Project Design Phase-I

Solution Architecture

Date	20 November 2023
Team ID	
Project Name	Block chain power library management

Maximum Marks 4 Marks

Solution Architecture
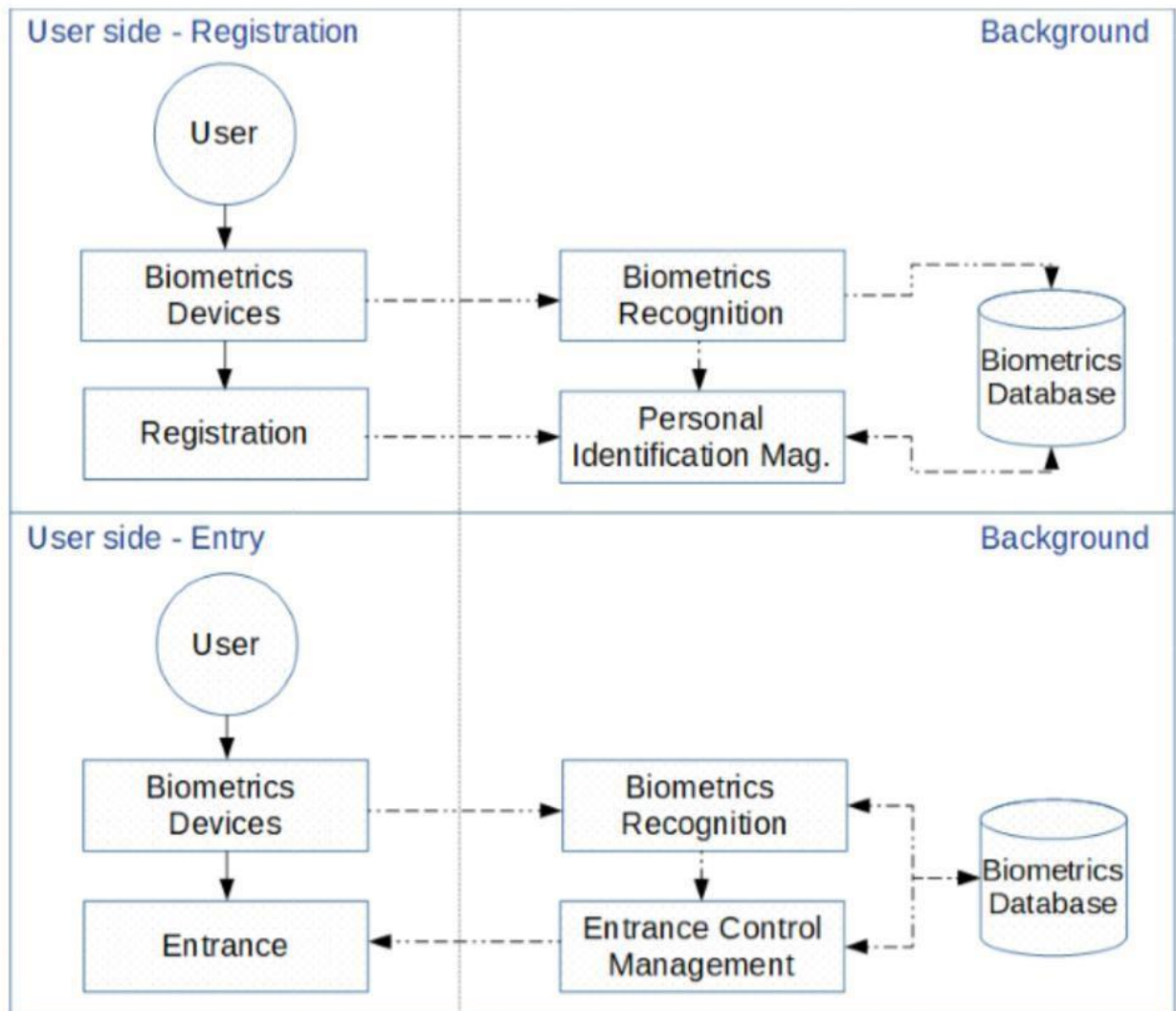
Steps to complete the project Step 1: Assest Tolenization

- To kenize each library resource as a digital on the block chain ensuring a unique identifier
- Identify the types of information to be stored, access requirements, and any user interactions.

Step 2: Smart contrast

- Select Ethereum standards that fit your requirements, such as ERC-725 for identity management and ERC-735 for claim management.
- Understand the structure and functions these standards provide for decentralized identity.

Step 3: Decentralized catalog

- Develop the core logic of your smart contract based on the chosen standards.
- Implement functions for creating identities, updating information, and verifying claims.
- Consider the flow of interactions within the contract and how different actions will be processed.

Step 4 : User identify and permissions

- Use block chain for secure user identify management.
- Allowing patrons to access resources based on their permissions