Project Title: Academic feedback system

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Documentation and Reporting

Technical Report

This technical report provides a concise summary of the **Academic feedback System**, outlining its design, implementation, and outcomes. The project was conceived to solve the problem of inefficient and non-actionable student feedback. The final system, built using PHP and MySQL, is a functional prototype that meets all the defined objectives.

The system uses a simple three-tier architecture:

1. **Front-End:** The user interface for both students and the HOD, built with HTML, CSS, and JavaScript.
2. **Back-End:** The logic layer, powered by PHP, which handles all data processing and security.
3. **Database:** A MySQL database for secure data storage.

This modular design was crucial for maintaining a clean and organized codebase. Key functionalities include secure user authentication, anonymous feedback submission, and a dynamic dashboard that visualizes data in real-time. The system underwent a thorough testing process, including unit tests to validate individual functions and integration tests to ensure that all components work together seamlessly. Performance metrics were monitored to confirm a fast and reliable user experience.

User Manual

This manual provides a quick guide for using the **Faculty Feedback and Analytics System**.

How to Submit Feedback (for Students)

1. Open your web browser and navigate to the system's URL (e.g., `http://localhost/feedback-system/`).
2. Log in using the credentials provided by the administrator. Your feedback will be kept completely anonymous.
3. On the dashboard, you will see a list of available feedback forms for your courses. Click on the one you wish to complete.
4. Answer the questions for each section (Teaching, Assessments, Events) using the provided rating scales. You can also add comments.
5. Click the **"Submit"** button at the bottom of the form. A confirmation message will appear to let you know your feedback has been successfully submitted.

Basic Troubleshooting

- **Problem:** The form does not submit.
  - **Solution:** Make sure all required fields are filled out. Check your internet connection.
- **Problem:** The dashboard does not load.
  - **Solution:** Ensure the local server (XAMPP) is running. If it is, clear your browser's cache and try again.

Code Documentation

The project's codebase is structured to be simple and easy to understand. The core files are organized into two main folders: `frontend/` and `backend/`.

- **/frontend/:** This folder contains all the user-facing files, including the HTML for the student form and the HOD dashboard.
- **/backend/:** This folder holds all the PHP files that handle server-side logic, database interactions, and security.

Each key function within the PHP files includes inline comments to explain its purpose and how it works. For example, the `save_feedback.php` script contains comments that describe the data validation and sanitization process.

The main dependency for this project is the MySQL extension for PHP, which is used to connect to and interact with the MySQL database. This is a standard part of most PHP installations and makes the project easy to set up and run.

Conclusion

The documentation and reporting component of this project serves as a clear record of its development. By providing a concise technical report, a user-friendly manual, and clear code documentation, I have ensured that the project is not only functional and robust but also accessible and easy to understand for all stakeholders.