

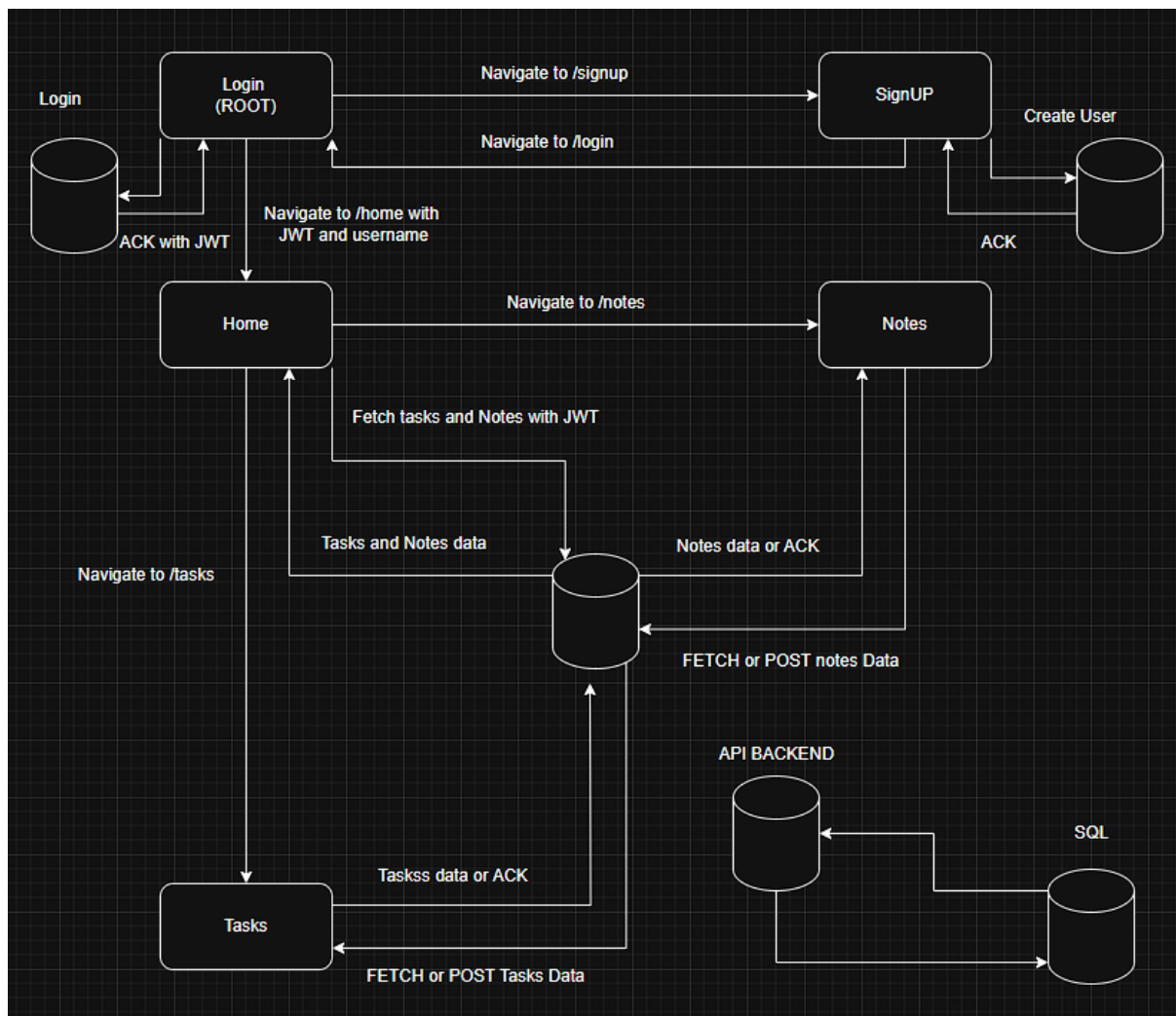
PERSONAL MANAGER

A simple React app using a Ruby Backend

Overview:

A simple webapp for a user to create, manage and store their necessary personal planning content. This app implements 2 basic management that includes the Tasks and Notes. More can be added and the website can be scaled. The webapp offers authorization to the user and user based content. The main home page includes just a view of all the tasks and notes. And each individual pages include a list along with a form for the user to add/ create new tasks or notes.

WorkFlow:



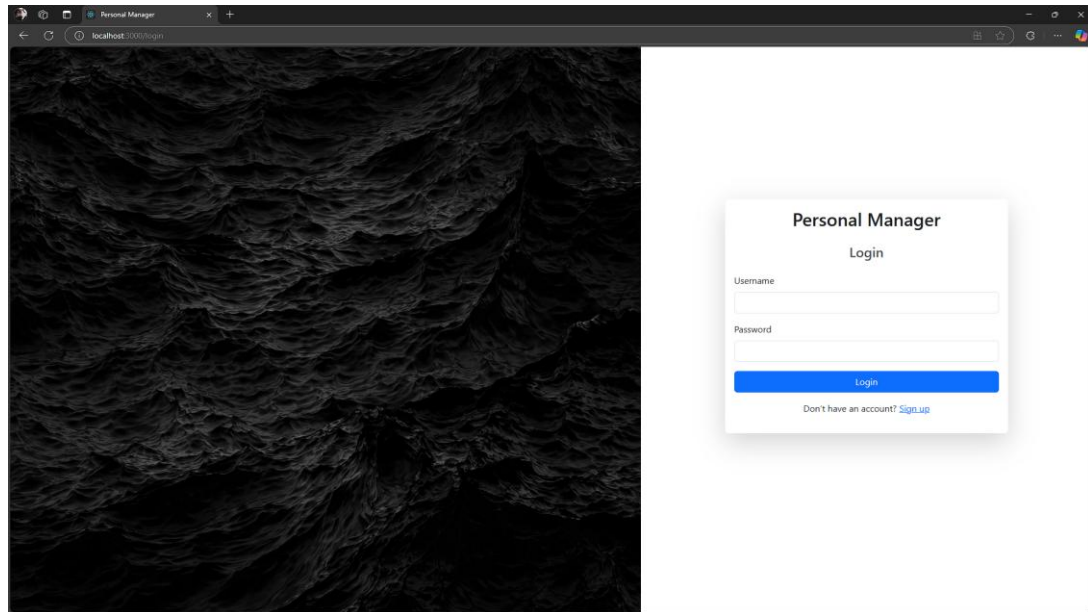
User End:

Login Page:

User enters Username and Password.

Error Handling: Invalid Credentials , Internal server Error

Routing: /login -> /home

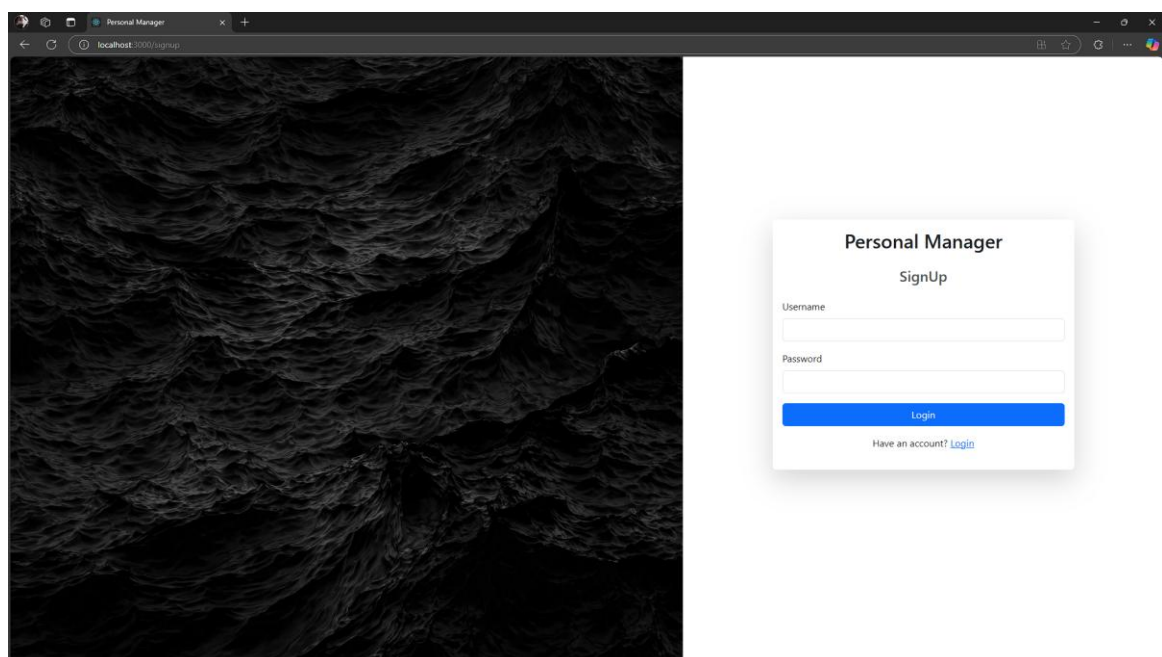


Sign up Page:

User enters Username and Password and creates a entry in the backend.

Error Handling: Username Exists , Internal server Error

Routing: /signup -> /login



Home Page:

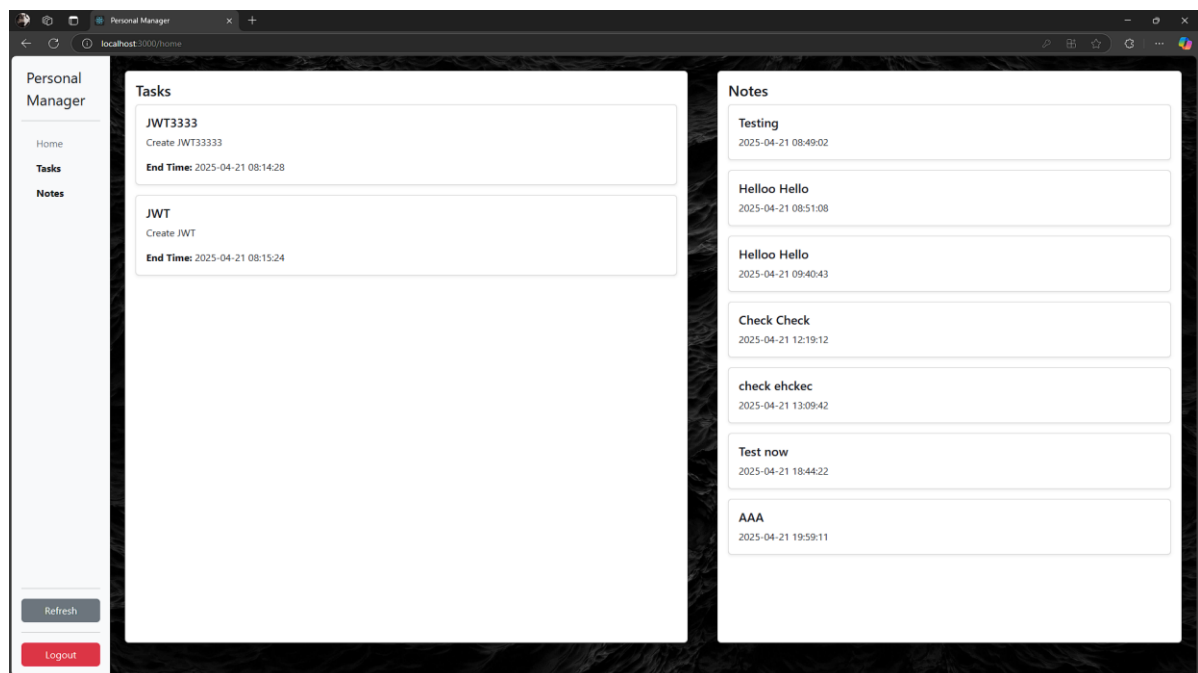
User can view the tasks and notes.

Error Handling: Server Error, Data Fetching Error

Routing: /home -> /tasks (TASK IN NAVBAR)

/home -> /notes (NOTES IN NAVBAR)

/home -> /login (Logout IN NAVBAR)



Task Page:

User can view the tasks and create a new task.

Error Handling: Server Error, Data Fetching Error, Data Posting Error.

Routing: /tasks -> /home (HOME IN NAVBAR)

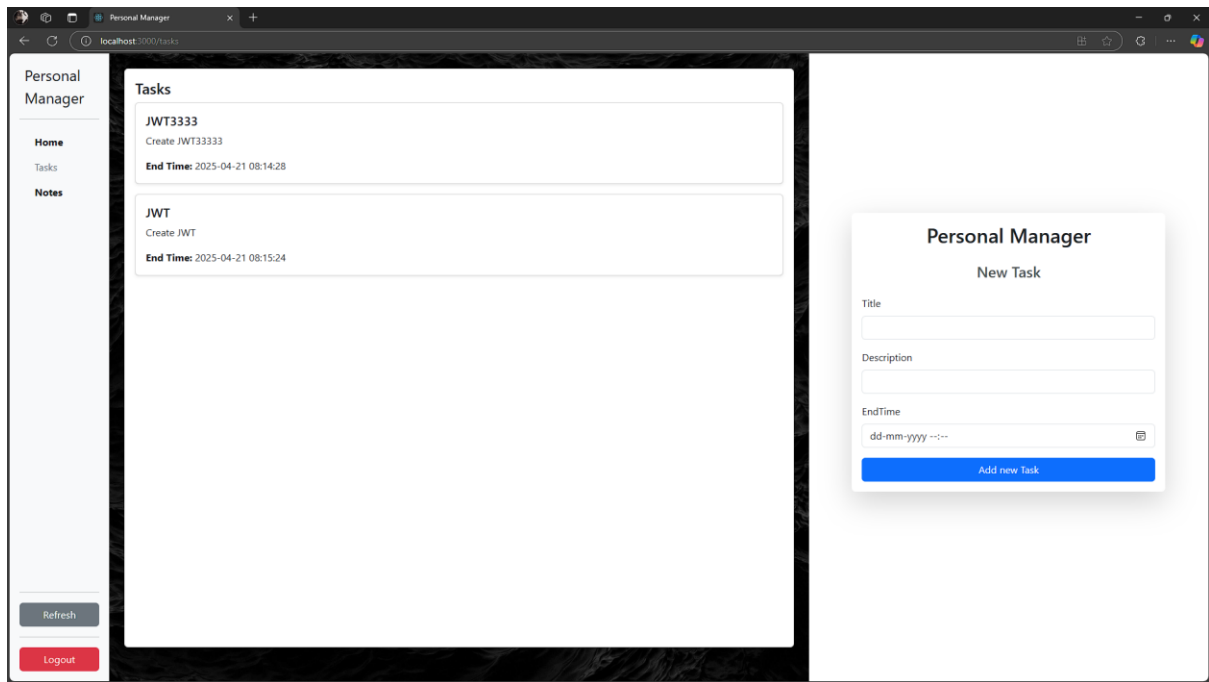
/tasks -> /notes (NOTES IN NAVBAR)

/tasks -> /login (Logout IN NAVBAR)

Functionalities:

Refresh -> Fetches data again

Add new Task- > POST to the backend with the token to create a new task.



Notes Page:

User can view the notes and create a new notes.

Error Handling: Server Error, Data Fetching Error, Data Posting Error.

Routing: /notes -> /home (HOME IN NAVBAR)

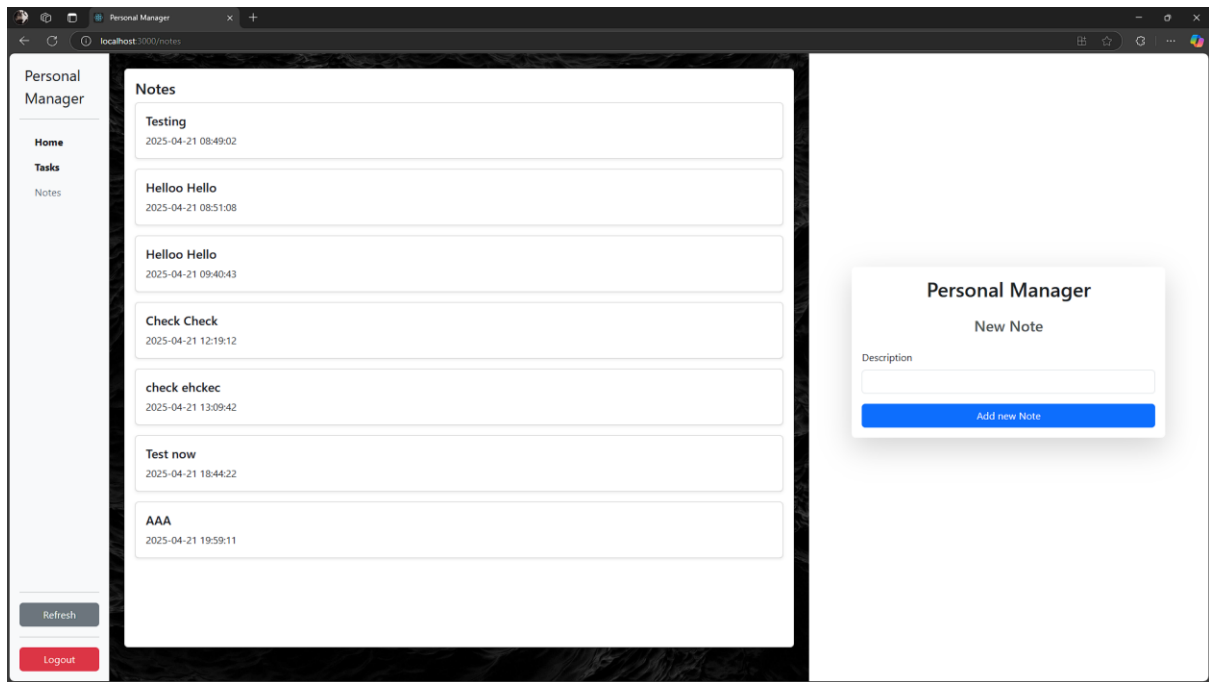
/notes -> /tasks (TASKS IN NAVBAR)

/notes -> /login (Logout IN NAVBAR)

Functionalities:

Refresh -> Fetches data again

Add new Notes- > POST to the backend with the token to create a new note.



BACKEND:

- Packages Used:
 - Sinatra
 - Sqlite3
 - Bcrypt
 - Rack-cors
 - JWT
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API CALLS:

POST Signup -> creates a new user with a username and password (bcrypt)

POST LOGIN -> authorizes the user with the given username and password and returns a JWT

POST TASKLIST -> Gets all the tasks for the username

POST TASKS -> Create a new Task

POST NOTESLIST-> Gets all the Notes for the username

POST NOTES -> Create a new Note
