Project Structure Overview

This document presents a clean, spacious, and easy-to-understand representation of the project structure. The architecture separates backend logic, frontend UI, and utility scripts clearly, following industry best practices for FastAPI-based applications.

```
project-root/

███ app/
█
█    ███ api/
█    █    ███ routes/
█    █    █    ███ (Auth, Repositories, Projects endpoints)
█    █    ███ dependencies.py
█    █         ███ Shared authentication & token verification logic
█
█    ███ core/
█    █    ███ Global configuration & environment variables
█
█    ███ db/
█    █    ███ Database engine & session management
█
█    ███ models/
█    █    ███ SQLAlchemy ORM models (User, Project, Repository)
█
█    ███ schemas/
█    █    ███ Pydantic schemas for request & response validation
█
█    ███ services/
█    █    ███ GitHub API integration & AI README parsing logic
█
█    ███ main.py
█         ███ FastAPI application entry point
█
███ frontend/
█    ███ streamlit_app.py
█         ███ Streamlit UI for login & project generation
█
███ check_db.py
█    ███ Utility script to inspect latest database entries
█
███ run.sh
     ███ Shell script to start the backend server
```