WILEY

Capstone Project
Banking Systems

The Indian Collaborative Bank- Online System

Problem Statement

The Indian Collaborative Bank (ICB) right now works by utilizing a manual framework. The information is kept physically in records in the bank base camp's underground stockroom. For a representative to get to a document, he should go to the distribution center and get the record. People with appropriate authority move the information more seasoned than a year in different stockrooms outside the central command. Because of this record-keeping process, a worker makes additional effort to get to the information. Additionally, the day-to-day operation loads up a massive number of records in the distribution centers that anyone barely uses. These papers take a ton of room and are hard to oversee.

Moreover, an individual must have stored the record at a time. If someone takes a document, the worker should trust that he will check in the document. Eventually, with each use, the chances of losing or damaging a document increase.

Accordingly, workers should keep an additional duplicate record as a reinforcement. Having a reinforcement is pointless if someone malignantly adjusts the record because the changes do not reflect in the duplicate record, and maybe it is already late to acknowledge.

Consequently, the ICB is requesting a system to wipe out these issues. The goals of the new framework are:

- The system will be available to all through ICB servers
- The system will facilitate information about the employees and customers for retrieval and modification if necessary
- The system will log all the changes made to the archives and keep various versions
- All customers will be able to access all their information without any delay
- The customers will be able to conduct banking transactions from their homes without delay

Project Objectives

- Develop a banking application which can facilitate the flow of information smoothly and instantly.
- Develop an application which makes the consumer participate in the banking transactions with ease & anytime he wants.
- Admin can generate reports with ease and when required

Project Scope

The project should focus mainly on the following three aspects:

1. Front-end for the bank employees who can view the various transactional details and perform the required operations
2. Front-end for the customers to be able to view their specific transactions and details. They should also be able to interact with the system and perform required transactions
3. Front-end for the Admin to view all the details of all customers and employees

Success Criteria

- Application development & Documentation : Using Agile Methodologies and tools for software development cycle and documentation.
- Application Testing & Deployment : Deploying the application after proper testing (Unit, Integration, Blackbox , Whitebox).
- Problem solving : Preparing a case study highlighting the significance of the proposed solution.

Technologies expected be used

- Java Spring boot
- SQL (MySQL or Oracle SQL)
- React Js

Deliverables

- Project Charter
- Project Plan
- Project Scope Statement
- Project Status Report / Scrum Dashboard
- Working application
- Git Link for the application Code

Class Diagram & Modules

- Sample Class Diagram for your reference.