

MONEY TRANSFER ATM SYSTEM

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I. STACK USED

1. Front-end:

- React.

2. Back-end:

- C#

II. BACKEND TECHNOLOGY

1. Architecture:

- Model-View-Controller (MVC)

2. Database Access:

- **Microsoft ActiveX Data Objects (ADO.NET)** used for direct data access and manipulation.
- **Dapper** used for low-level database access.
- **Stored Procedures** utilized for database operations.

III. FRONTEND TECHNOLOGY

1. State Management:

- React hooks

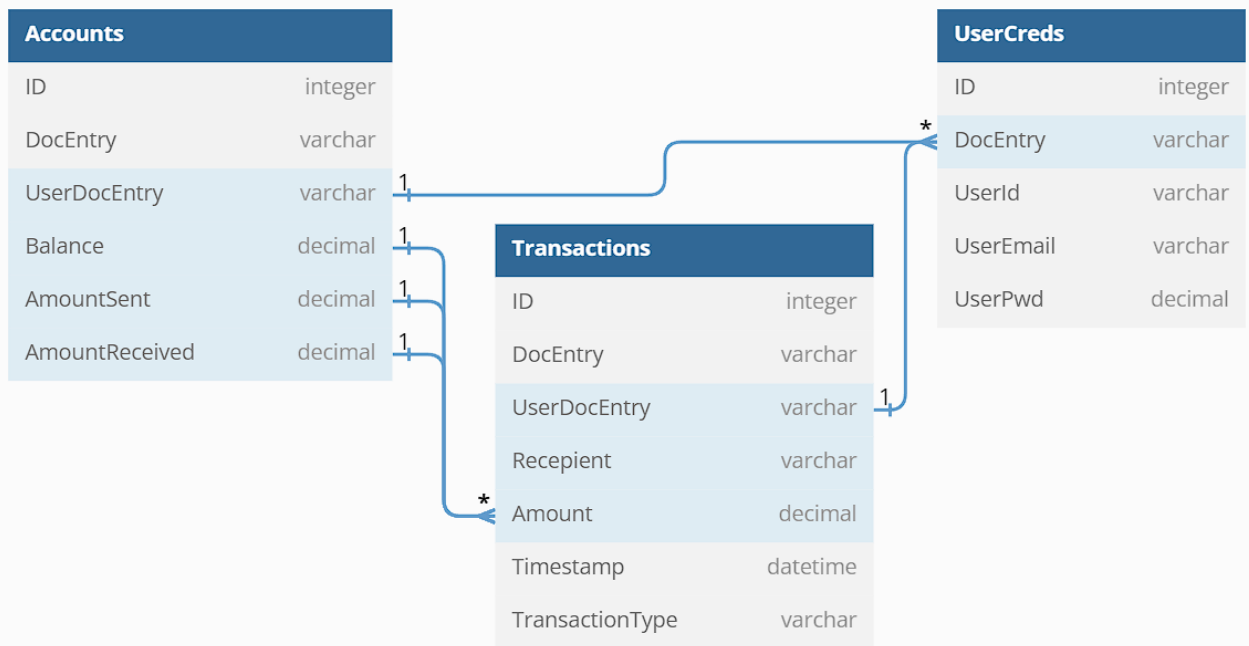
2. Routing Library:

- React Router

3. Project Structure:

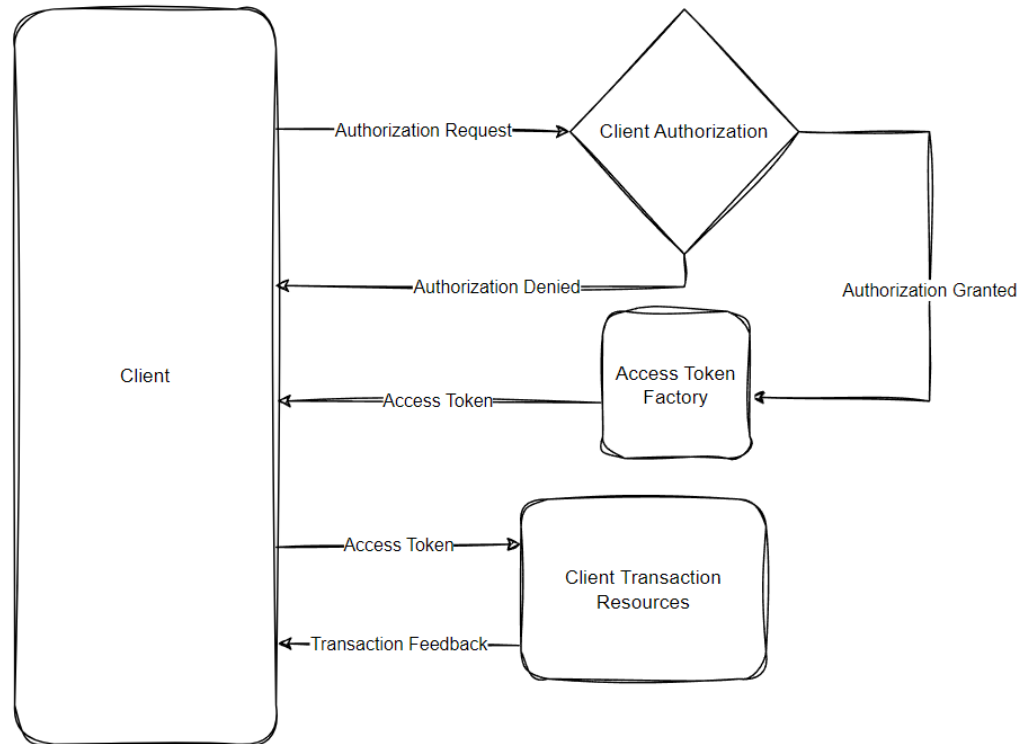
- **Components:** Organized by features or functionality.
- **Services:** For communicating with the backend axios is used.
- **Containers:** For managing state and data fetching.

IV. DATABASE STRUCTURE



Note: The DocEntry is the primary key in all the tables as this entry is autogenerated for every new row.

V. PROJECT STRUCTURE



VI. HOSTING

1. Docker Containerization:

- The application is packaged into a Docker container for consistency and portability.

2. Container Orchestration:

- Docker Compose for seamless orchestration