

Deployment and Environment Setup of Instant Basket

Introduction

The purpose of this document is to summarize the activities, steps, and requirements for Day 6 of the Instant Basket Hackathon.

This stage focuses on the deployment preparation, staging environment testing, documentation, and final review of the project.

Below are the details of each step involved in this process.

Checklist for Day 6

1. Deployment Preparation: Ensure all necessary configurations are completed for successful deployment.
2. Staging Environment Testing: Verify the functionality of the project in the staging environment.
3. Documentation: Create a structured documents folder containing all required files and a README.md file summarizing the activities.
4. Form Submission: Ensure all forms are filled and submitted correctly.
5. Final Review: Conduct a thorough review of the project and make any necessary adjustments before submission.

Steps and Requirements

1. ****Staging Environment Deployed Link****:
 - Deploy the project to the staging environment.
 - Ensure that the deployment is accessible through a public link.

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2. ****GitHub Repository****:

- Create a new GitHub repository with the following structure:
 - a. A `documents` folder containing all documents from Day 1 to Day 6.
 - b. A test case report in CSV format.
 - c. Performance testing results.
 - d. Organized project files.

3. ****README.md File****:

- Summarize all project activities and folder structure in the README file.
- Ensure the file provides clear instructions on how to use and test the project.

4. ****Documentation Details****:

- Include descriptions of deployment steps, testing results, and any challenges faced during the process.
- Provide a performance analysis summary based on testing results.

5. ****Submission Deadline****:

- Ensure all tasks are completed and submitted by 22 January 2025 at 11:59 AM.

Deployment Preparation

- Validate the project structure to ensure all necessary files are included.
- Configure environment variables and dependencies required for deployment.
- Test the deployment process in a local environment to avoid last-minute errors.

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Staging Environment Testing

- Perform end-to-end testing to verify the functionality of all features.
- Conduct usability tests to ensure the application meets user requirements.
- Report and fix any bugs or issues identified during testing.

Performance Testing

- Use tools to measure the performance of the application in terms of speed, scalability, and responsiveness.
- Document the performance metrics in a structured format (e.g., CSV) and include them in the GitHub repository.

Final Review

- Conduct a comprehensive review of the project to ensure all requirements are met.
- Verify the quality and accuracy of the documentation.
- Ensure the project is ready for deployment and submission.