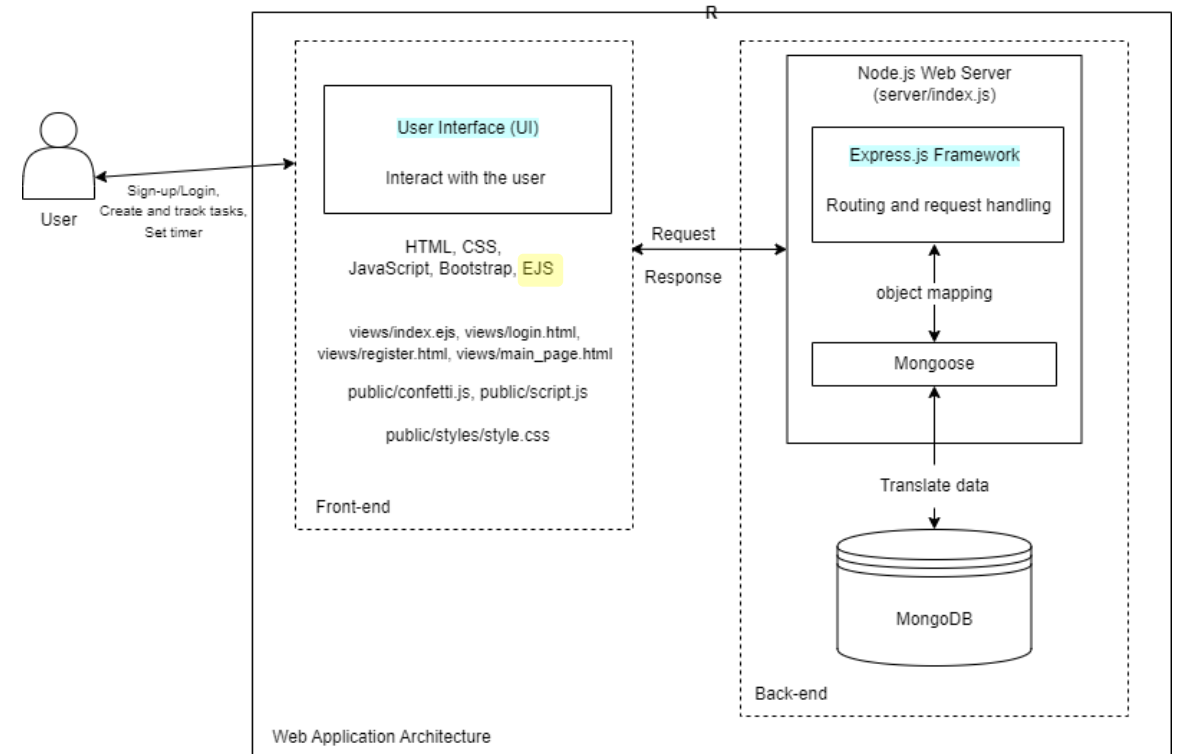
Not much was changed from the initial proposal. Only the usage of EJS templating language was added for facilitating rendering views.

EJS is very useful in functionality as it enables injecting dynamic content directly into the HTML views, and is compatible with JavaScript, Node.js and Express.js which are the main languages used.

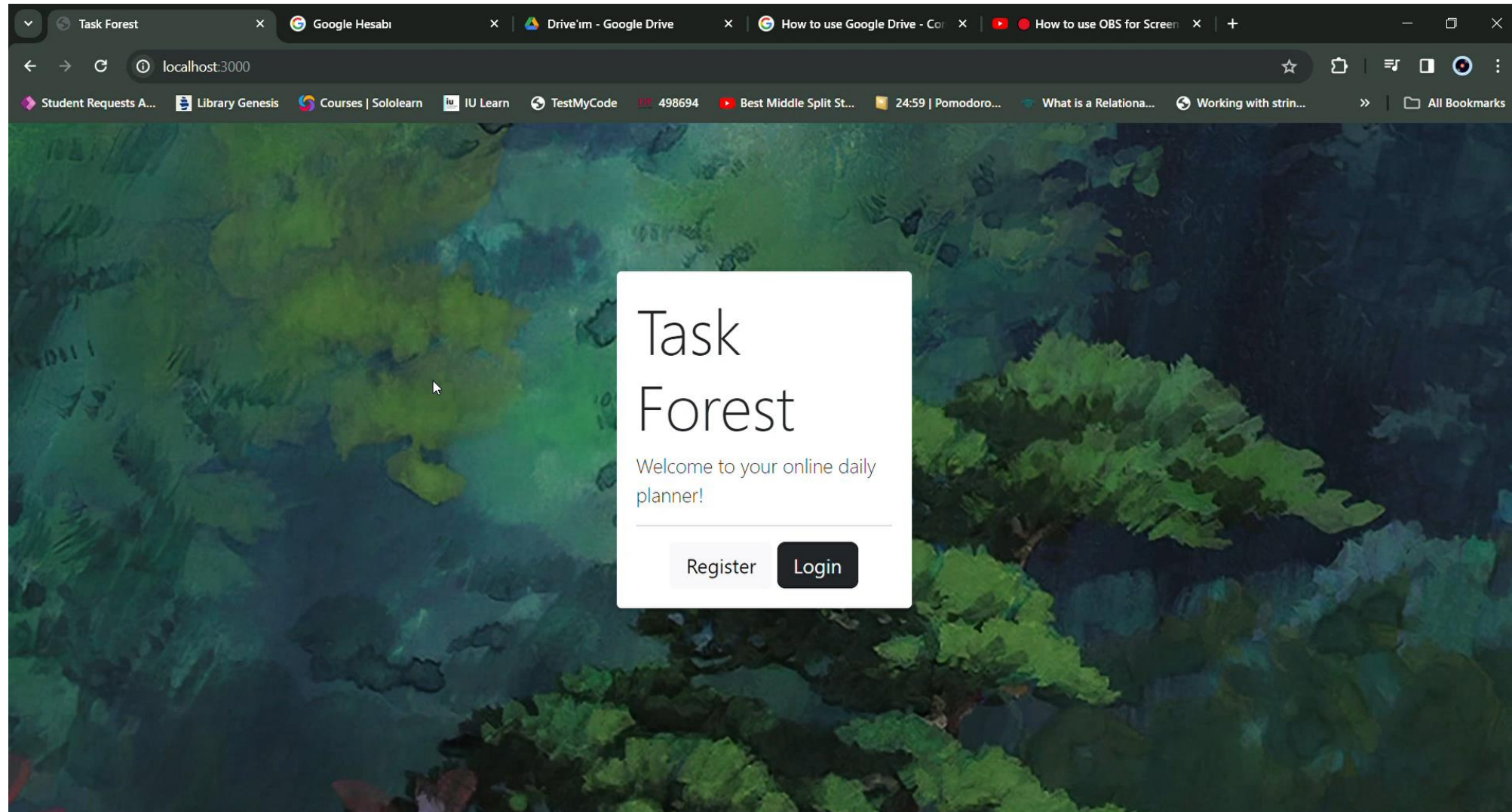
Old



New



Application Walkthrough



If the video cannot be played please access it through

https://drive.google.com/drive/folders/1FfL8033ykuS-oU8bR7_6bXc6SErjGLNN?usp=drive_link



THANK YOU

Zeynep Seyitoğlu