

# Banking System.

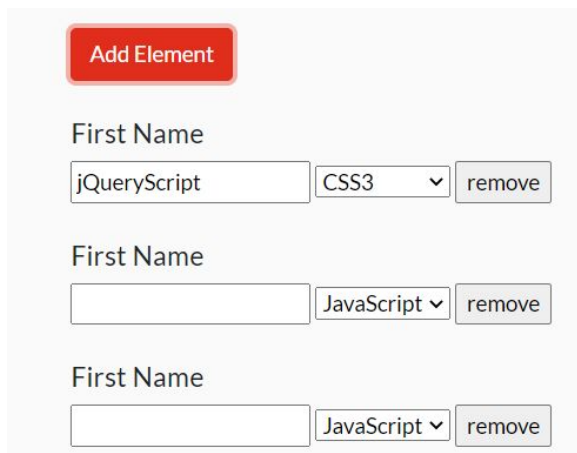
## Authentication

1. **Registration & Login**
2. **First User as Admin** in the user table (Create the first record as admin and rest as normal users)
3. **2FA Implementation**

## Account Opening

4. **Creating Saving Accounts:** On the dashboard, the admin can open saving accounts for users. The form includes fields for personal details such as FirstName, LastName, Date of Birth, and Address. Any user has an initial balance of 10,000 USD.

Admin can add multiple accounts on one page. E. g.



The screenshot shows a web form with a red 'Add Element' button at the top. Below the button, there are three identical rows of input fields. Each row starts with the label 'First Name' followed by a text input field. To the right of the text input is a dropdown menu, and to the right of the dropdown is a 'remove' button. The first row has 'jQueryScript' in the text input and 'CSS3' in the dropdown. The second and third rows have empty text inputs and 'JavaScript' in the dropdowns.

**Unique Account Number Generation:** The Account Number is generated automatically by the system to ensure uniqueness

---

**Additional Fields:** Other fields include those related to banking systems (e.g. balance) after activating users (note: once a user is created, it is automatically active, no need of approval).

## User Account Management

5. **Listing Accounts:** The admin can view a list of all user accounts, with the capability to filter and search through them based on various criteria like name, account number, or balance.
6. **Transaction History:** Each account has an associated transaction history that shows all the debits and credits in a detailed manner, including timestamps and transaction descriptions.

## Banking Operations

7. **Fund Transfers:** The system allows for inter-user fund transfers. Users can send money to others by entering the recipient's account number and the amount to transfer.

## Currency Transfer

8. **Multi-Currency Support:** Users can transfer funds in USD, GBP, and EUR (Take the 0.01 spread on any currency conversion if the user doesn't have that currency). This has to be done during the fund transfer to other users. A dropdown menu allows them to select the currency when initiating a transfer. Use API from this: <https://exchangeratesapi.io/>

**Language:** PHP, Laravel, HTML, CSS, JavaScript

Please push the code on Git Hub with detailed documentation.

## Evaluation Criteria.

Evaluation can be done based on coding, and task completion (**Important:** Make sure **every fundamental** concept is covered).

Complete the assignment within 3 days from the given date (assignment sent date).