**Domain: Online Banking**

**Project Objective**:

Create a dynamic and responsive Java online banking web application to deposit, withdraw and transfer money between accounts.

**Background of the project**

EZ Banking is an online banking web application with a rich and user-friendly interface. Here are the requirements and the business model provided by the management team as follows:

**Recommended Technologies:**

* Database management: MySQL 8
* Back-end login: Java 8, Eclipse, Spring Boot Framework
* Front-end development: Angular 4, HTML/CSS
* Automation and testing technologies: Selenium and Junit
* DevOps and production technologies: Git, GitHub, Jenkins, Docker and AWS

**Admin Portal Features:**

* Authorize the roles and guidelines for the user
* Grant access to the user regarding money transfer, deposits and withdrawal
* Block a user account in case of any threat
* Authorize cheque book requests

**User Portal Features:**

* Register or log in to the application to maintain a record of activities
* Deposit and withdraw money from the account
* View the transactions and balance in the primary and savings account
* Transfer funds between different accounts and add recipients
* Cheque book requests for different accounts

**Project Development Steps:**

1. **Develop Spring Boot Banking APIs feature implementation**

* Registration & Login
* Account Transactions
* Transfers
* Saving Details
* Profile Settings
* Request Cheque Books

1. **Create Angular 8 App**

* Install the latest version of Angular CLI
* Create Angular 8 client application using Angular CLI
* Identify Components, Services and Modules
* Create Service & Components using Angular CLI
* Integrate Bootstrap with Angular

1. **Develop Angular 8 Banking Operations**

* Create MVC components i.e., domain, controller, repository, service
* Provide CRUD features to various entities and necessary services
* Create view details for various components.

1. **Develop Angular 8 App Configuration**

* npm package. json – Configure Dependencies
* App Routing Module
* App Component & Template
* App Module
* Main Index Html File
* Main (Bootstrap) File
* Polyfills
* TypeScrips tsconfig.json
* Running Angular 8 Client Application

1. **Integrate Angular frontend with Spring Boot backend**

* The use of @CrossOrigin annotation enables Cross-Origin Resource Sharing on the server is to deploy Angular frontend to <http://localhost:4200> and out Spring Boot backend to [http:localhost:8081](http://localhost:8080), the browser would otherwise deny requests from one to another.