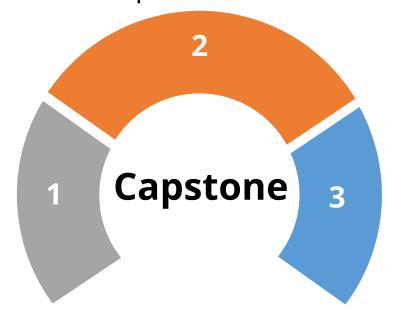


Capstone Project: Introduction

Capstone project is a comprehensive project that aims to deliver end-to-end functionality of a business application.

Multiple technologies

Every stage of a capstone project can be implemented with different services present for the operations.



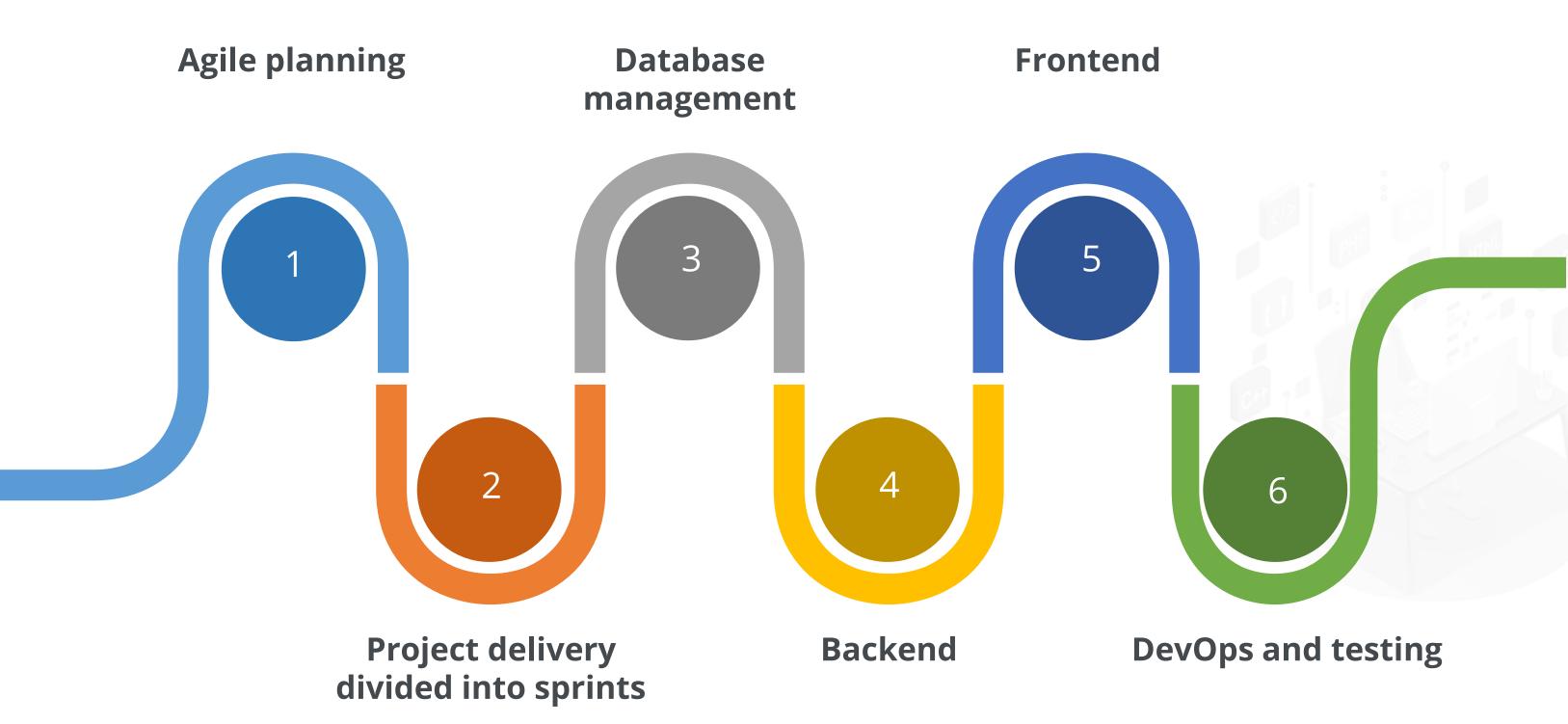
Scalable

Due to its dynamic nature, it is built around various domains and business use cases which make it scalable.

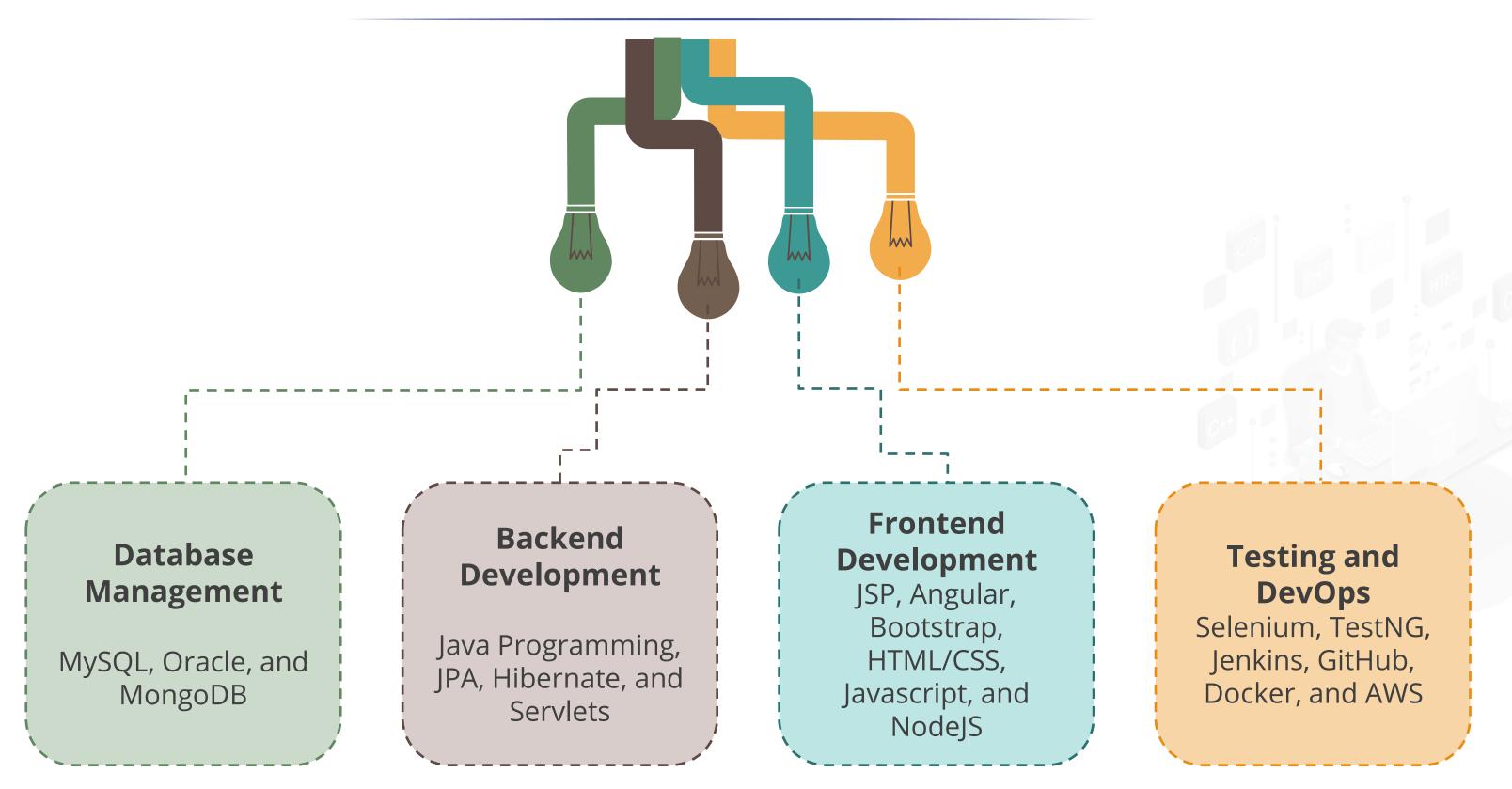
Multi-level

Multi-level projects are used to deploy on the cloud.

Project Development Flow



Technologies



Domain: Healthcare

©Simplilearn. All rights reserved.

Domain: Healthcare

Project Objective:

Create a dynamic and responsive Java e-healthcare web application for online ordering of medicines.

Background of the project:

Medicare is a company that supplies medicines and a couple of other healthcare essentials at an affordable price. It was established in 2012 in Delhi, India.

It had been serving fine all these years, however, the business analysts noticed a drop in the selling since 2015. They found out that online ordering of medicines with companies, such as 100mg and mfine are gaining more profits by eliminating middlemen from the equation. As a result, the team decided to hire a Full Stack developer who could develop a healthcare web application with a rich and user-friendly interface.

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



Admin Portal Features

Below are the key responsibilities and functionalities to be implemented in the admin portal. The admin user should be able to:

Add or remove medicine details from the application to build a rich product line

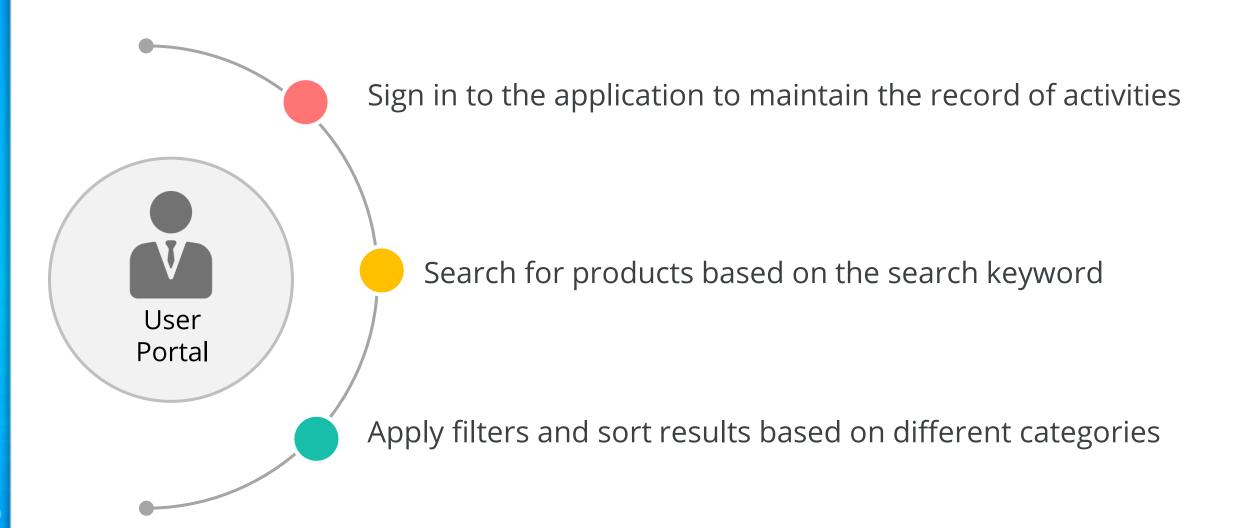


Enable or disable the medicines

Edit medicine details like name, price, seller, and description to keep the product information updated with the current prices

User Portal Features

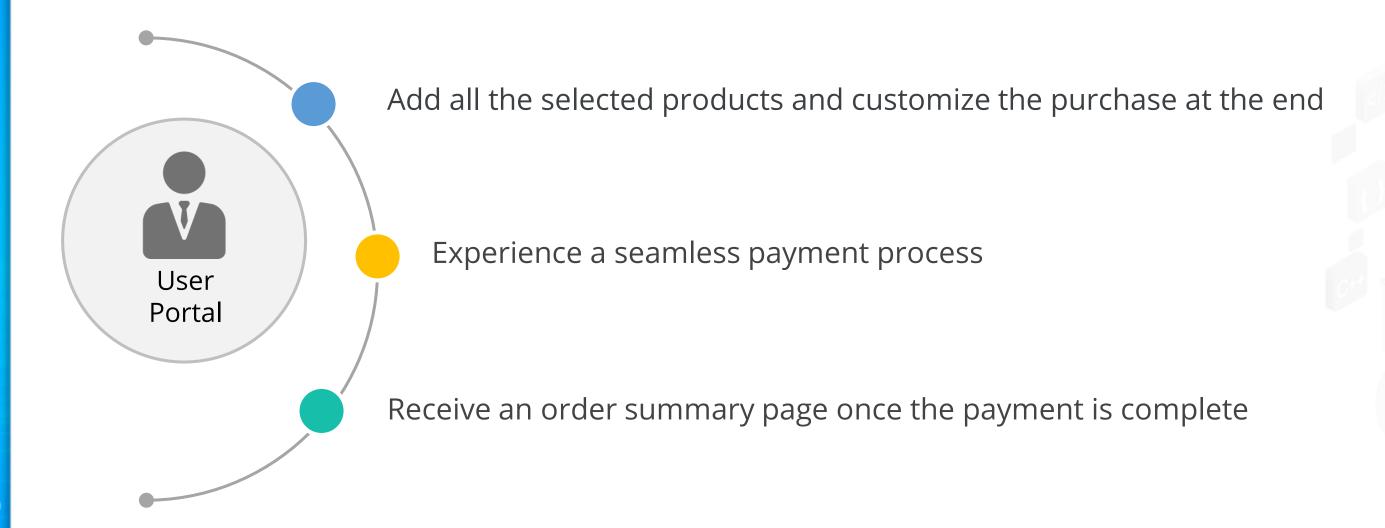
Below are the key responsibilities and functionalities to be implemented in the user portal. The end user must be able to:

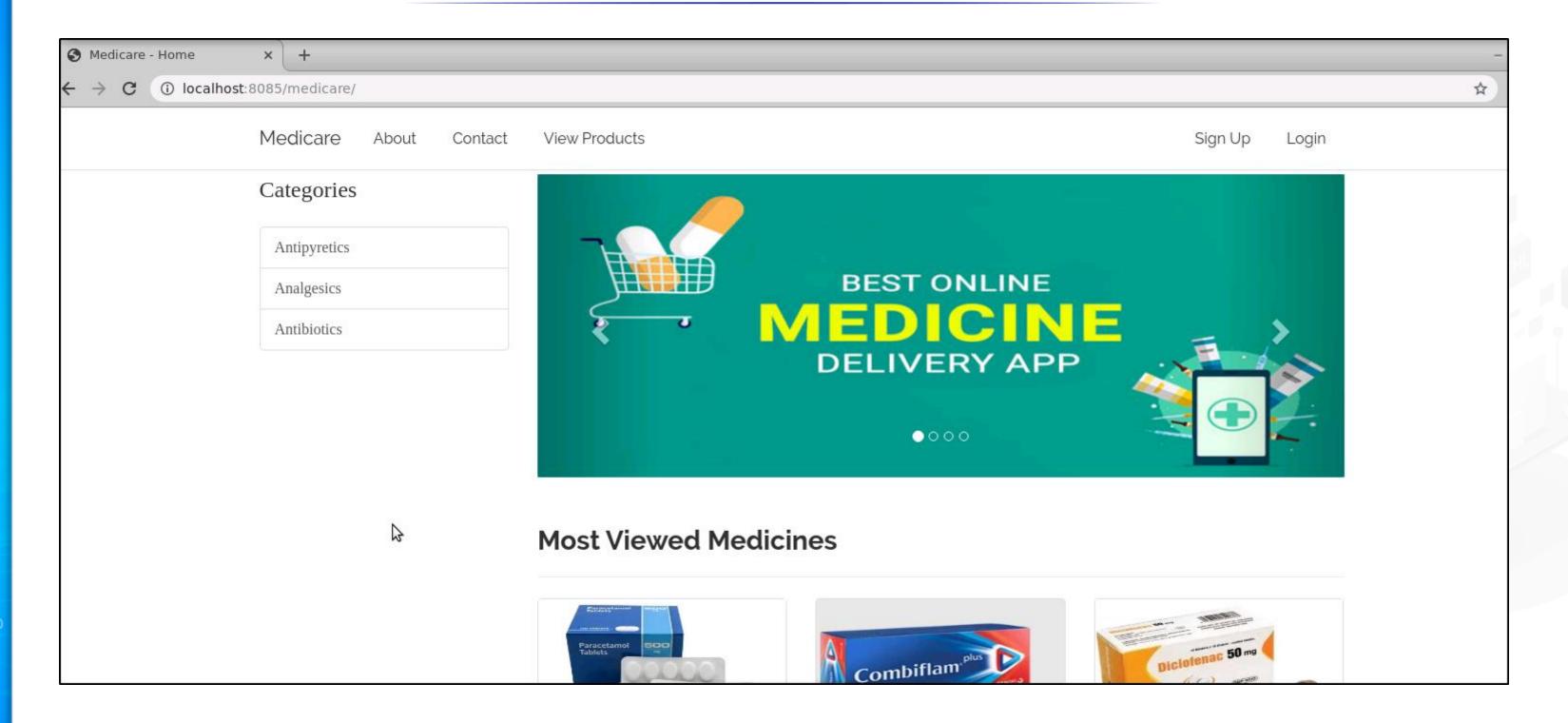


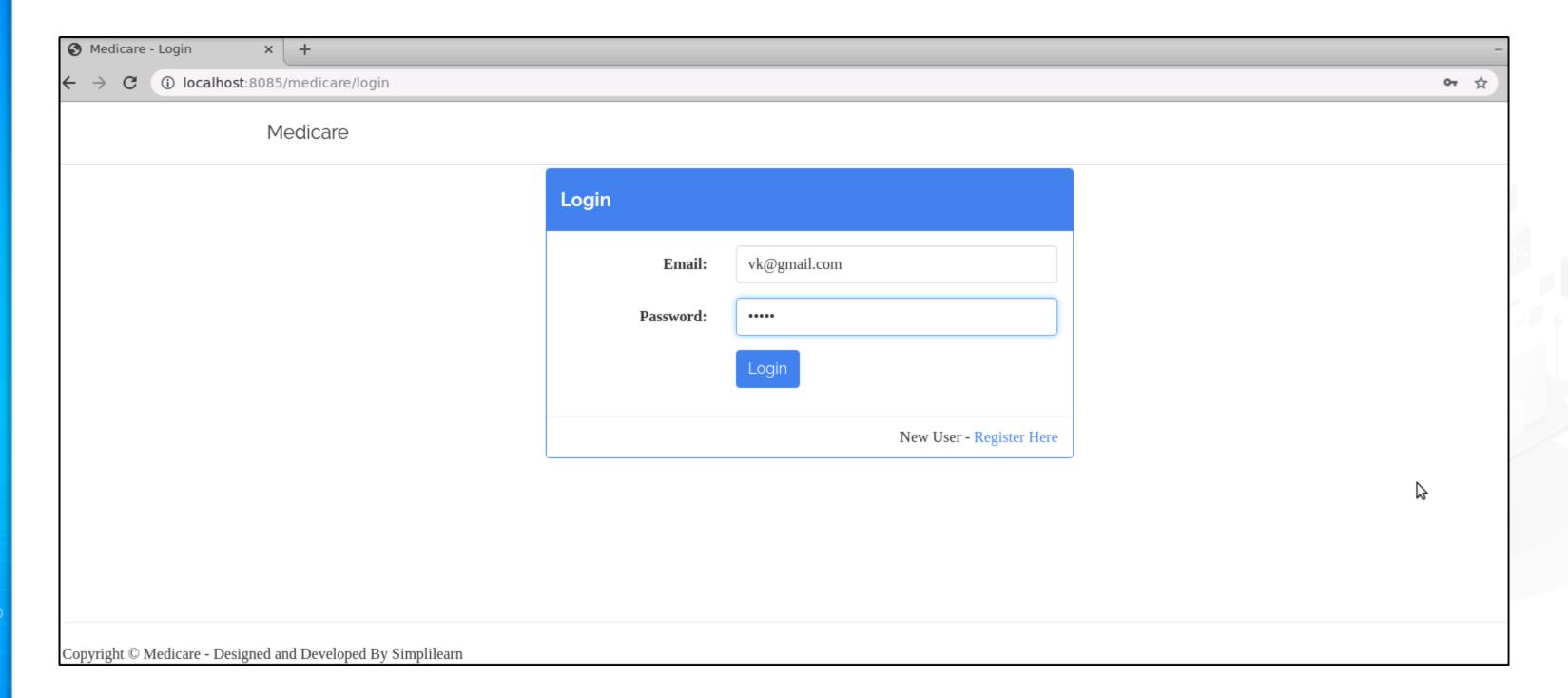


User Portal Features

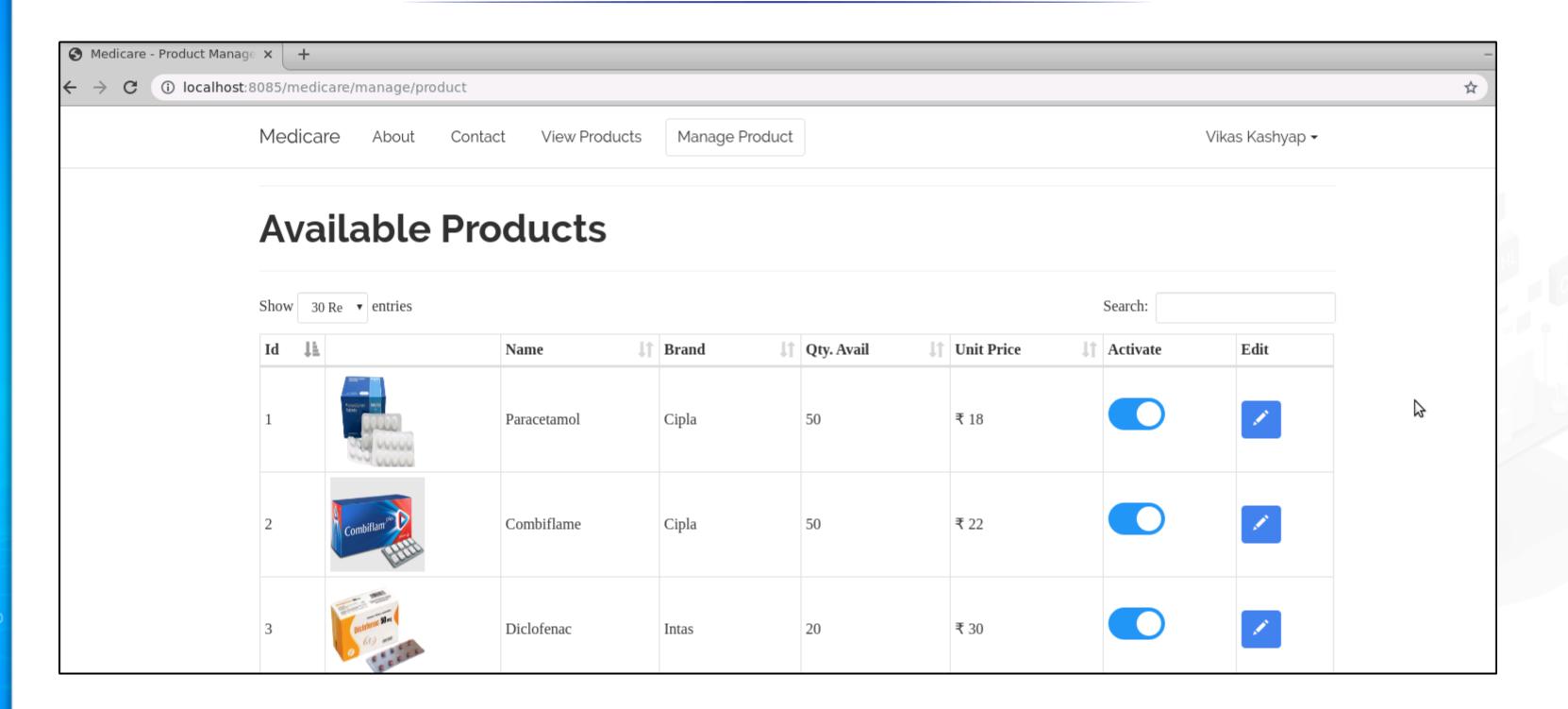
Below are the key responsibilities and functionalities to be implemented in the user portal. The end user must be able to:



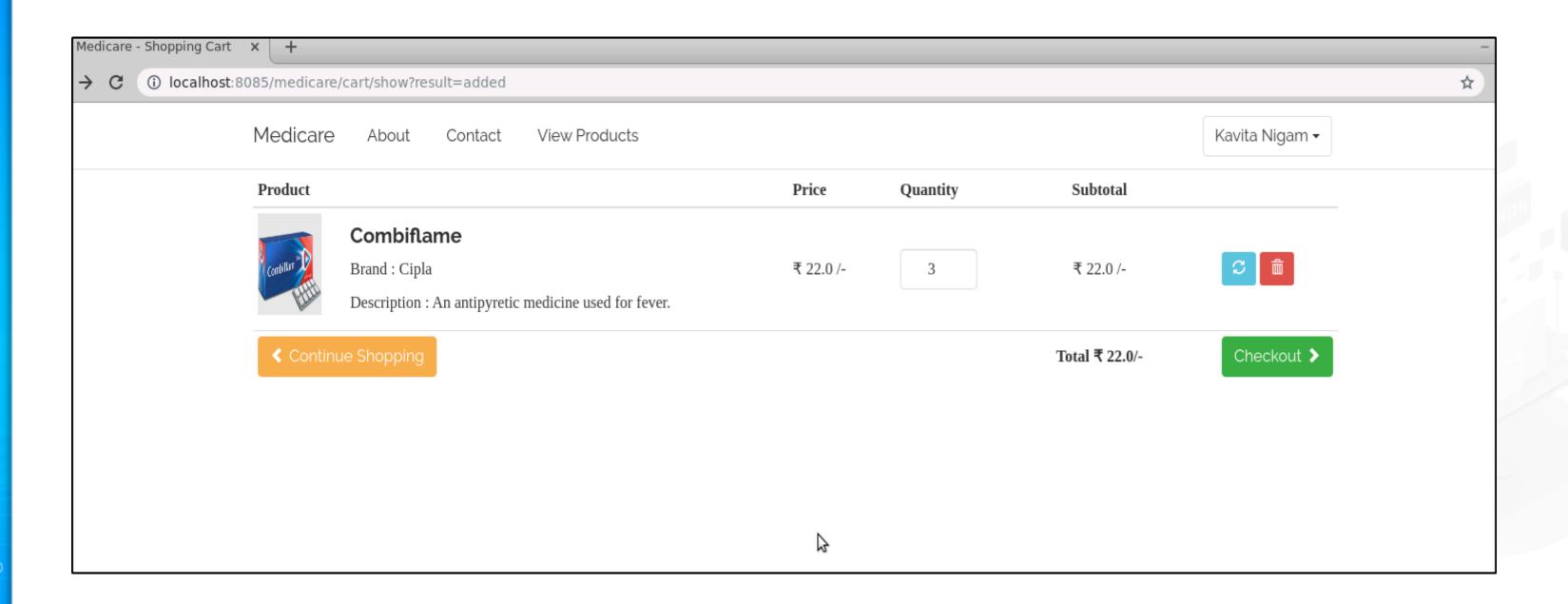














Domain: Food Delivery ©Simplilearn. All rights reserved.

Domain: Food Delivery

Project Objective:

Create a dynamic and responsive online food delivery web application for ordering food items of different cuisines from a restaurant.

Background of the project:

Foodbox is a restaurant chain that delivers food items of different cuisines at affordable prices. It was established in 2014 in Bengaluru, India.

It had been serving fine all these years, however, the business analysts noticed a decline in sales since 2016. They found out that online ordering of food items with companies, such as Swiggy and Foodpanda are gaining more profits by eliminating middlemen from the equation. As a result, the team decided to hire a Full Stack developer to develop an online food delivery web application with a rich and user-friendly interface.

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

Admin Portal Features

Below are the key responsibilities and functionalities to be implemented in the admin portal. The admin user should be able to:

Add or remove cuisines to or from the application to build a rich product line



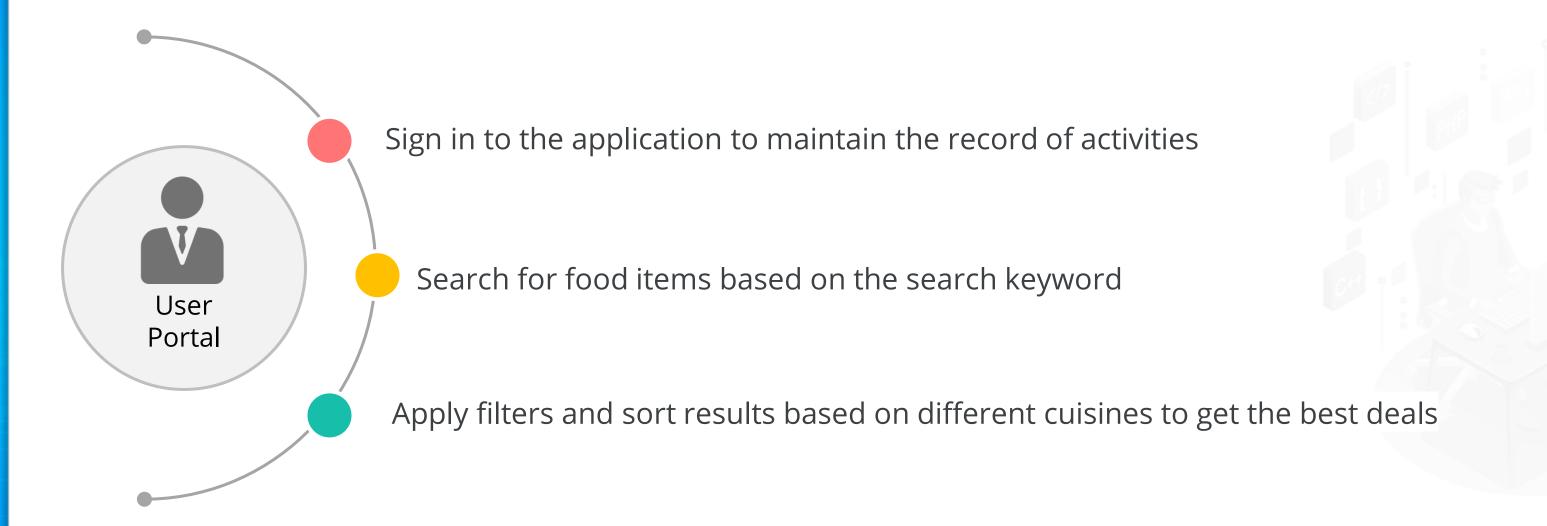
Edit food item details like name, price, cuisine, description, and offers to keep it aligned to the current prices

Enable or disable the food items



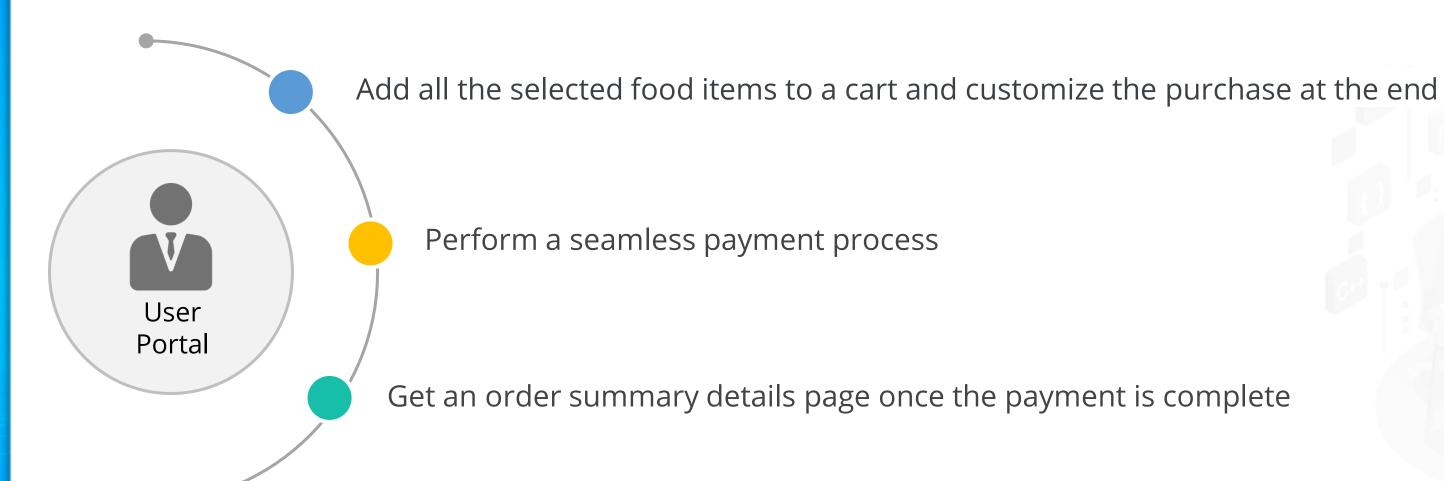
User Portal Features

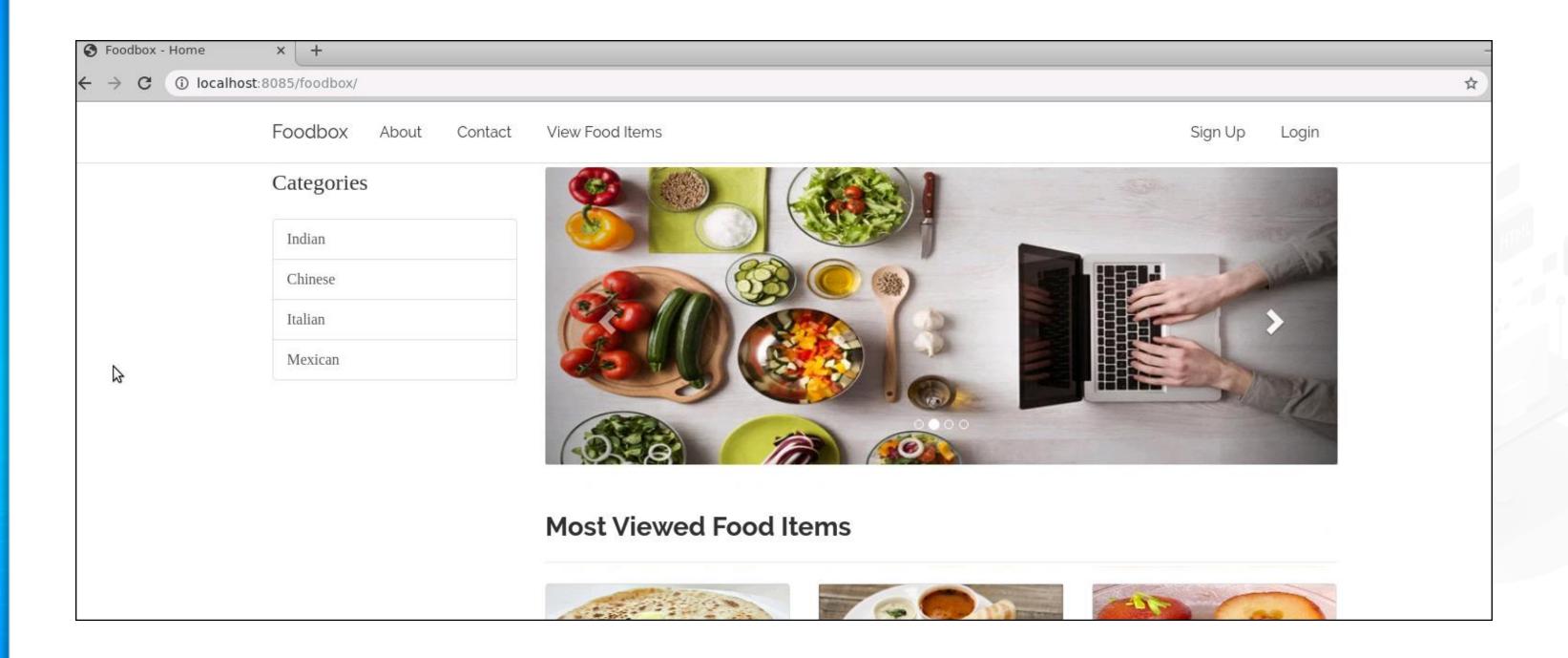
Below are the key responsibilities and functionalities to be implemented in the user portal. The end user must be able to:



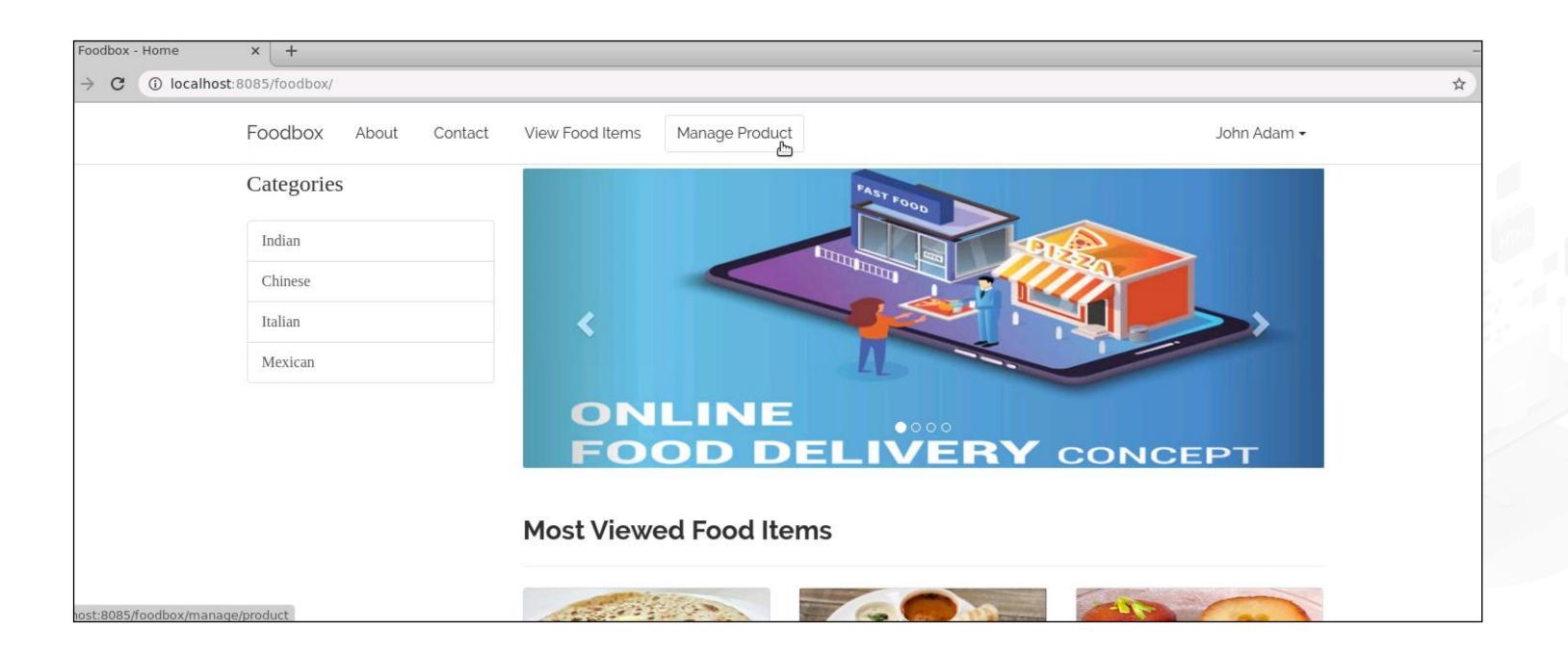
User Portal Features

Below are the key responsibilities and functionalities to be implemented in the user portal. The end user must be able to:











Domain: Entertainment ©Simplilearn. All rights reserved.

Domain: Entertainment

Project Objective:

Create a dynamic and responsive web application for booking movie tickets online for different genres and languages.

Background of the project:

NMS Cinemas is a chain of single screen theatres that screen movie shows of different genres and languages at very genuine prices.

It was established in 2004 in Pune, India. Recently, the business analysts noticed a decline in sales since 2010. They found out that the online booking of movie tickets from apps, such as BookMyShow and Paytm were gaining more profit by eliminating middlemen from the equation. As a result, the team decided to hire a Full Stack developer to develop an online movie ticket booking web application with a rich and user-friendly interface.

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



Admin Portal Features

Below are the key responsibilities and functionalities to be implemented in the admin portal. The admin user should be able to:

Add or remove different genres to or from the application to build a rich product line



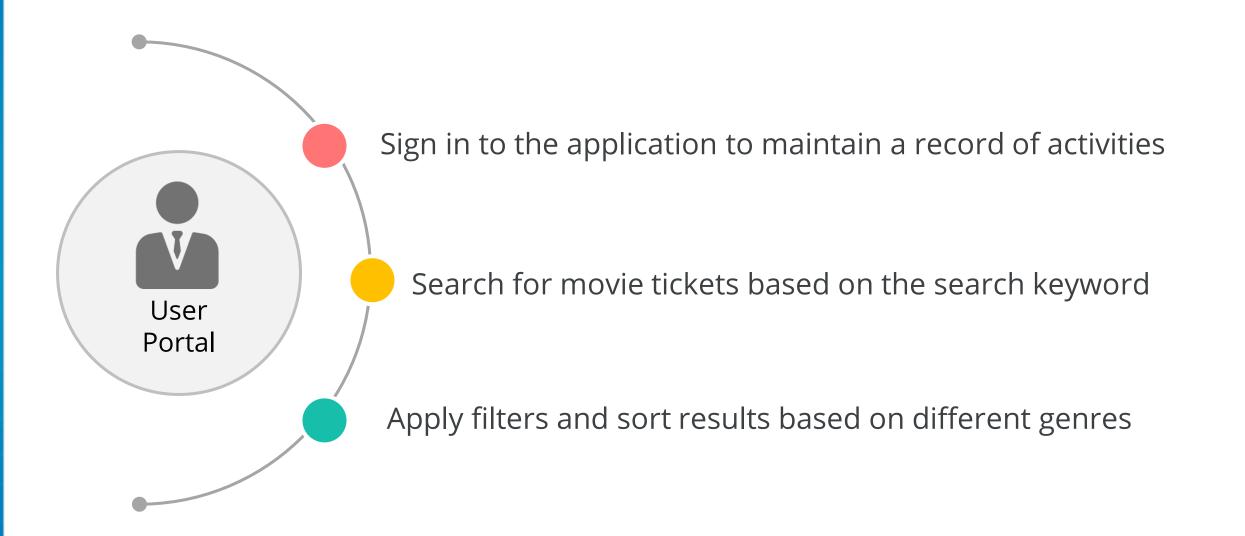
Edit movie details like name, ticket price, language, description, and show timings to keep it aligned to the current prices

Enable or disable movie shows from the application



User Portal Features

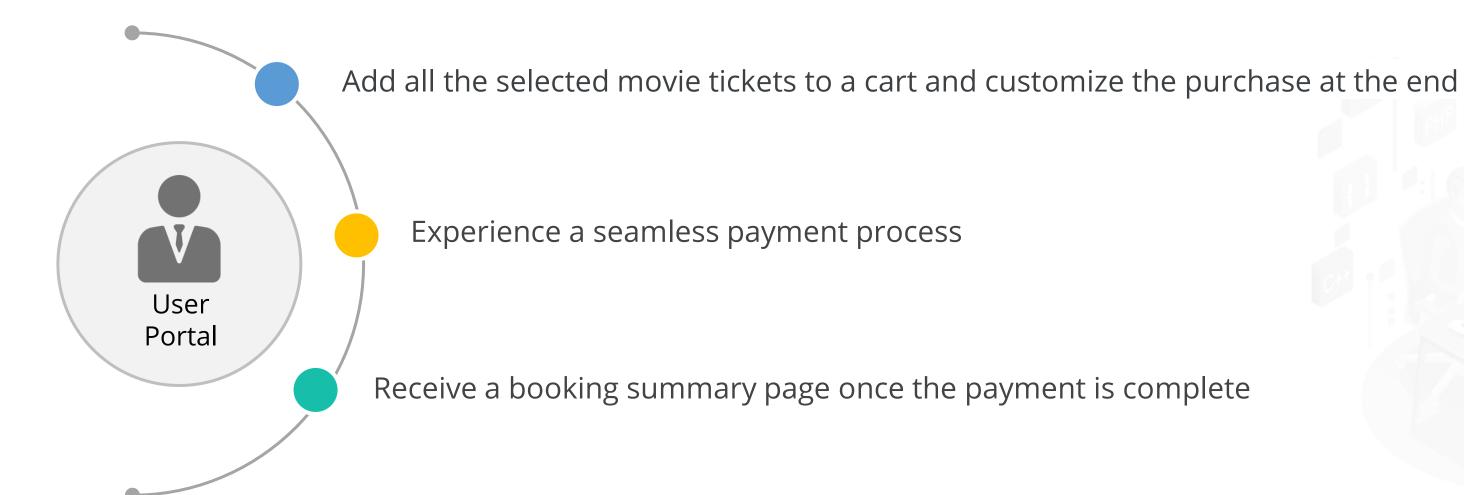
Below are the key responsibilities and functionalities to be implemented in the user portal. The end user must be able to:

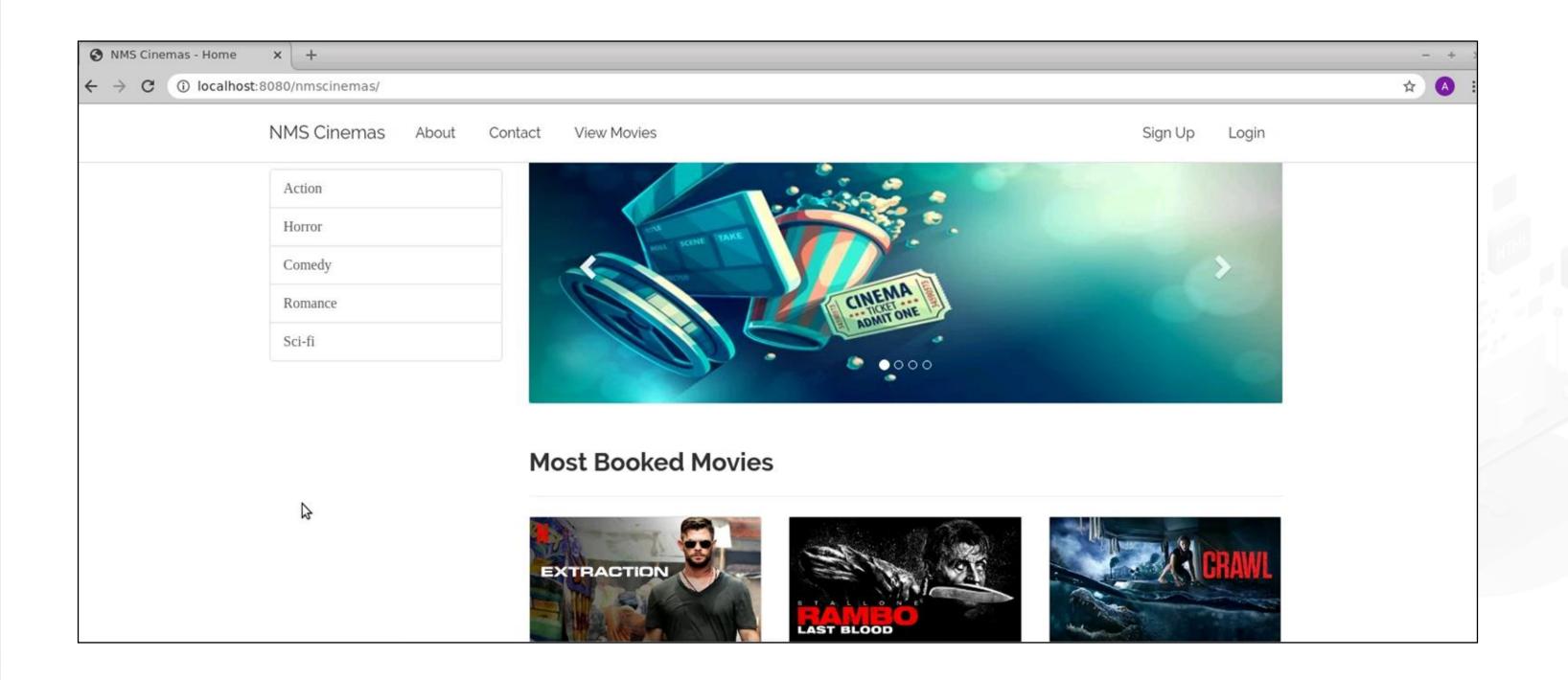




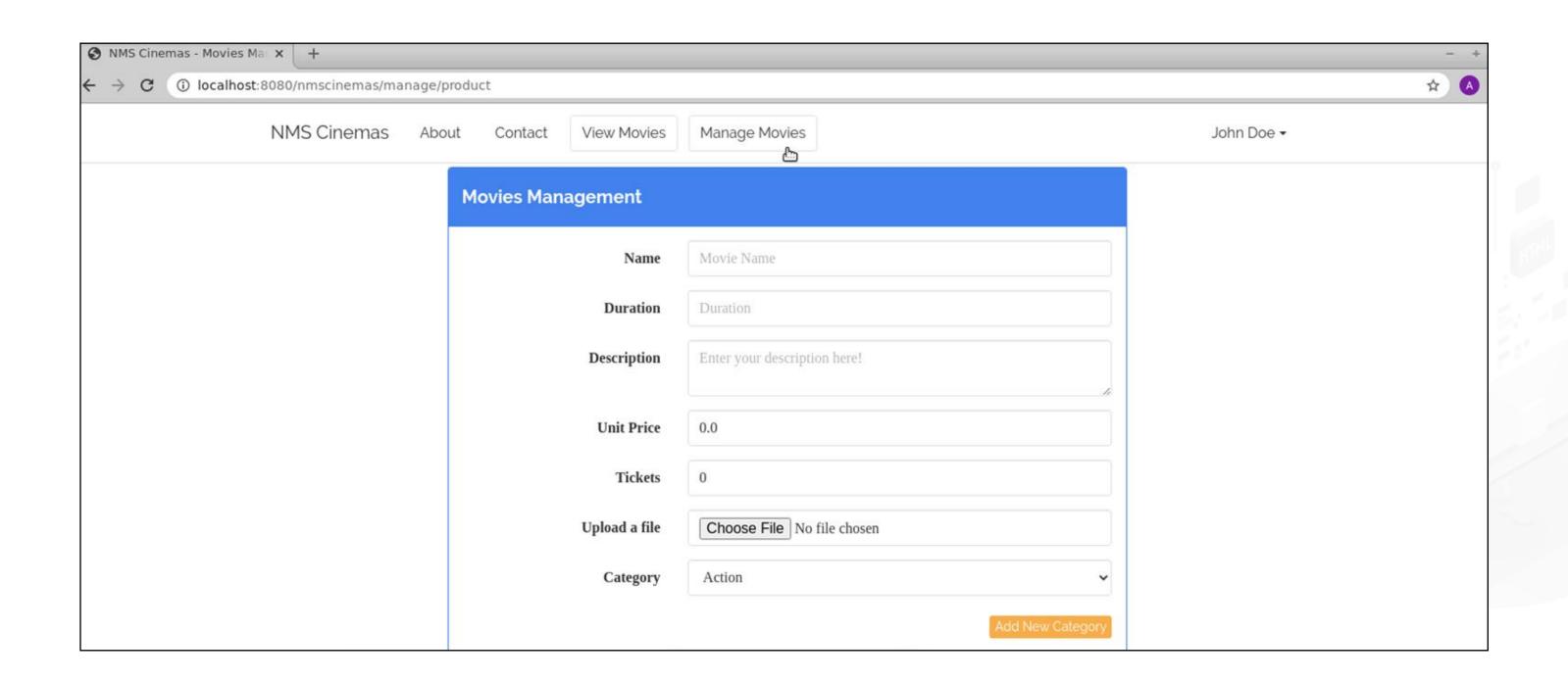
User Portal Features

Below are the key responsibilities and functionalities to be implemented in the user portal. The end user must be able to:

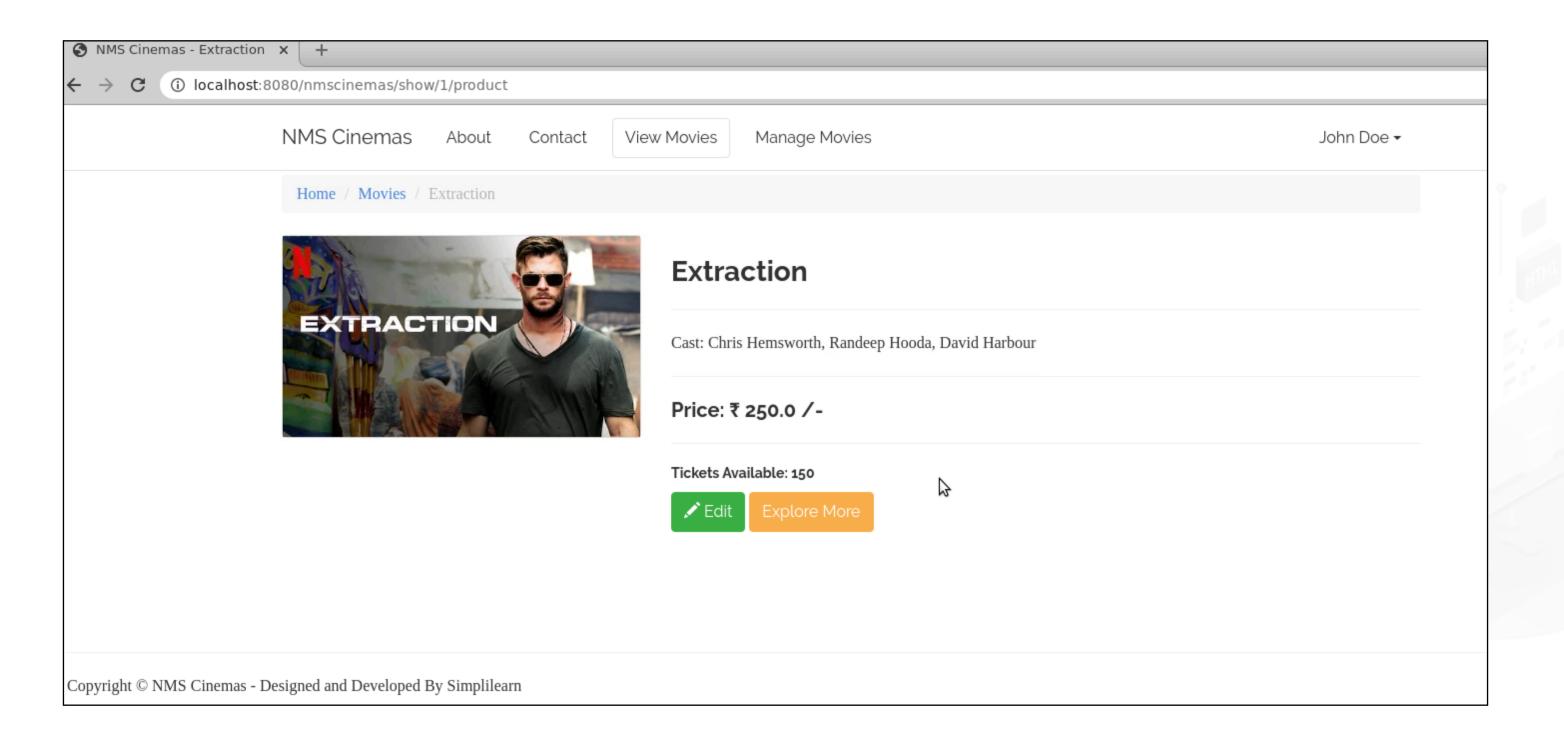














Domain: Online Banking ©Simplilearn. All rights reserved.

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:

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 with the requirements and their business model so that you can easily arrange different components of the application.



Admin Portal Features

Below are the key functionalities to be implemented in the admin portal. The admin should be able to:

Authorize the roles and guidelines for the user



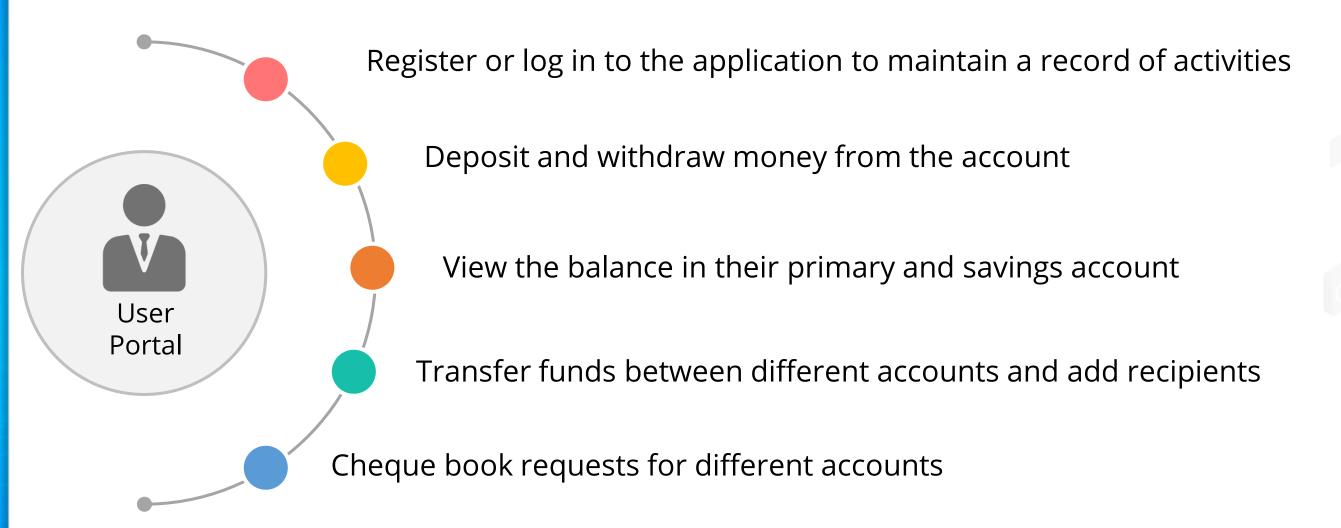
Grant access to the user regarding money transfer, deposits, and withdrawal

Block a user account in case of any threat and authorize cheque book requests

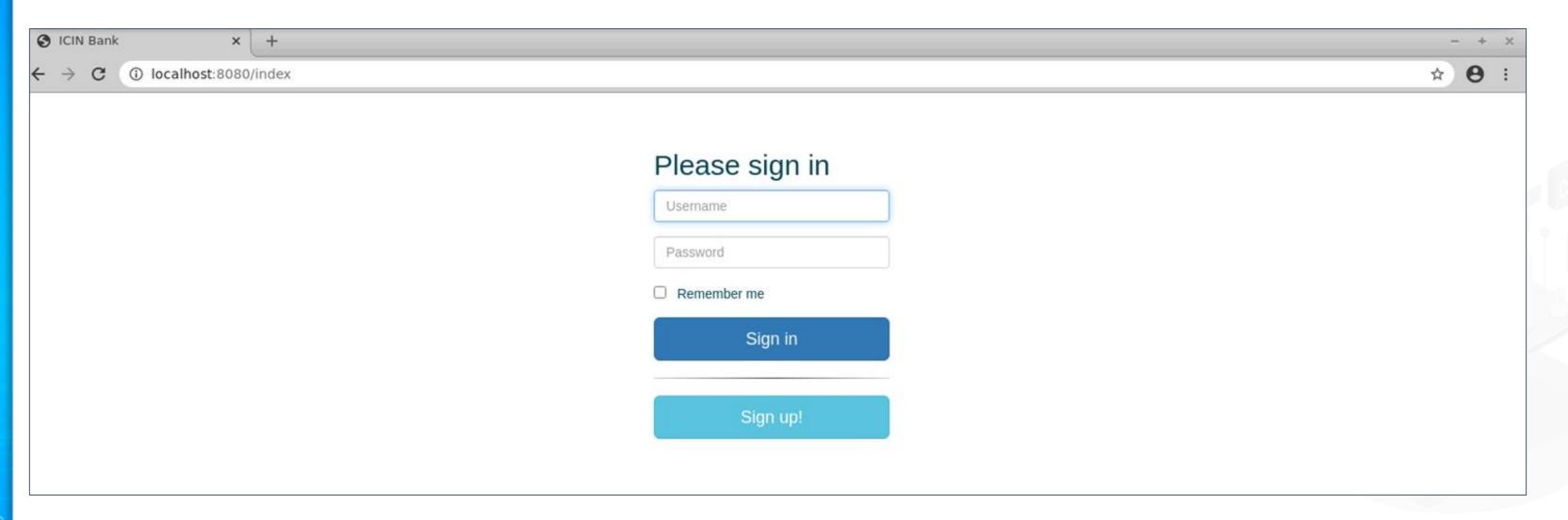


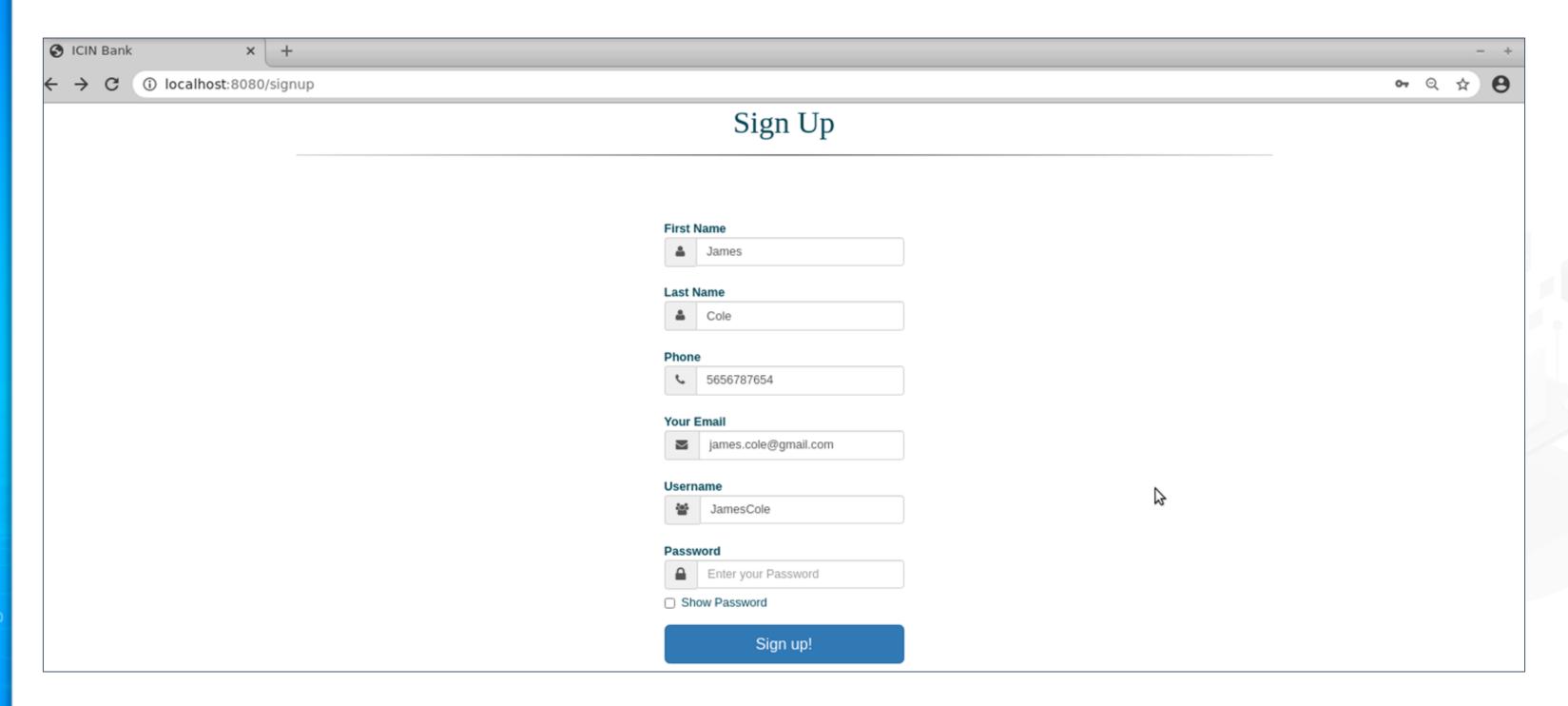
User Portal Features

Below are the key functionalities to be implemented in the user portal. The end user should be able to:

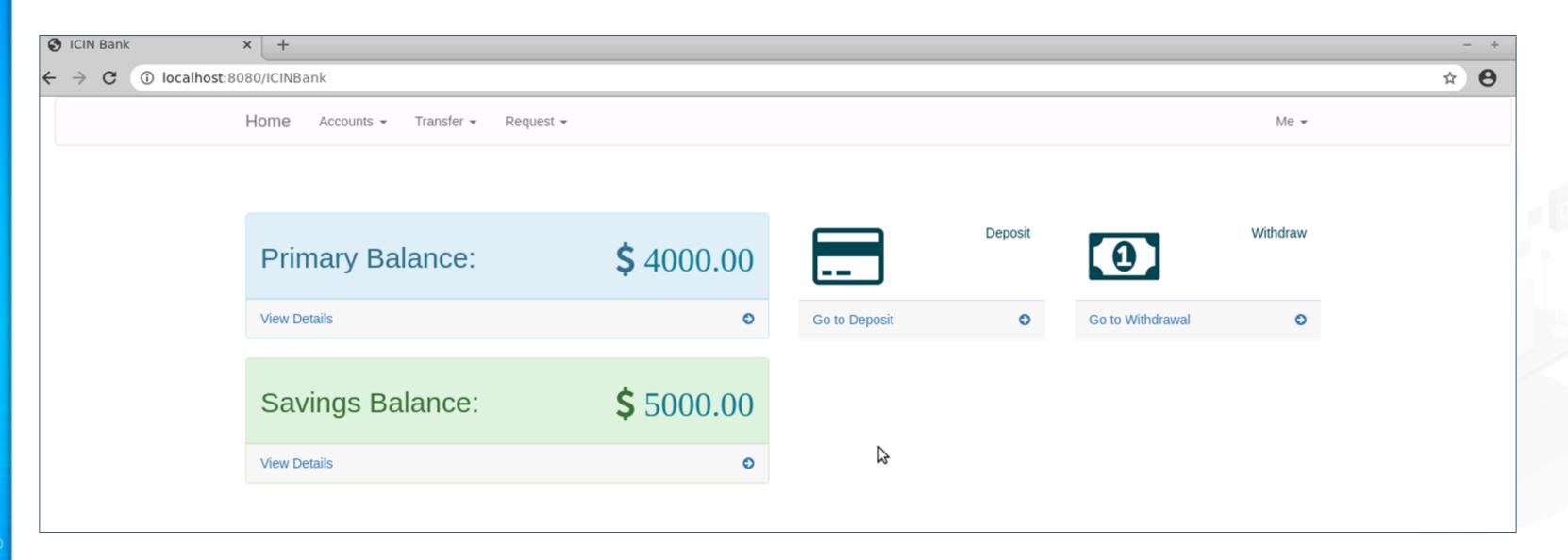




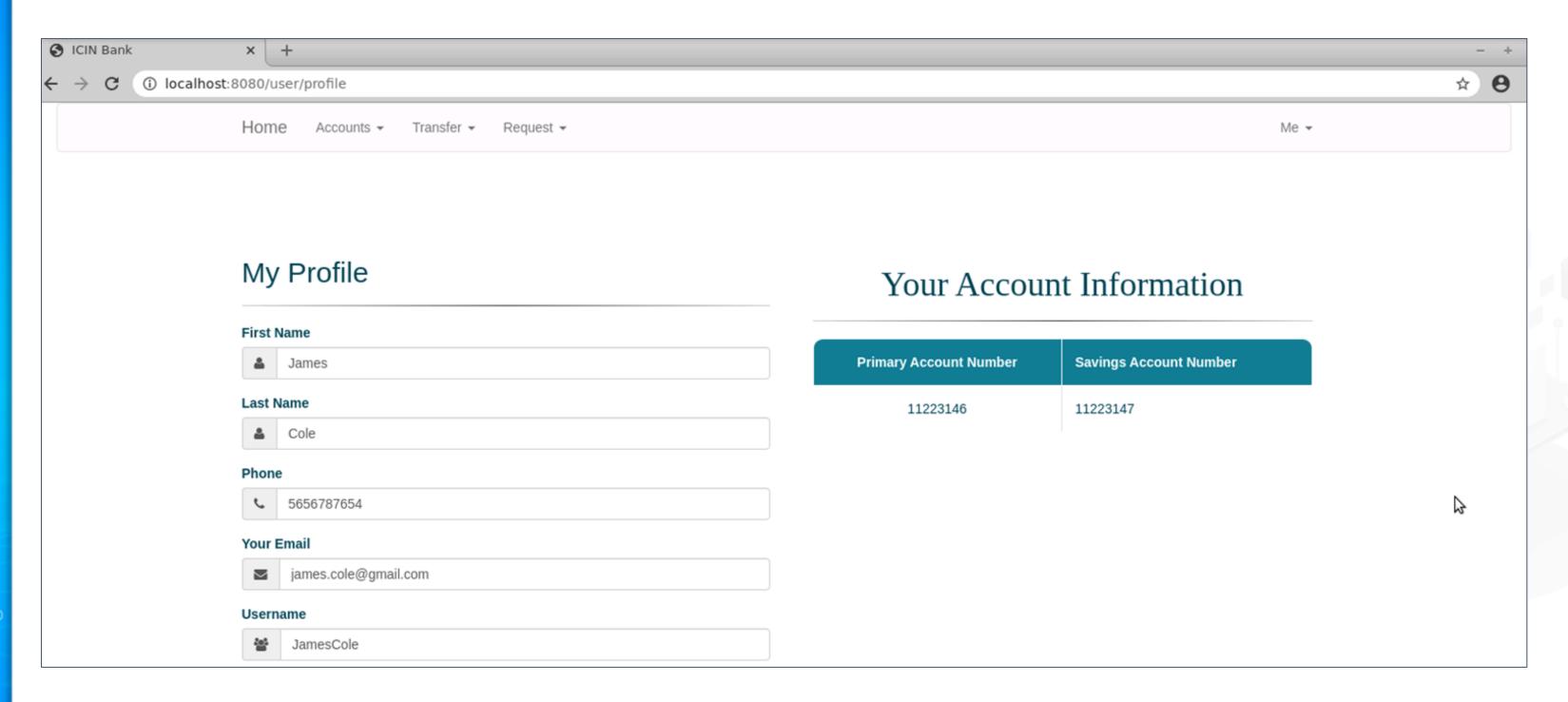




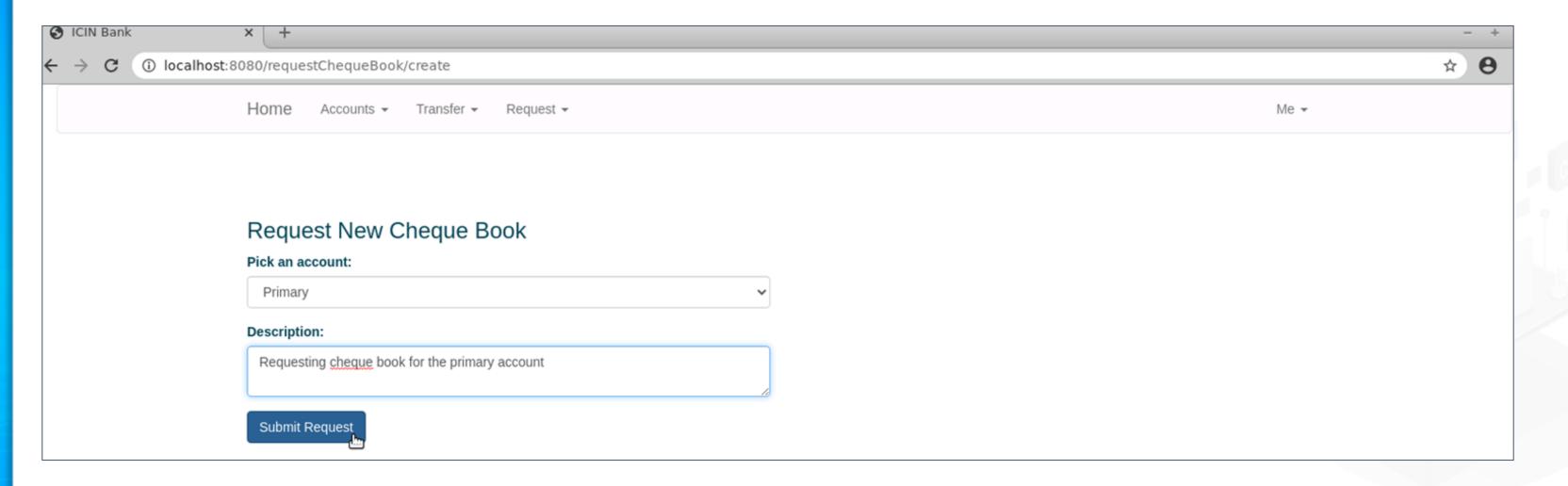


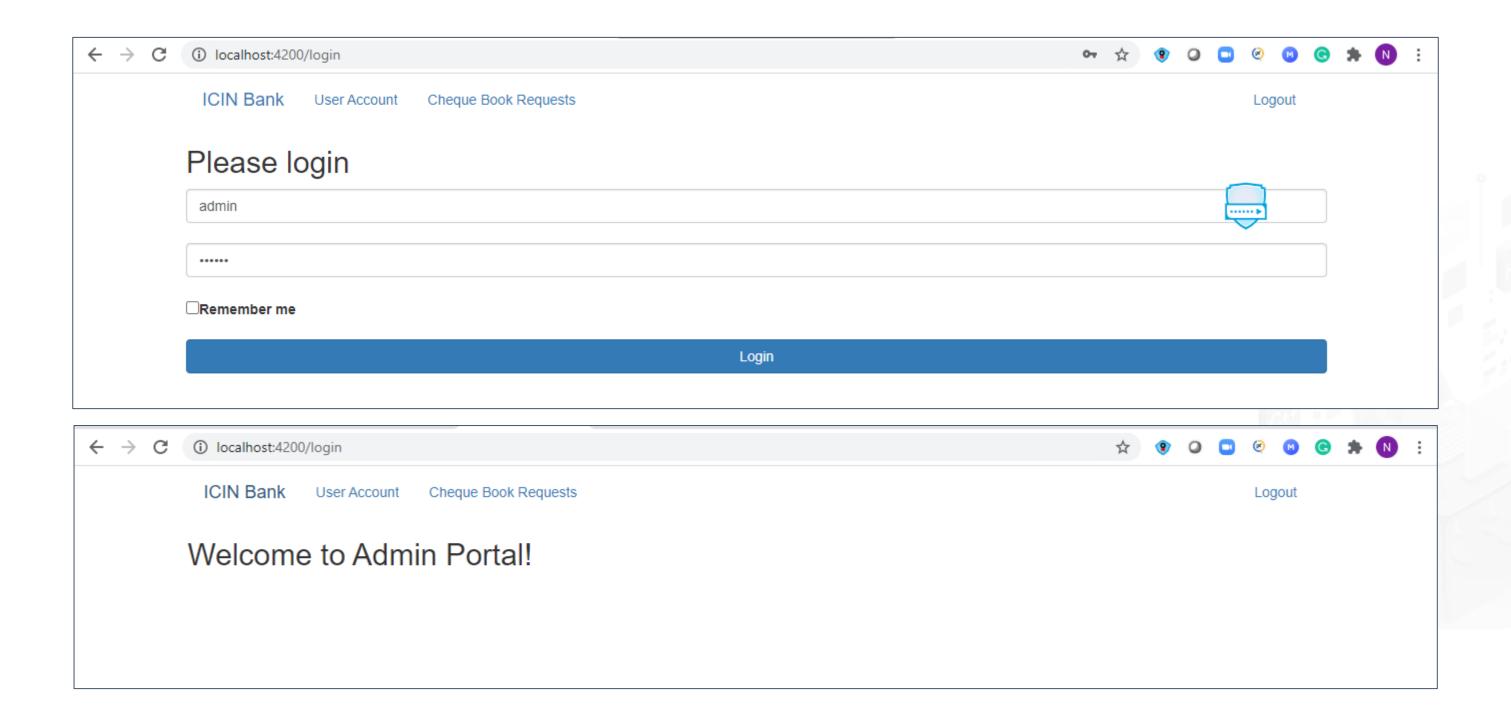




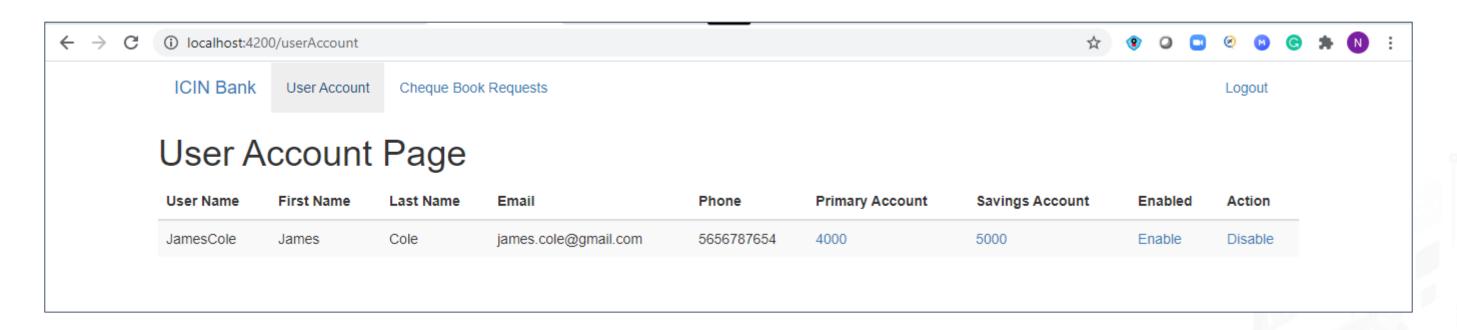


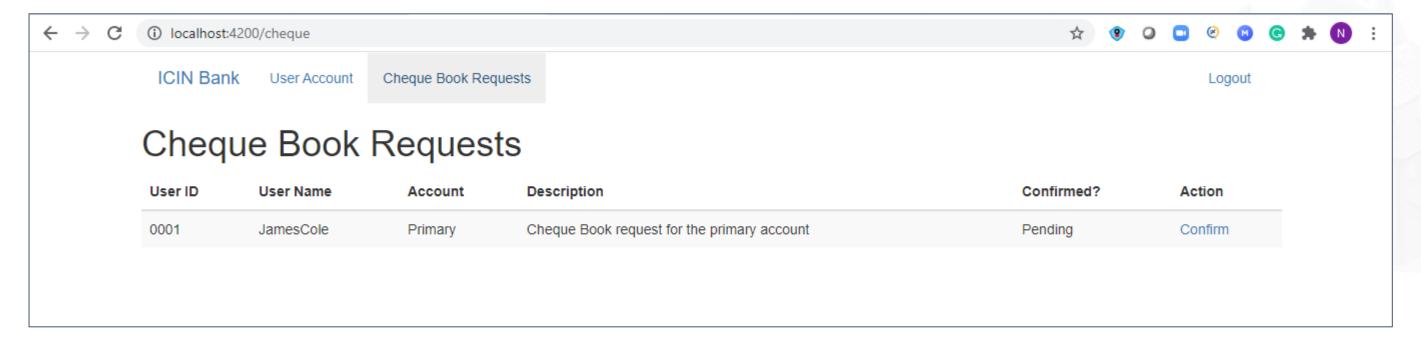














Thank You