



## WEB Project: Banking Web App



Work team of 2 persons, with clear task selection (each member judged individually)

The objective of this project is to design and implement a banking web application with fundamental functionalities. The application caters to two types of users: clients and banking agents. The web platform adopts a back-end-centric approach, employing PHP and Laravel technologies. It adheres to the Model-View-Controller (MVC) design pattern and stores data in a SQL-based Database Management System (DBMS). The front-end is developed using HTML5 and CSS technologies.

The key features to be implemented include:

### 1. User Registration and Authentication

- Allow guest to create login accounts
- Enable users to log in to the system
- Note: This feature is designed for client users; banking agents have accounts created externally by the system administrator

### 2. Creating Bank Account

- Allow user to create a banking account by submitting all required information.
- Users can create multiple bank accounts, with the option to choose from three possible currencies (LBP, USD, EUR)
- Account creation is finalized upon approval from a banking agent.

### 3. Client operations

- Enable client to view account details.
- Facilitate fund transfers between accounts
- Provide a detailed transaction history with filtering options.
- Check the status of account creation request.

### 4. Bank Agent operations

- Access all client's operations
- Review and approve/disapprove account creation requests.
- Check the listing of clients as their account
- Disable/Enable access of any client to their account
- Execute deposit/withdrawal transactions on client physical request

### 5. Security

- Store passwords in hashed format
- Implement measures to protect banking pages from unauthorized access
- Utilize solutions to prevent code injection and enhance overall system security