

**Abstract:**

The task involves developing a banking website using the MERN stack (MongoDB, Express.js, React.js, and Node.js). The website will allow users to perform basic banking operations such as depositing and withdrawing money from their accounts. Additionally, users will be able to view their account balance and transaction history. An admin panel will be provided for the bank administrators, enabling them to view user account details and disable user accounts when necessary.

**Module Description:****User Authentication:**

Implement user authentication functionality using JWT (JSON Web Tokens) to allow users to register, login, and securely access their accounts.

**User Dashboard:**

Develop a user dashboard where users can view their account balance, transaction history, and perform deposit and withdrawal operations.

**Admin Panel:**

Create an admin panel with authentication to allow bank administrators to log in and access administrative functionalities.

**User Management:**

Implement CRUD operations for user management in the admin panel, enabling administrators to view user account details and disable user accounts if needed.

**Transaction Handling:**

Design a module to handle transactions, including recording deposits, withdrawals, and updating account balances accordingly.

**Database Integration:**

Set up MongoDB as the database to store user account information, transaction records, and admin-related data.

**Backend Development:**

Develop RESTful APIs using Node.js and Express.js to handle client-server communication for user and admin functionalities.

**Frontend Development:**

Build the frontend using React.js to create intuitive user interfaces for both users and administrators, ensuring seamless navigation and user experience.

**Security Measures:**

Implement security measures such as input validation, encryption of sensitive data, and authorization checks to prevent unauthorised access and protect user information.