MINOR PROJECT

INOTEBOOK

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OBJECTIVE

The problem is to create a web app where we can add, update, delete our notes securely, and visit them whenever we need.

TECH STACK

FRONTEND

- React
- Custom CSS
- Javascript

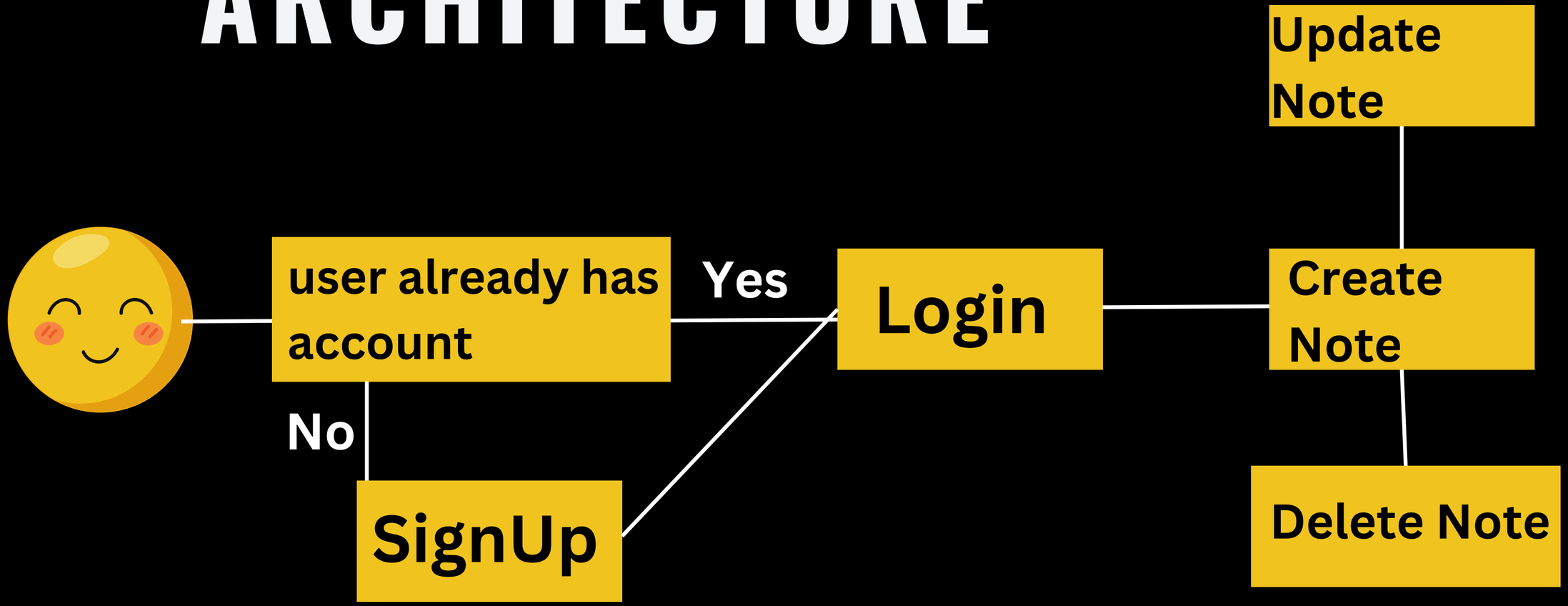
BACKEND

- MongoDB
- NodeJs
- ExpressJs

SOLUTION APPROACH

- First of all , the user have to create an account in the app by filling . When the user has created, their details are stored in the database.
- Now when the user tries to login to the app, he has to fill his credentials, if the credentials match with any of the document in the collection, then the user will get logged in successfully otherwise not.
- In this way the user can access the notes only after complete authorization, which provides security to the personal data of the user.

ARCHITECTURE



COMPONENTS

- Home
- Notes
- Noteitem
- Login
- Signup
- Navbar
- Alert
- About

CONTEXT

There is a context “NoteContext” which contains following functions:

- Addnote
- Update Note
- Delete Note

The MERN stack is a popular and powerful web development framework that consists of four key technologies: MongoDB, Express.js, React.js, and Node.js. Each component plays a crucial role in building modern, full-stack web applications.

- **MongoDB:** A flexible, NoSQL database system that stores data in JSON-like documents. It provides scalability and ease of use, making it ideal for handling dynamic data requirements.

- **Express.js:** A minimalist web application framework for Node.js, Express.js simplifies server-side development by providing robust features for routing, middleware, and handling HTTP requests.

- **React.js:** A JavaScript library for building interactive user interfaces. React.js employs a component-based architecture, facilitating the creation of reusable UI components and promoting code modularity.

- **Node.js:** A runtime environment for executing JavaScript code on the server-side. Node.js enables developers to build scalable and high-performance web applications using non-blocking, event-driven architecture.

FUTURE WORK

- Going to add functionality for arranging the notes category wise.
- Add functionality to allow users to add their profile picture and personal bio.
- Will add functionality to search specific user.