GitHub Repository: https://github.com/x4teen/FSD\_Phase6\_ICIN\_Bank

Section 01 – Program capabilities

I created an application for ICIN Bank with Spring Boot backend, angular front end and mysql 8 database. The application was converted to a docker image and the docker image was deployed on AWS EC2 instance.

User Portal:

1. Registration

A new user can register for a bank account

1. Login

After success full registration, a user can login to view his/her account information

1. Account transactions

A user can deposit and withdraw money for his/her bank account

1. Transfers

A user can transfer money to someone else’s account or his/her checking account.

1. Savings details

A user can view transaction details in his/her savings account

1. Profile settings

A user can update his/her email and password.

1. Requesting cheque books

A user can request check books.

Admin Portal:

* 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

Section 02 – Program Design

Concepts Used:

The program designed with Spring Boot, Angular, Docker, MySQL and AWS framework. The program was deployed in a Docker container on an Aws EC2 instance. The source code is hosted on github at the following location :

https://github.com/x4teen/FSD\_Phase6\_ICIN\_Bank

Section 03 – Agile Design

The project was completed in two sprints.

Sprint 01 - Backend design and implementation

Sprint 02 - Frontend design and implementation

Sprint 03 - Dockerize the application and deploy the containers.