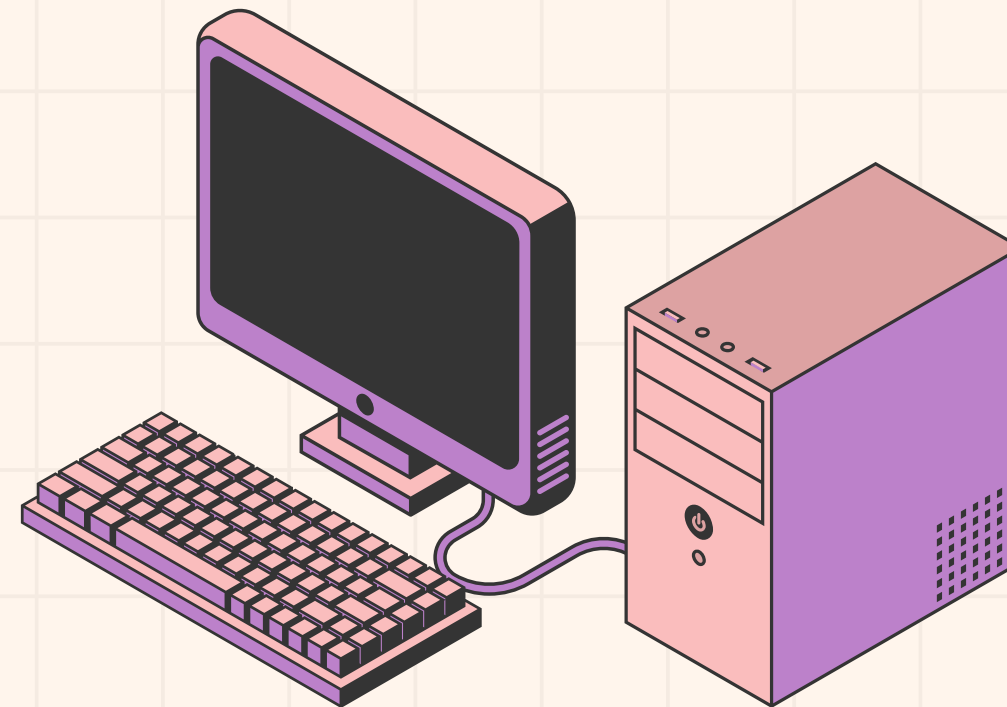




DIU LAB PORTAL



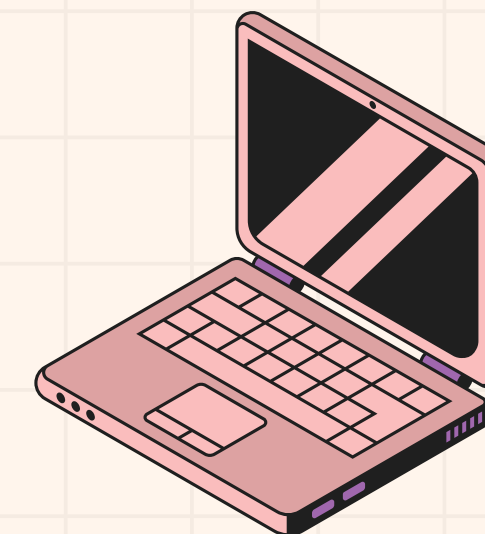
Submitted to :

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What is it?

DIU Lab Portal is a web-based platform designed to streamline and simplify the process of reporting and resolving PC-related issues within a university setting. It eliminates the need for students and faculty to call the IT support team, providing a more efficient and organized way to report technical problems.



Purpose:

- The primary purpose of the DIU Lab Portal is to
- :Provide a centralized platform for students and users to report problems in lab PCs.
- Allow administrators to monitor, update, and manage the status of each PC.
- Maintain historical records of problems reported for each PC for future analysis
- .Improve communication between users and administrators.
- Enhance overall lab efficiency and user satisfaction through timely maintenance and transparency.



Technological Breakdown

The system integrates a variety of advanced technologies to ensure robustness, scalability, and efficiency:

Frontend Technologies:

HTML, CSS, and JavaScript: Facilitate a dynamic and interactive user experience.

Backend Technologies:

PHP : Offers a secure and efficient backend architecture for managing business logic and system operations.

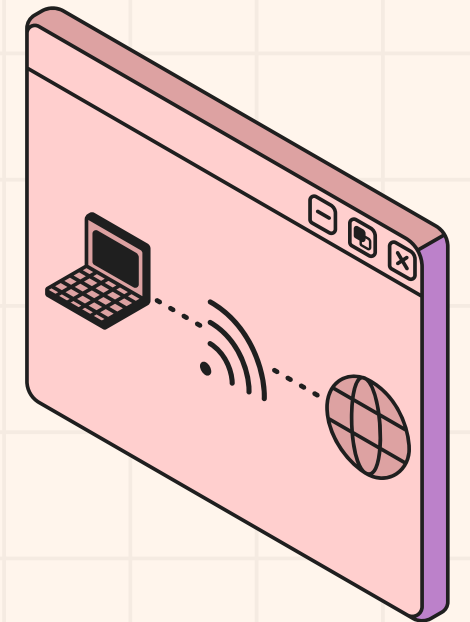
Database Management:

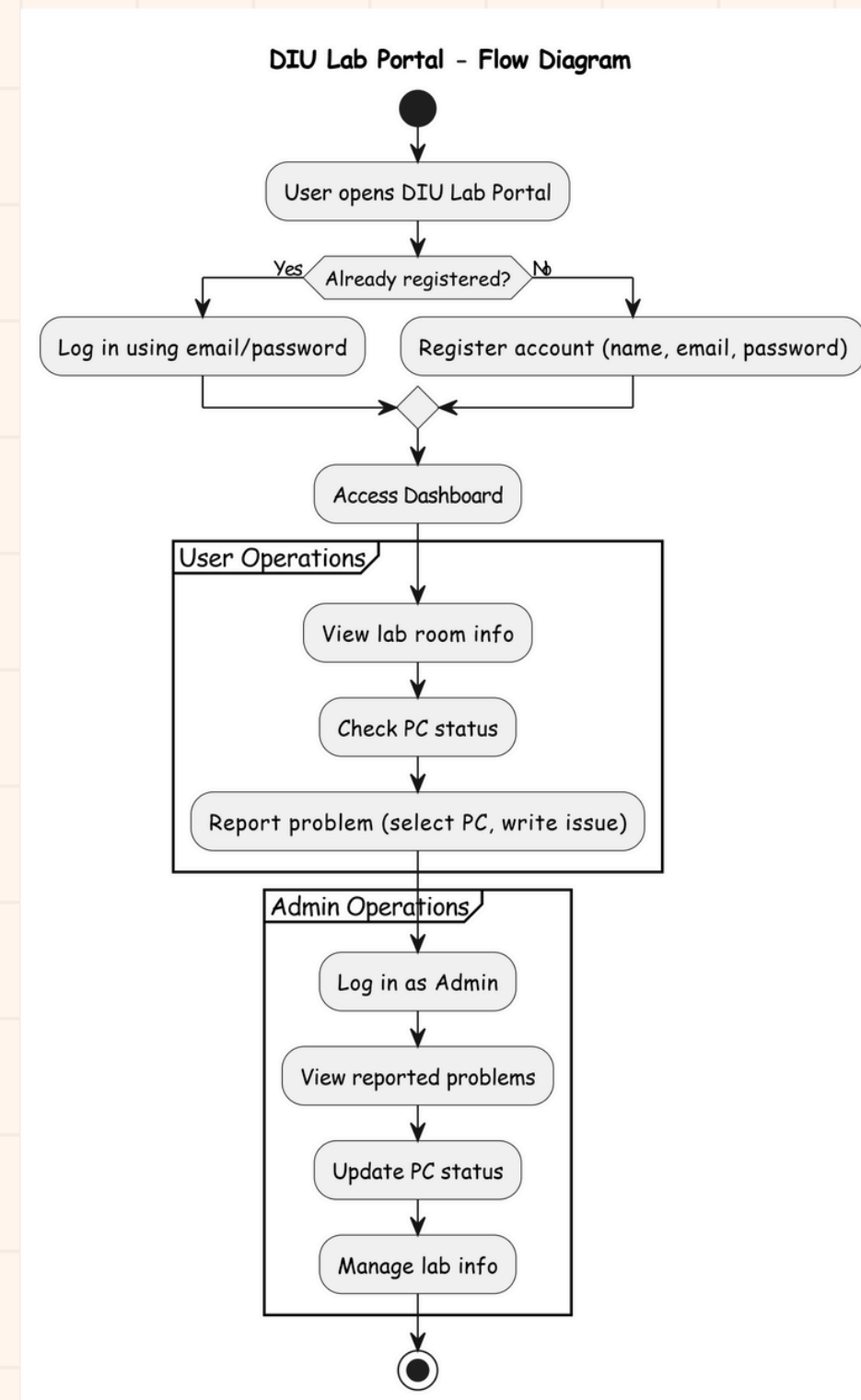
MySQL: A reliable database system for managing patient, appointment, and billing data securely and efficiently.

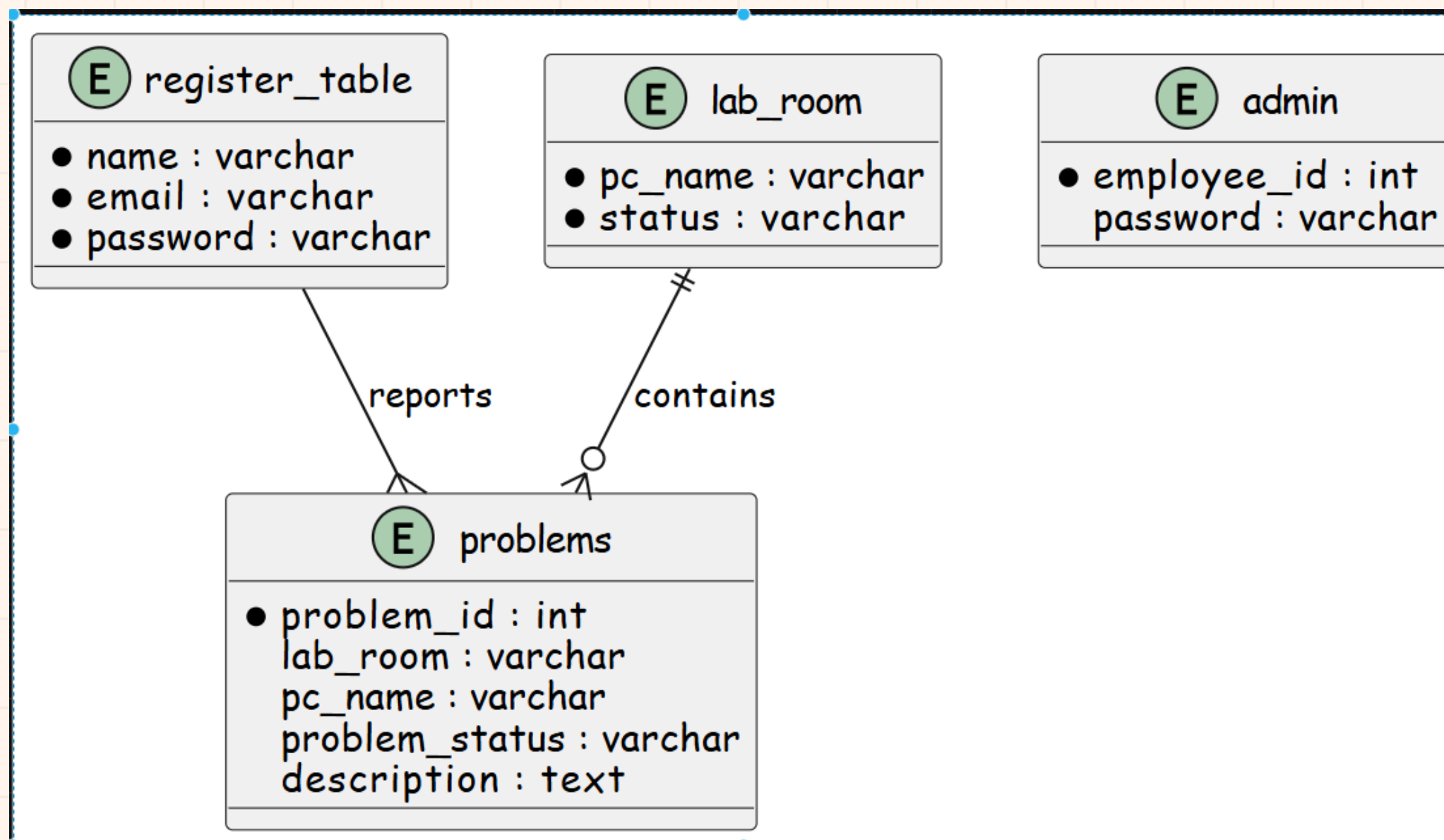
Additional Tools:

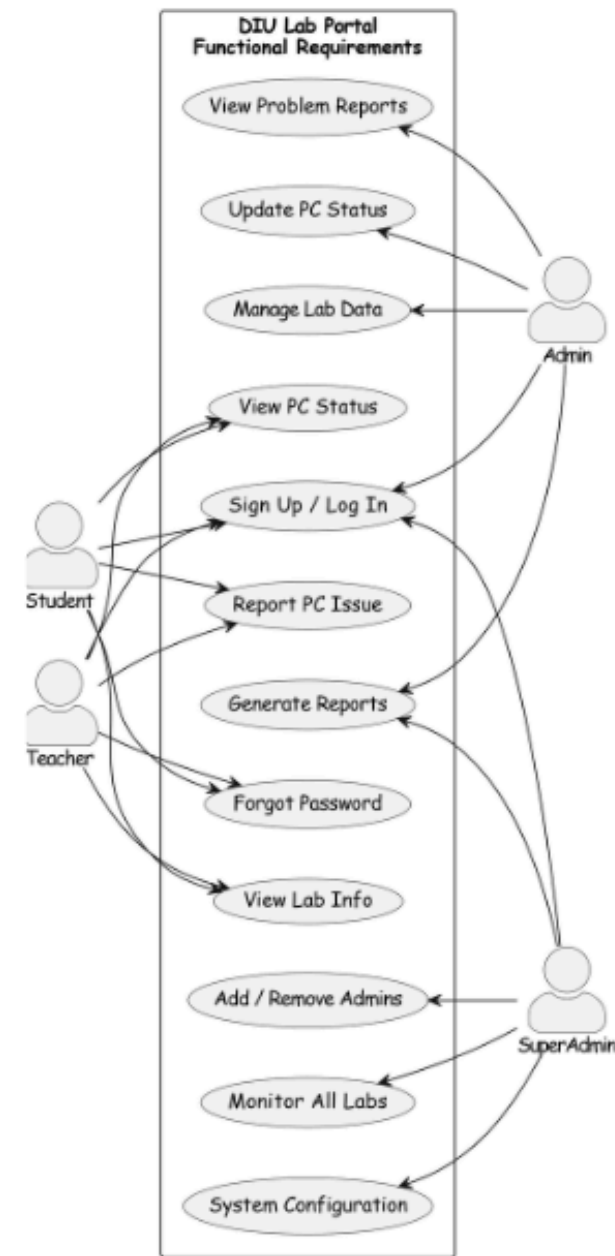
Git: Facilitates version control and collaborative development.

Testing Frameworks: Ensures a bug-free experience through rigorous unit and integration testing.



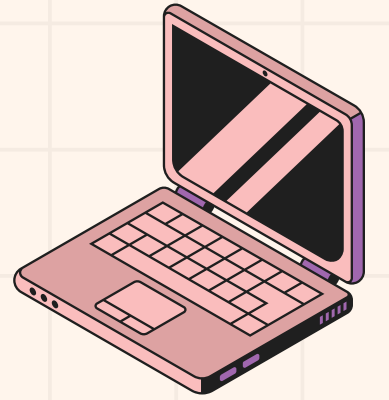








KEY FEATURES



- **User Access**

- Secure registration and authentication (Students, Teachers, Admins)

- Password recovery module

- **Lab Monitoring**

- Report PC issues with descriptions

- View lab-wise PC health and operational status

- Track reported problems and resolutions

- **Administrative Operations**

- Manage lab rooms and assign PCs

- Update PC and lab statuses

- View comprehensive report dashboards

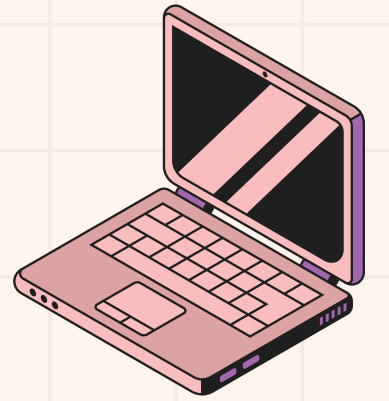


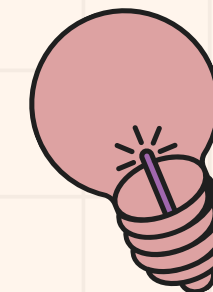
- **Feature Expansion**

Notification system for reported issues

Role-specific dashboards

Audit logs and change history





THANK YOU

