

Phase-7 Project 02- ICIN Bank

Project Objective & Background:

ICIN is one of the top banking firms that accepts deposits from the public for the purpose of lending loans to the public. It also invests an amount in securities.

Recently, the business analysts noticed a drop in the number of customers of the bank. They found out that online banking systems of banks like AXIS and American Express are gaining more profits by eliminating middlemen from the equation. As a result, the team decided to hire a Full Stack developer who can develop an online banking web application with a rich and user-friendly interface.

You are hired as one of the Full Stack Java developers and have been asked to develop the web application. The management team has provided you the requirements and their business model so that you can easily arrange different components of the application.

Developer Details:

Name: Deeksha Singh Gaur.

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Github link: <https://github.com/deekshasinghgaur97/Phase07-ICIN-Bank-.git>

Product Features:

Admin Portal:

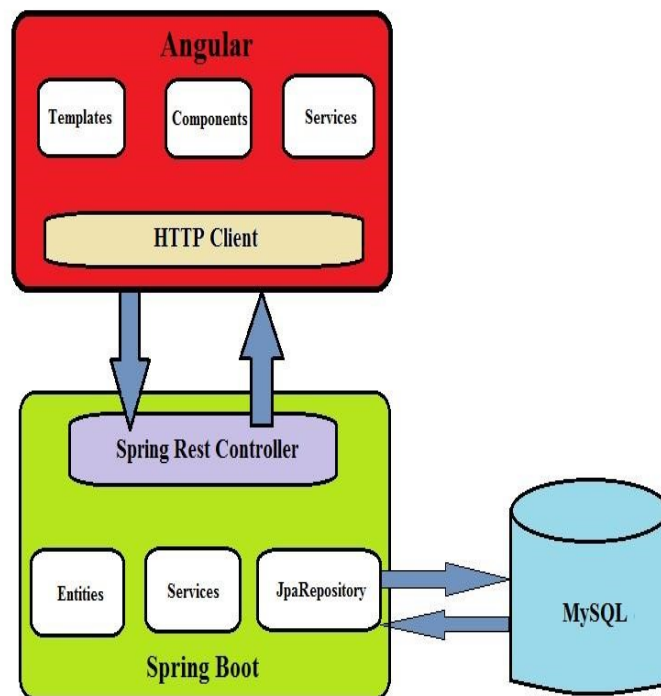
- It deals with all the back-end data generation and product information. The admin user should be able to:
- Authorize the roles and guidelines for the user
- Grant access to the user regarding money transfer, deposits, and withdrawal

- Block the user account in case of any threat
- Authorize the cheque book requests

User Portal:

- It deals with the user activities. The user should be able to:
- Register or log in to the application to maintain a record of activities
- Deposit and withdraw money from the account
- View transactions and balance in the primary and savings account
- Transfer funds between different accounts and add recipients
- Request cheque books for different accounts

Core Concepts Used and Project Architecture:



1. Angular framework for frontend UI's.
2. Spring boot framework for backend .
3. MySQL Database for storing all the data.
4. Junit to perform unit testing of services.
5. HTML, Bootstrap 4.

6. Typescript.
7. Spring Security and JWT Authentication.
8. Spring Data Jpa, Spring Web.

Sprint Planning and Task Achieved:

Number of sprint planned = 3.

Sprint 1:

1. Planned to develop backend code for project. Generated Spring boot project from <http://start.spring.io>.
2. Planned to develop the rest api's for admin user. Used spring security and Jwt authentication to achieve this task.
3. Successfully developed and tested the admin user rest api's using Postman software.
4. Planned to develop frontend code for project. Generated Angular project using angular cli.
5. Planned to develop home page and login feature. Successfully developed the home page and login page.
6. Planned to develop admin dashboard. Successfully developed the admin dashboard.

Sprint 2:

1. Planned to develop the rest api's for features regarding customer user.
Successfully developed and tested the customer user rest api's using Postman software.
2. Planned to develop the rest api's for features regarding manager user. Successfully developed and tested the manager user rest api's using Postman software.

3. Planned to develop the rest api's for features regarding engineer user. Successfully developed and tested the engineer user rest api's using Postman software.
4. Planned to develop the frontend view for customer, manager and engineer user. Successfully developed the dashboards and other features for customer, manager and engineer user.

Sprint 3:

1. Planned to test the complete web application by giving the required inputs in respective fields.
2. Successfully tested the login logout, complaint registration, view complaints, user creation and lifecycle and complaint assigning features.
3. The Web application is responsive, secure and all features are working as per the given requirements.