

**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 to create a 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 .
2. Include a README file in the GitHub repository with instructions on how to run the project.
3. Host the Django project, including the front end, on PythonAnywhere, Vercel, netlify app, or on render. Make sure you provide appropriate access. **Your assignment will only be considered if it has been hosted.** (<https://www.pythonanywhere.com/>).
4. Specify github links as well as hosted links related to each task separately in the Assignment link field while submitting on Internshala (as shown below)

### Submit assignment



 Upload file

Maximum combined file size 50 MB • Only zip, pdf, doc, ppt, xls, png, jpg, mp3, mp4 allowed

Assignment link 

Paste URL

Add

Add notes

Please find my assignment attached.

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Submit

**Deadline for submission:** We are evaluating the assignments and scheduling interviews on first-come, first-serve. Please submit your assignment as soon as you can.