Acceptance Test Casing:

Name: Login

Trigger: User attempting to login by entering email and password

Precondition: Has to be already signed up with an email and password in the database.

Successful Path:

1. User types in an email and then types in a password and then clicks the login button.
2. User’s email and password is in the database and validated.
3. User logins successfully and ProjectHelper homepage is displayed

Failed Path:

1. User types in an email and then types in a password and then clicks the login button.
2. User’s email and password is not in the database and not validated.
3. User will be prompted to re-enter email and password.

Requirements:

1. User Input Fields: the login page will have input fields for the username and password and will also have a login button.
2. Username and Password Validation: the system will validate if the username and password entered is correct. If not, the login page displays an appropriate error message.
3. Secure Password Handling: Passwords will be stored in the database and held securely.

Name: Project Generation Service

Trigger: User inputting their specifics for the project generator

Precondition: User has logged in.

Path:

1. Users will enter specific details about project.
2. The system generates a project idea and sends the README content to the user.
3. If user requests repository creation then the system initializes github repo with the README.

Requirements:

1. User Input Fields: the project generation service must have fields provided for user input.
2. Open AI API Integration: The service must interact with OpenAI API to generate project ideas.
3. GitHub Integration: The service must be able to interact with GitHub in creating repositories with the README.
4. Error Handling: The service will provide the appropriate feedback if errors occur during project generation and repository generation.