

6 Months Training TR-104 Full Stack Development

January, 2026

Day 5 Report

The fifth day of the training focused on assisting our supervisor (senior engineer) in testing and verification of a live web project. The session emphasized gaining real-world exposure by understanding how live applications are tested from both user and administrator perspectives. The activities helped bridge the gap between development concepts and practical quality assurance workflows followed in industry environments.

Live Project Testing and Validation

The primary task for the day involved testing a live website under the guidance of the mentor/supervisor. Testing was performed from two major viewpoints:

1. User-Side Testing

From the user's perspective, the website was tested to ensure:

- Pages were loading correctly
- Navigation and routing between pages functioned as expected
- Links redirected to appropriate sections
- Content visibility and layout behaved properly across different sections
- User experience was smooth and logical

Special attention was given to verifying whether routing between pages was correct and whether the displayed data matched the intended functionality.

2. Admin Panel Testing

Testing was also conducted through the admin panel to validate backend functionality and content management operations. Tasks included:

- Adding valid dummy data through admin forms
- Checking whether newly added data was reflected correctly on the user-facing website
- Verifying that data entries were stored and retrieved properly
- Ensuring that changes made in the admin panel updated the corresponding frontend sections accurately

This helped in understanding how frontend and backend systems are connected in a live environment.

Data Validation and Content Accuracy

A key focus of the testing process was data validation. This included:

- Entering structured and meaningful dummy data
- Confirming that data appeared correctly on relevant pages
- Verifying consistency between admin inputs and frontend display
- Identifying issues related to missing content, incorrect formatting, or improper rendering

Instruction-Based Testing

All testing activities were performed according to the instructions provided in the reference document shared by the mentor/supervisor. Each listed requirement was carefully checked to ensure:

- Functional correctness
- Proper routing and navigation
- Accurate data handling
- Alignment with expected website behavior

Any discrepancies or issues identified during testing were noted and communicated for further improvement.

Key Learnings

- Understood real-world testing workflows used in live projects
- Learned to test applications from both user and admin perspectives
- Gained experience in validating routing and navigation flow
- Learned the importance of verifying data consistency between admin and frontend
- Practiced adding and validating structured dummy data
- Understood how frontend and backend systems interact in production environments
- Learned how to identify and report issues during testing

Conclusion

The fifth day of training provided valuable hands-on exposure to real-world website testing and validation processes. By assisting our supervisor (senior engineer) with live project testing, participants gained practical insight into quality assurance practices, data verification, and routing validation. This experience enhanced understanding of how production-level websites are reviewed, tested, and refined before and after deployment, contributing to overall professional growth and industry readiness.