

Assignment: Building a Simple Banking System

Objective: Create a banking system utilizing PHP or Node.js along with Vue.js or React.js, following the MVC (Model View Controller) architecture, and using MySQL as the database.

Task Details:

1. Database Setup:

- Create a Database named 'Bank' with two tables: Users and Accounts.
- The Users table should store information about bankers and customers.
- The Accounts table should log cash deposits and withdrawals.

2. Customer Login:

- Design a login page with fields for username/email and password.
- Generate an access token (a random alphanumeric string of 36 characters) upon successful login.
- Use the access token as a header (Authorization) for subsequent API requests.

3. Transactions Page (For Customers):

- Upon login, customers should be directed to a transactions page.
- Display all transaction records with Deposit and Withdraw buttons.
- Clicking on either button should open a popup showing the available balance and a numeric input field for deposit/withdrawal.
- Implement logic to deduct or add to the balance based on user input.
- Display a message ("Insufficient Funds") if the withdrawal amount exceeds the available balance.

4. Banker Login:

- Create a separate login page for bankers.
- Upon login, bankers should be directed to an accounts page displaying all customer accounts.
- Allow bankers to click on a specific user to view their transaction history.

Submission Guidelines:

- Submit your solution via a GitHub repository link.
- Provide a link to a [free live server](#) for us to test your application.

Evaluation Criteria:

Your submission will be evaluated based on the following criteria:

- **Functionality:** Does the banking system perform as specified in the tasks?
- **Code Quality:** Is the code well-organized, readable, and follows MVC architecture?
- **Technology Stack:** How effectively did you utilize PHP or Node.js along with Vue.js or React.js?
- **User Experience:** Is the interface intuitive for both customers and bankers?