Training Day 29 Report

The twenty-ninth day of Web Development training focused on final testing and debugging of the Alumni Management Portal. We performed end-to-end checks on all functionalities to ensure the portal is stable, functional, and ready for presentation.

1. Functional Testing

Tested registration form: checked field validations and data insertion

Verified login/logout process: ensured secure session handling

Checked view/add alumni modules for data accuracy

Reviewed feedback form and admin feedback viewer

Identified and fixed minor issues like broken links, form input errors, and UI misalignments.

2. Debugging Techniques

Used browser developer tools (Inspect Element, Console) to debug HTML/CSS

Echoed variables and used var_dump() in PHP for backend debugging

Handled form submission errors with user-friendly messages

Ensured all SQL queries were safe and properly structured

3. Hands-on Practice

Ran full portal simulation as both user and admin

Corrected navigation inconsistencies

Cleaned unnecessary files and code

Checked mobile responsiveness and cross-browser compatibility

4. Relevance to Project

Final testing is essential to deliver a bug-free and smooth experience. It ensures that all portal features—registration, alumni management, feedback system, and authentication—work correctly before the final submission or deployment.

5. Learning Outcomes

Learned structured methods of testing a web project

Improved error-handling and debugging skills

Gained experience in quality assurance for full-stack development

Prepared the portal for final documentation and review

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