

# Digital Wellness

COP-4331 Summer 2025

Group 3

# Our Team



Vance Algeria

API/Database



Ifunanya Eke

Front End (Mobile)



Melvin Joseph  
Louie Arul

Front End (Web)



Christian Morton

API/Database



Colton Santiago

Project Manager

# Our Project

- Helps users track their daily routine
  - Monitor how much time spent working, leisuring, sleeping
- Gives points to users who find a healthy balance
  - The most points are given to those who sleep well and give themselves time for work and leisure throughout their day
- Use the leaderboard to see how you stack up
- Promotes a balanced lifestyle



# Project Manager

- Coordinate meetings, communication
  - Use Google Docs to organize meeting topics
- Create models, diagrams, presentation
  - Help to describe systems to others
- Track group progress using gantt
- Guide project conversations

## Meeting 1 (6/18)

- Decide on roles (who wants to switch?)
  - Christian - Database/API
  - Colton - Project Manager
  - Vance - Database/API
  - Melvin - Front End
  - Ifunanya - Front End
- What are deliverables and how do we achieve them
  - What do we need to do before everyone can start
- What will our project do?
  - Theme? Title? Ideas?
- Look at project details posted on webcourses

# Front End

- Create the color palette and theme
- Develop an intuitive user interface
  - Page placement makes sense and is easy to navigate
- Design the website's art and layout

## LOGIN TO YOUR ACCOUNT

Email

Password

Login

Forgot Password

# API/Database

- Communication between the website and database
- Maintain leaderboard data
  - Activity algorithms
- Test endpoints in Swaggerhub
- Email verification, forgot password



Tools Used



Render



Figma



GoDaddy



Discord



Lucidchart



Vite

GANTTPRO



Flutter



GitHub



mongoDB



React



POSTMAN

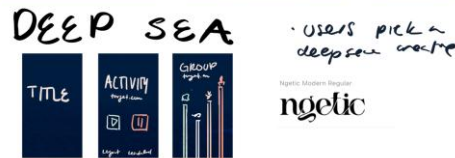
Google

# Low Fidelity Prototypes

①



②



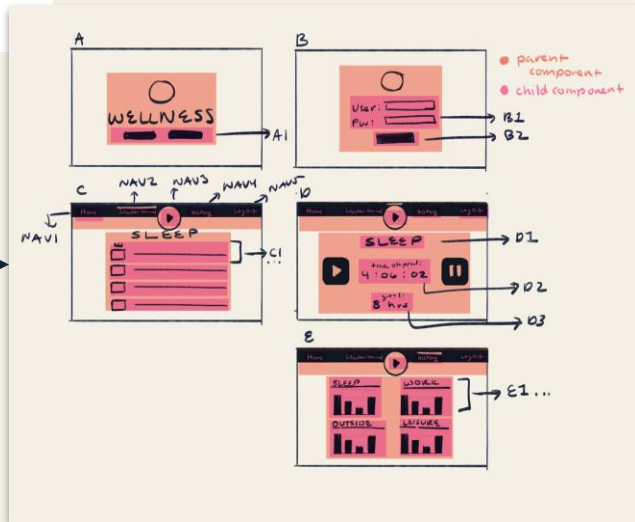
③



Simple Minimalism



Advent Pro Variable (3 axes) | Vivaado  
Everyone has the right to freedom of th



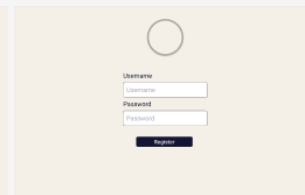


# High Fidelity Prototype

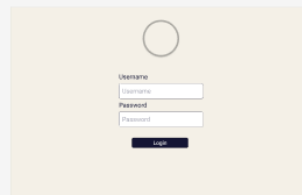
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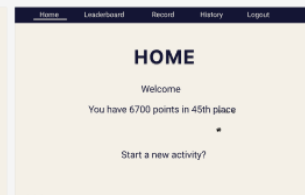
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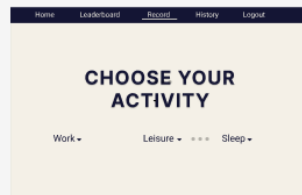
MacBook Pro 14" - 2



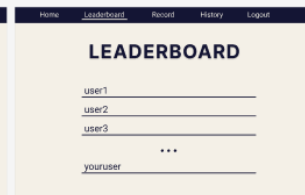
MacBook Pro 14" - 7



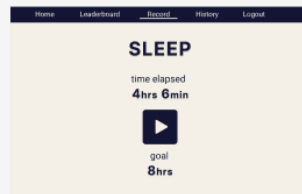
MacBook Pro 14" - 3



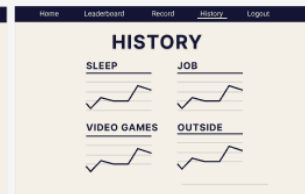
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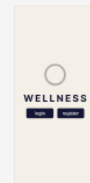
MacBook Pro 14" - 4



MacBook Pro 14" - 5



Ma...



Ma...



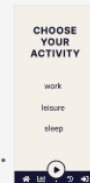
Ma...



Ma...



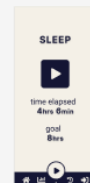
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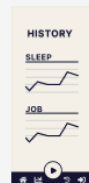
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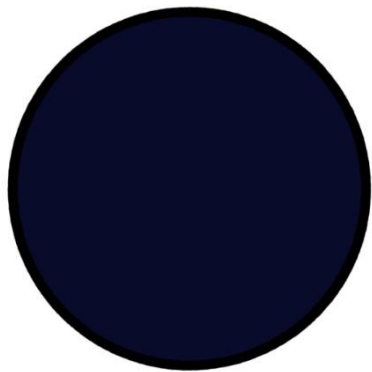
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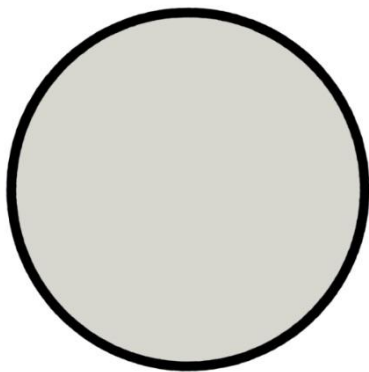
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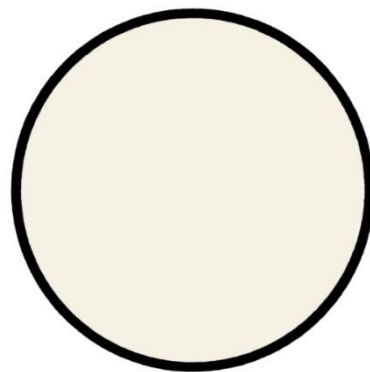
## Color Palette



**0b0e2a**



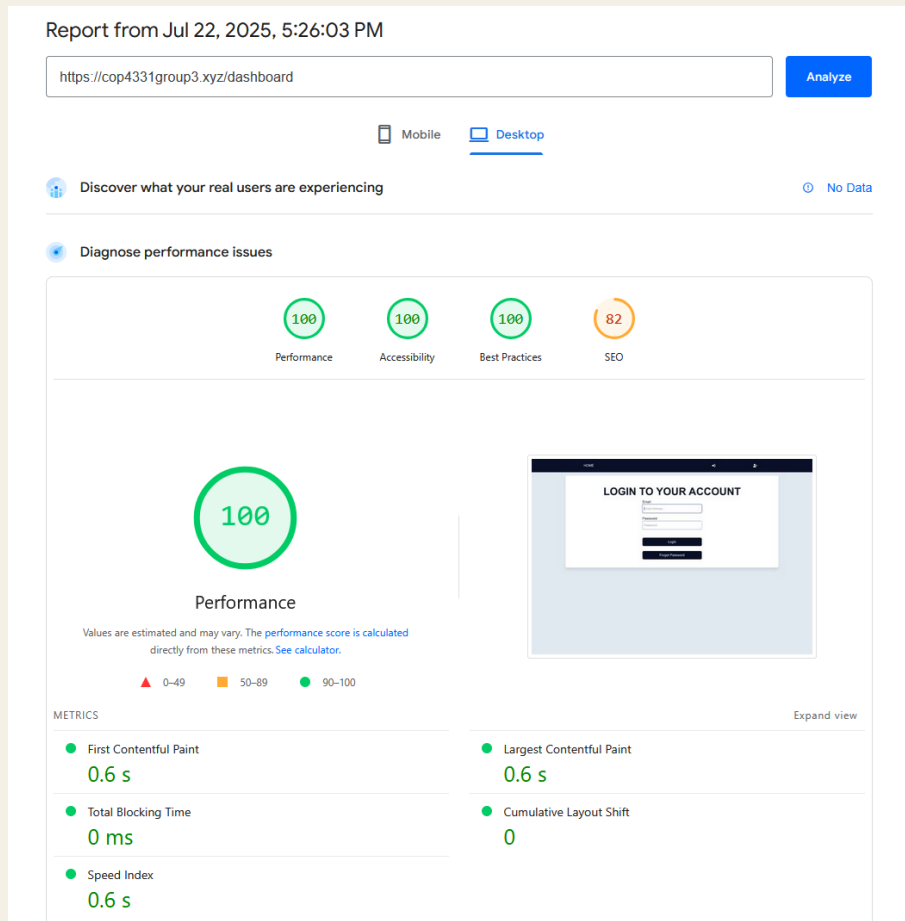
**d8d7d0**



**f4f0e6**

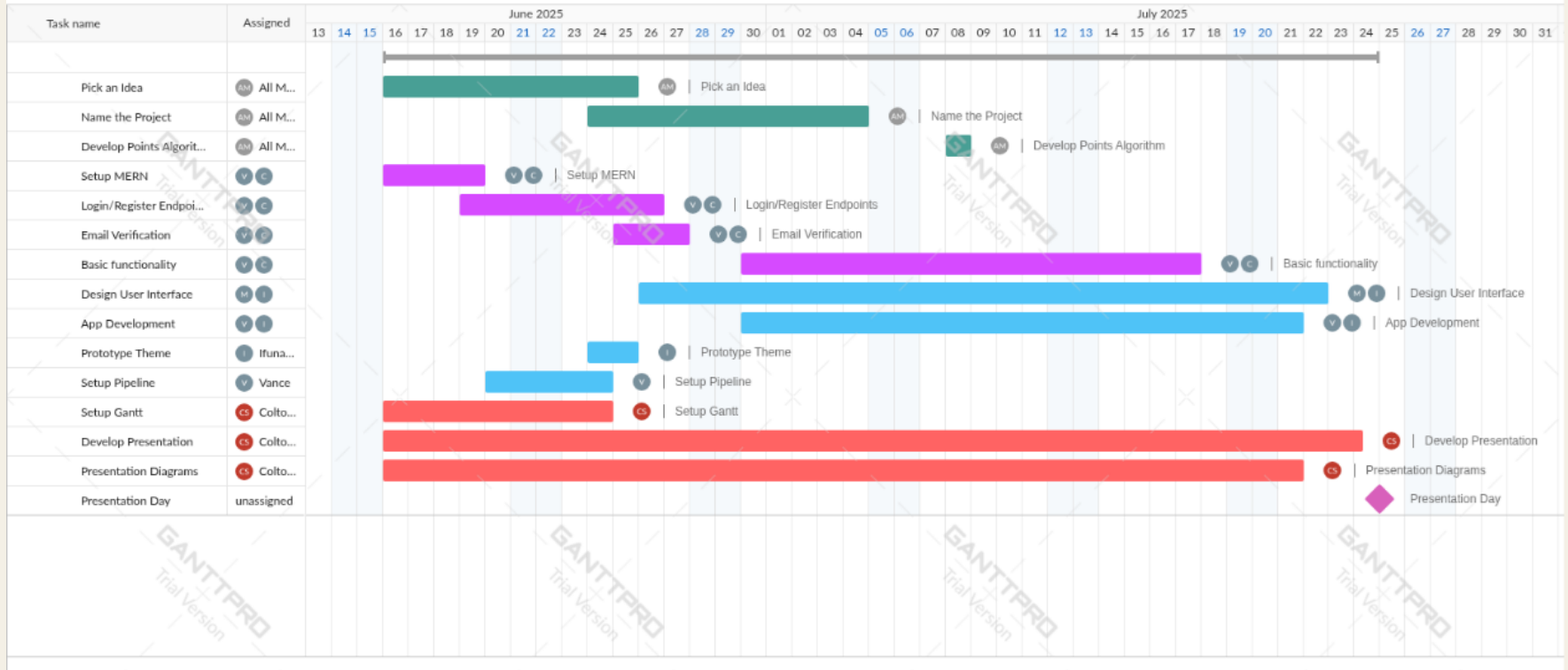
# Lighthouse report

- 100% in all fields except SEO
- High contrast and simplistic user interface promotes accessibility and performance

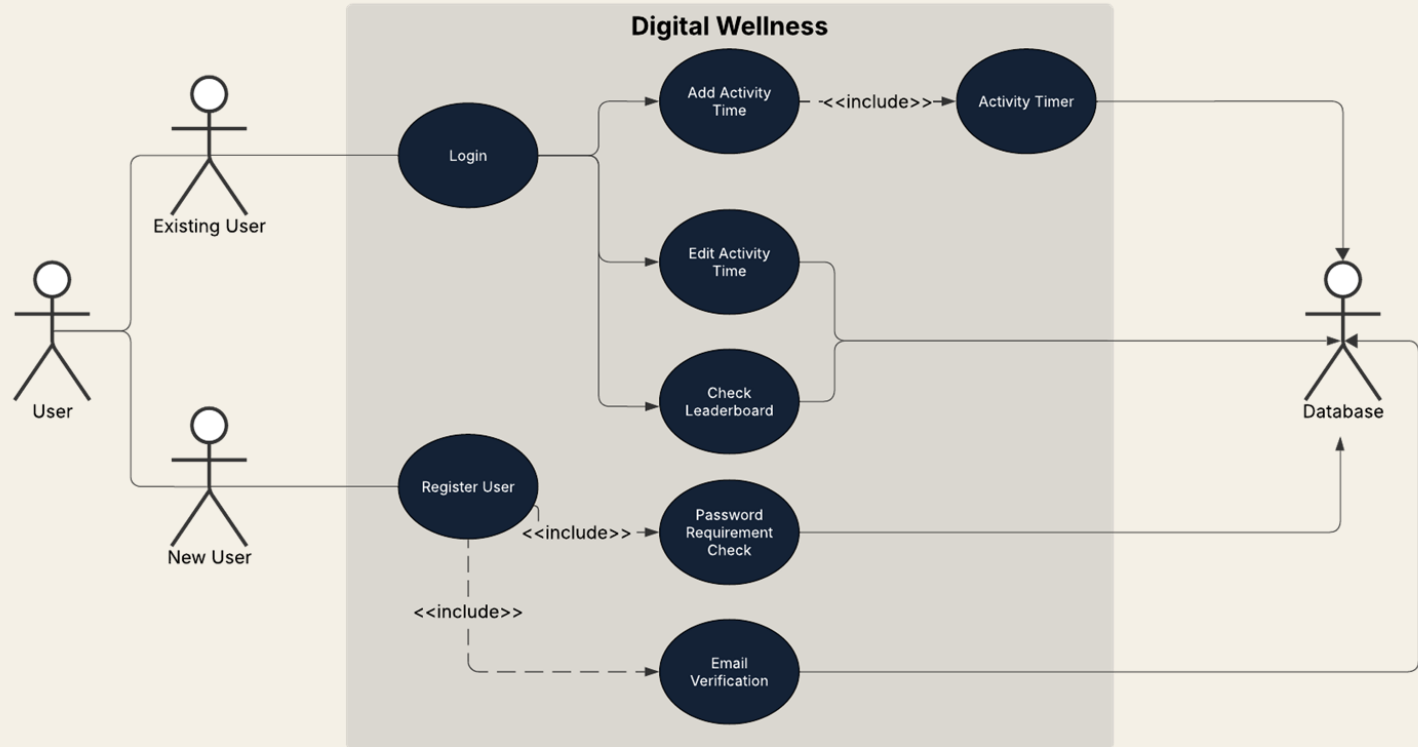


# Gantt Chart

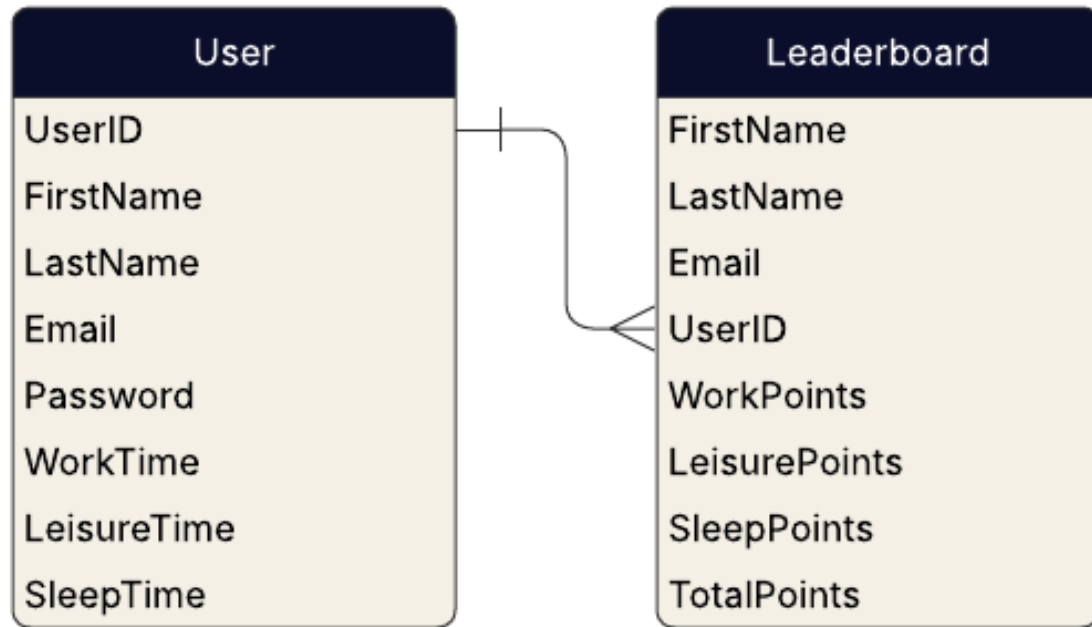
COP4331 Group 3 Large Project | LargeProject



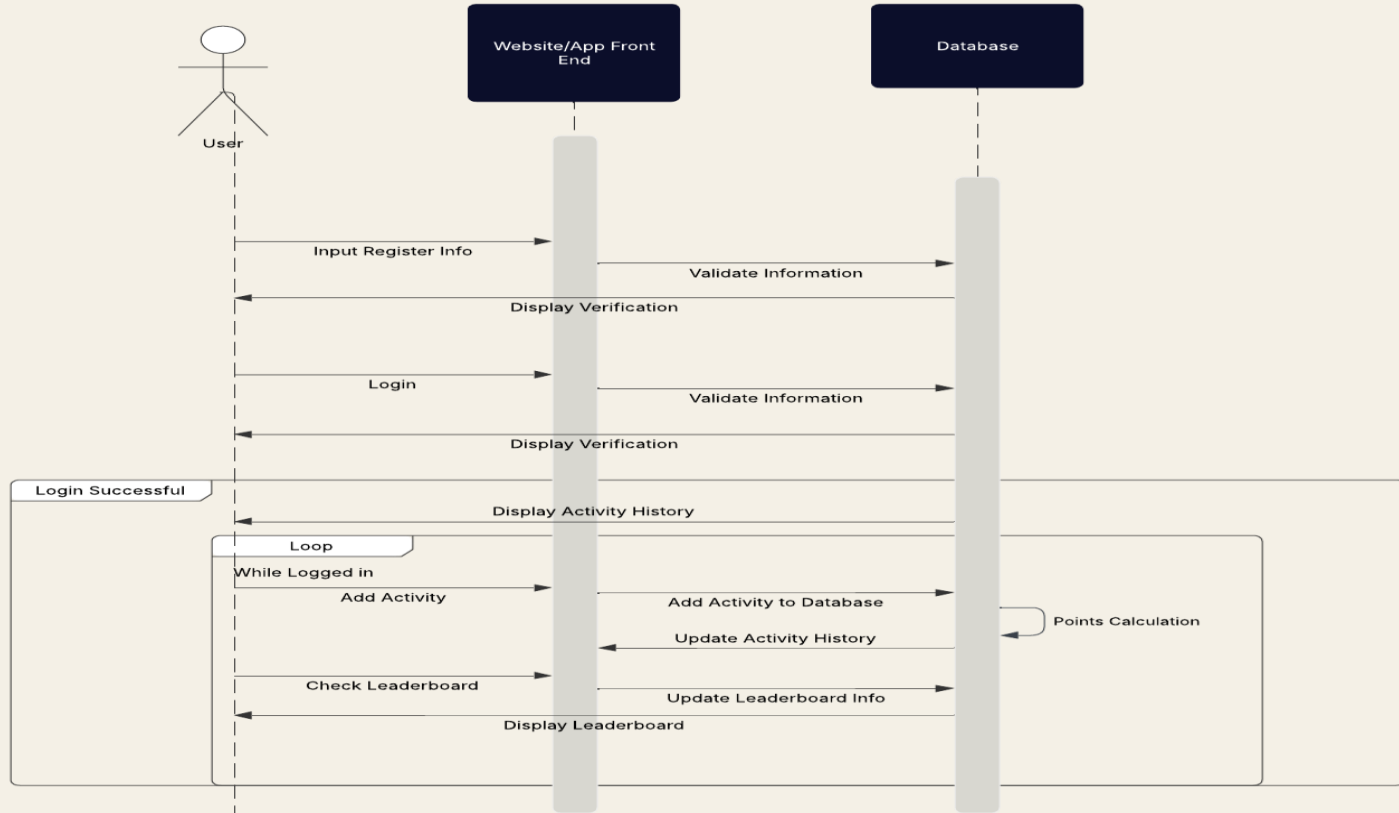
# Use Case Diagram



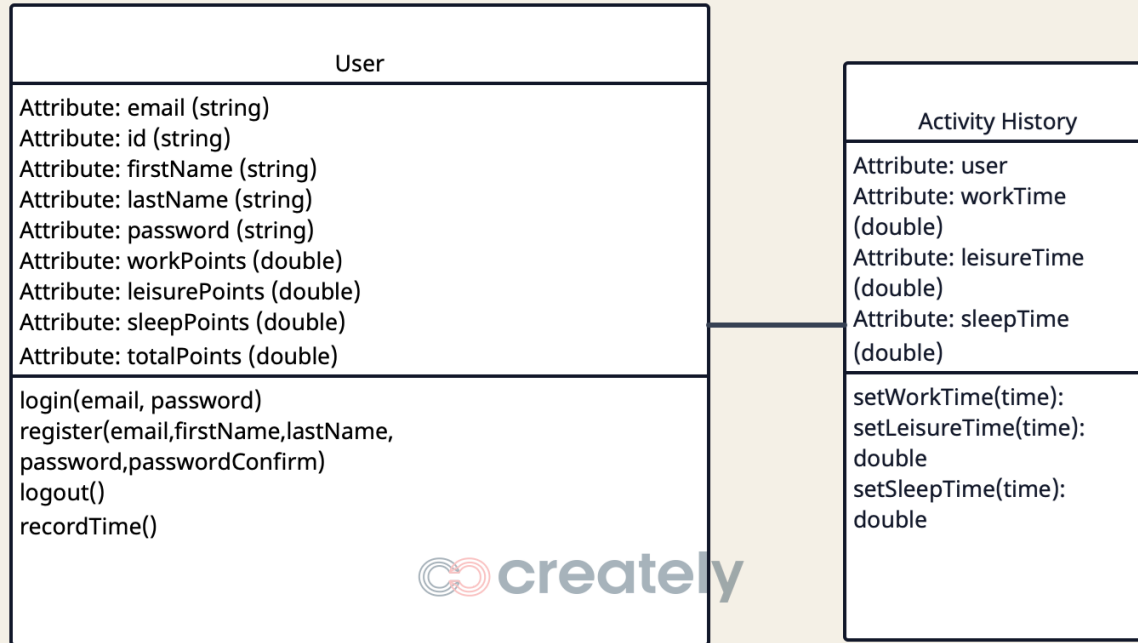
# ERD



# Sequence Diagram



# Class Diagram





# Unit Testing Demonstration

Test ID	Function Name	Web/App	Description
1	AuthRoutes	Web	Check user exist, show the routes otherwise redirect to Login page
2	GuestRoutes	Web	Check user NOT exist, show the routes otherwise redirect to Login page
3	ValidRoutes	Web	Only allow access if user.valid === 2
4	registerUser	Web	Register a User using fields firstName, lastName, email, password
5	loginUser	Web	Log in a User using the fields email and password
6	handleEdit	App	Sends user to the edit page
7	retrieveData	App	Check if you can retrieve user data based on userID
8	resetTimer	App	Sets the time in the timer (record) to 0

Test Input	Expected Output	Actual Output	Pass/Fail	Date Tested	Tester
687ef6c165941466969b8555	Login redirect	Login redirect	Pass	2025-07-15	Vace
687ef6c165941466969b8555	Routes shown	Routes shown	Pass	2025-07-15	VA
687ef6c165941466969b8555	Allow	Allow	Pass	2025-07-15	VA
test, test, test@test.test, test	Valid: True	Valid: False	Fail	2025-07-21	MJLA
test@test.test, test	Valid: True	Valid: False	Fail	2025-07-21	MJLA
ActivityId	Edit Page	Edit Page	Pass	2025-07-18	IE
687ef6c165941466969b8555	Minutes shown	Minutes shown	Pass	2025-07-18	IE
None	Timer=0	Timer=0	Pass	2025-07-18	IE

# What Went Well

- Tracking progress using gantt
- Communicating project specifications

# What Went Worse

- JWT
- MERN Deployment
- Mobile App code lost

# Website, App Demo

[Website Link](#)

# API Endpoints Demo

[Swaggerhub Link](#)

**Questions?**