E-Asset Management

Team 3

Problem Statement

The E-Asset Management System is a web-based application to keeps track of several assets that can be borrowed, their availability, their current location, the current borrower, and the asset history. Assets include Laptops, Books, Mobiles, and devices. The system should also be extensible for other types of assets and operations of them..

Proposed Solution

The E-Asset Management System is a web app for tracking assets' availability, location, and transaction history. It includes user authentication, role-based access, a database, and core asset operations. Security, extensibility, and compliance are key features. Documentation and compliance are also prioritized.

User Story

We Establish a database to store asset details, user information, and transaction records. Implement secure user authentication with role-based access control.
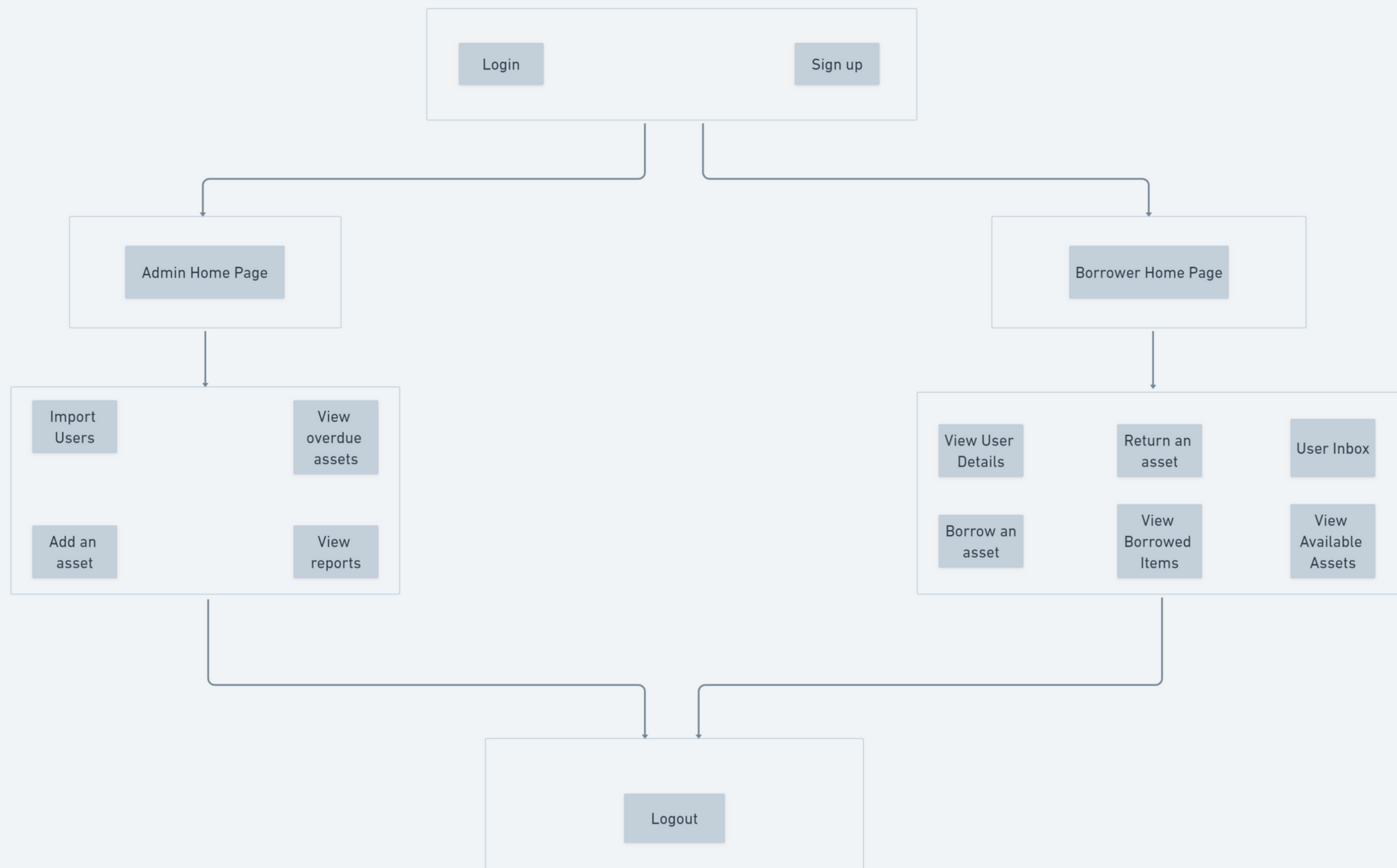
Now we create a user-friendly web interface for asset management. Develop features for asset creation, borrowing, returning, and search.

Finally, we design the system to accommodate new asset types and attributes. Enhance security with access controls, encryption, and compliance measures.

TECH STACK
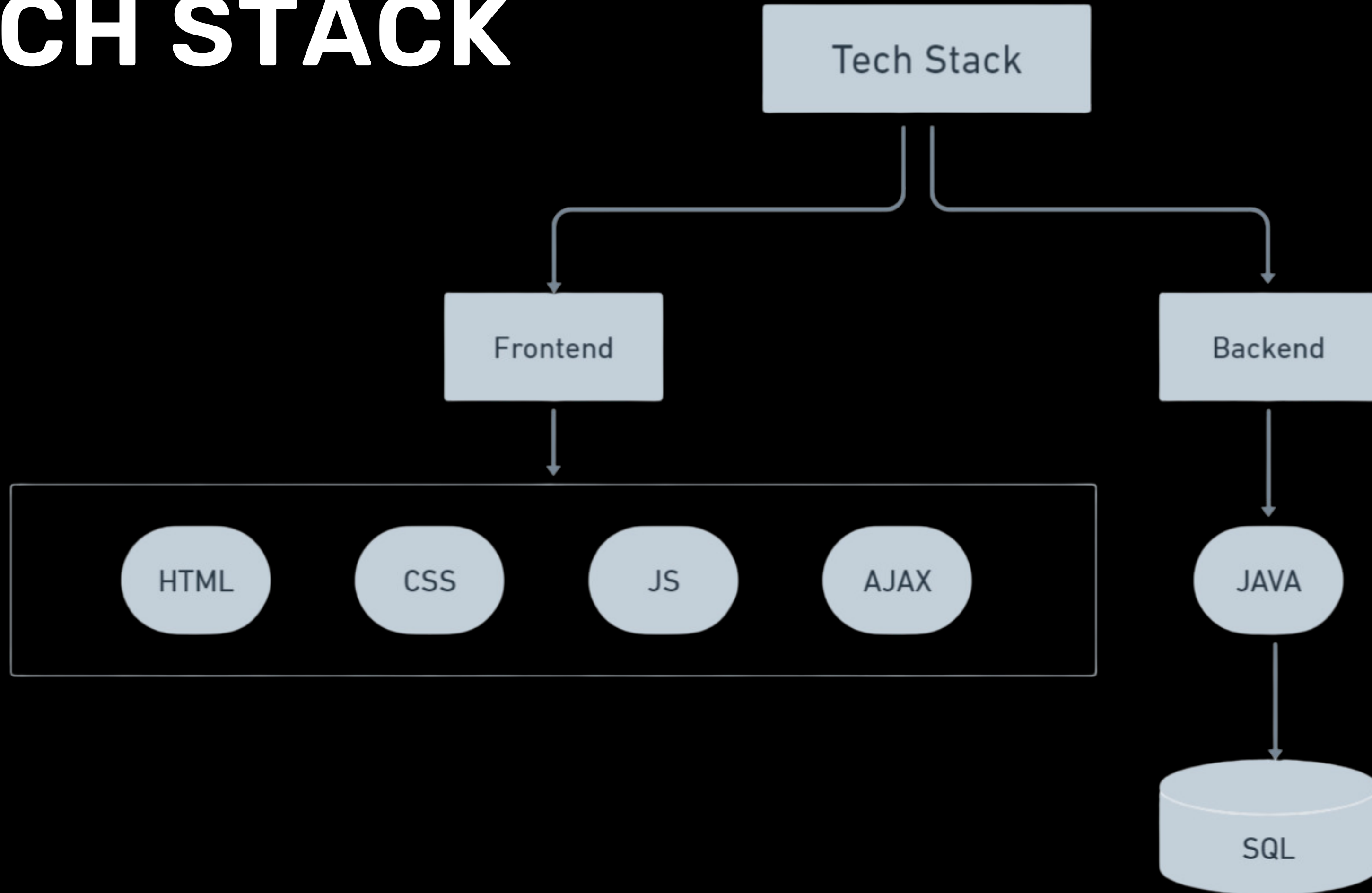
HIGH LEVEL ARCH

Demo

Security

Hashing Algorithms For Passwords

Hashing algorithms for passwords transform plain text passwords into irreversible, fixed-length values (hashes) to enhance security and protect sensitive data.

System Environment variables to store values

System environment variables are global, named values stored in an operating system that can be accessed and utilized by various applications and processes running on the system.

Protection against Username Enumeration

Username enumeration is a security vulnerability in which an attacker determines valid usernames on a system by exploiting different server responses for existing and non-existing user accounts**.on**

Q&A