

**Introduction:** We appreciate your participation in this project. Please review the following tasks and questions carefully and provide detailed responses. We look forward to reviewing your answers.

### Frontend Development:

1. Create a responsive webpage with the following features:
  - a. A fixed navbar that does not move when scrolling.
  - b. Below the navbar, create three sections: a left menu, a main content area, and a right-side panel.
  - c. Include a footer at the bottom.
  - d. Make the left menu collapsible.
2. For the same webpage, write a JavaScript function that does the following:
  - a. If the screen width is between 992px and 1600px, shrink the page by 90%.
  - b. If the screen width is between 700px and 767px, shrink the page by 80%.
  - c. If the screen width is between 600px and 700px, shrink the width to 75%.
  - d. If the screen width is less than or equal to 600px, shrink the width to 50%.

### Django:

1. Develop a chat application with the following features:
  - a. Users can sign up and log in.
  - b. Display all registered users in a collapsible left menu.
  - c. Allow the logged-in user to select any user from the menu and initiate a chat.
  - d. Store all user data and chat messages in the database.
  - e. Retrieve and display old messages in the chat interface.
  - f. Use a WebSocket for chat application.
  - g. Ensure the chat interface is user-friendly and functional.

### AWS:

1. Write an AWS Lambda function that adds two numbers and returns the result.
2. Code an AWS Lambda function to store a document or PDF file in an S3 bucket.

### Submission Guidelines:

1. Add codes to a GitHub repository and share the URL.
2. Include a README file in the GitHub repository with instructions on how to run the project.
3. Host the Django project, including the frontend, on the PythonAnywhere or AWS (<https://www.pythonanywhere.com/>).
4. Email the GitHub link and the PythonAnywhere link to Hr@enfund.io.

**Deadline for submission: 16/01/2025 by 8 PM.**