

CVW0 Planning

Use Cases

System: Task Management Application (TMA)

Use case: Sign up for account

Actor: User

MSS:

1. User chooses to sign up for TMA account.
 2. TMA requests for details of the new account. (e.g username, email, password)
 3. User enters the requested details.
 4. TMA requests for confirmation.
 5. User confirms.
 6. TMA adds new account to the database.
 7. TMA redirects User to dashboard page.
- Use case ends.

System: Task Management Application (TMA)

Use case: Log in to account

Actor: User

MSS:

1. User chooses to log in into existing in TMA
 2. TMA requests for details of the account. (eg username, email, password)
 3. User enters the requested details.
 4. TMA requests for confirmation.
 5. User confirms.
 6. TMA checks database for the account.
 7. If account exist with same password, TMA redirects User to dashboard page.
 8. Else if account does not exist or wrong password displays error message.
- Use case ends.

System: Task Management Application (TMA)

Use case: Add new Task

Actor: User

MSS:

1. Logged in User chooses to add new task.
 2. TMA requests for details of the new task. (eg name, description, deadline, category)
 3. User enters the requested details.
 4. TMA requests for confirmation.
 5. User confirms.
 6. TMA adds new task to the database and display new task.
- Use case ends.

System: Task Management Application (TMA)

Use case: Modify existing Task

Actor: User

MSS:

1. Logged in User chooses to modify existing task.
 2. TMA displays task that user wish to modify.
 3. TMA request user to modify the task.
 4. User enters the requested details.
 5. TMA requests for confirmation.
 6. User confirms.
 7. TMA adds modify the task on the database and display the updated task.
- Use case ends.

System: Task Management Application (TMA)

Use case: Delete Task

Actor: User

MSS:

1. Logged in User chooses to delete task.
 2. TMA requests for confirmation.
 3. User confirms.
 4. TMA delete the task on the database and remove the task from the display.
- Use case ends.

System: Task Management Application (TMA)

Use case: Add Task category

Actor: User

MSS:

1. Logged in User chooses to add new task category.
 2. TMA requests for details of the new category.
 3. User enters the requested details.
 4. TMA requests for confirmation.
 5. User confirms.
 6. TMA adds new category on the database and display new task category.
- Use case ends.

System: Task Management Application (TMA)

Use case: Delete Task Category

Actor: User

MSS:

1. Logged in User chooses to delete category.
 2. TMA requests for confirmation.
 3. User confirms.
 4. TMA delete the category on the database and remove it from the display.
- Use case ends.

System: Task Management Application (TMA)

Use case: Filter tasks shown based on category

Actor: User

MSS:

1. Logged in User chooses to filter task shown based on chosen category.
 2. TMA requests for confirmation.
 3. User confirms.
 4. TMA display tasks that are in the chosen category.
- Use case ends.

System: Task Management Application (TMA)

Use case: Change password for account

Actor: User

MSS:

1. Logged in User chooses to change password.
 2. TMA requests for details of the new password.
 3. User enters the requested details.
 4. TMA requests for confirmation.
 5. User confirms.
 6. TMA modify the account's password on the database
- Use case ends.

TMA Implementation Plan

Frontend (hosted on Heroku)

- Bootstrap HTML (for easier styling)
- React JS

Backend (hosted on Heroku)

- Ruby on Rails with PostgreSQL(Acts like RESTful API)

So there will be 2 separate Heroku websites, 1 for the react frontend while the other is the Ruby on Rails backend that act as an API.

Written by: Png Yi Wei Jonas (A0233271N)