

PIXEL FACTORY

Report(April 2025)

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Work Progress Report

I have made significant progress in the development of the user authentication module for the application. The login and registration interfaces have been successfully designed(New UI). These interfaces have been fully integrated with backend APIs, which I tested and validated using Postman. The API ensures secure communication between the frontend and backend, handling user credentials and storing them efficiently in the database.

The registration process captures all essential user information, including

- **User ID,**
- **Username,**
- **Email,**
- **Password,**
- **Registration Time,**
- **Last Login.**

This data is stored in a structured database, allowing for easy retrieval and future analytics. I have also ensured that passwords are securely stored using hashing methods to maintain user I am resolving technical errors systematically, step by step, to maintain a smooth workflow.

I have started integrating the application with Streamlit, where I am currently focusing on incorporating data preprocessing techniques(**to optimize the preprocess step**). The entire log storage process has been documented in detail in a **Word document**, and a corresponding **flowchart** has been created to visually represent the log handling process. This documentation provides a clear understanding of how logs are generated, processed, and stored, and will be useful for both development and future audits.solving the errors step by step The next phase of the project involves the implementation of **Super Admin functionality**. The Super Admin will have elevated privileges to view and manage all registered users in the system. This includes accessing their profile details, registration data, login history, and activity logs after implenthing the log storage successfully view the user query,nlp,model responses in that log file easily