

FoodBox

The code for the project is hosted on: [GitHub](#)

Project Developer: **Vijaysai Yekbote**

This document contains the following sections:

- [Sprint Planning](#)
- [Core Concepts used in project](#)
- [Product capabilities and source code](#)
- [Unique Selling point of the Application](#)
- [Conclusion](#)

Sprint Planning and Task Completion

The project is planned to be completed in three Sprints. The task assumed to be completed are:

Sprint 1:

- Deciding flow of the application
- Initializing Git repository to track changes of development
- Writing the backend source code
- Testing API with Postman

Sprint 2:

- Planning Frontend design
- Writing the frontend source code
- Providing API interface to communicate with backend server (Tomcat)

Sprint 3:

- Making Website mobile responsive
- Testing the application
- Pushing project to GitHub
- Creating documentation

Core Concepts Used in the Project

- Java
- Spring Boot
- MySQL DB
- Postman
- Reactjs for UI
- Redux for state management
- Bootstrap for mobile responsiveness

Product Capabilities

The User can use the following features:

1. Products
 - 1.1.Products Search.
 - 1.2.Product Sort category wise.
 - 1.3.View Purchase report in profile page.
 - 1.4.Manage Account like change password, mobile number.

The Admin can use the following capabilities:

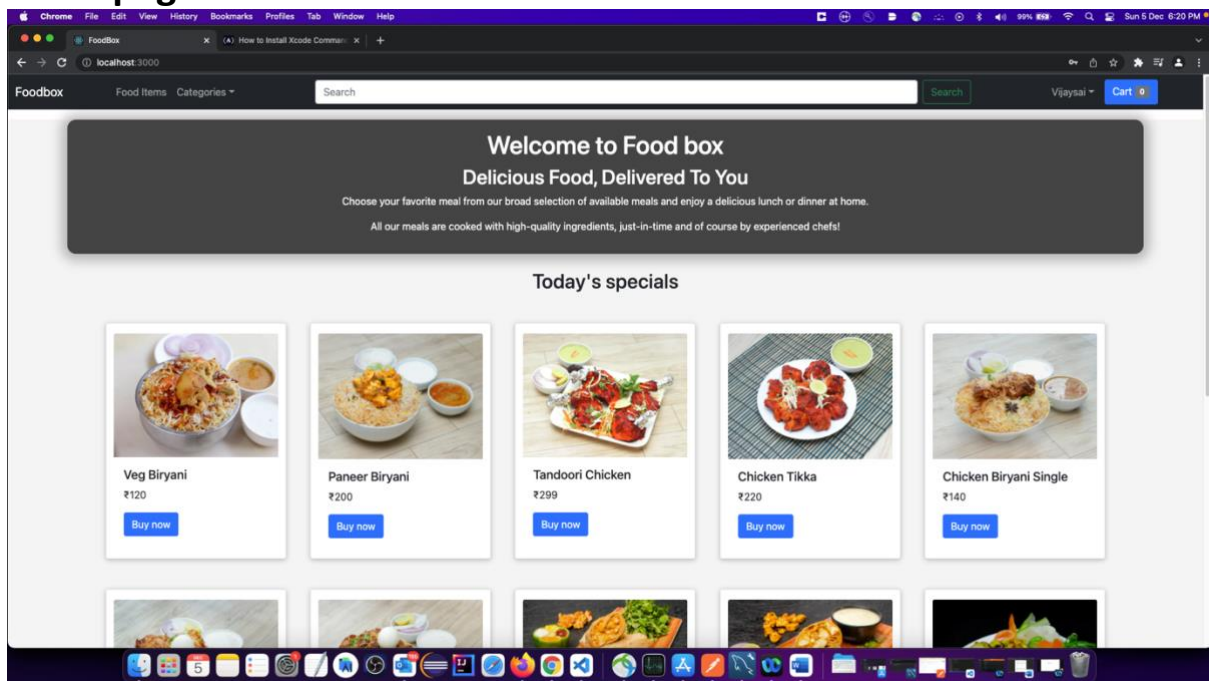
2. Products
 - 2.1.Products List
 - 2.2.Product Add
 - 2.3.Product Update
 - 2.4.Product Search by id
3. Users
 - 3.1. User List
 - 3.2.User Delete
 - 3.3.Admins list
 - 3.4.Admin delete

Source code for each of the capabilities with output is shown below:

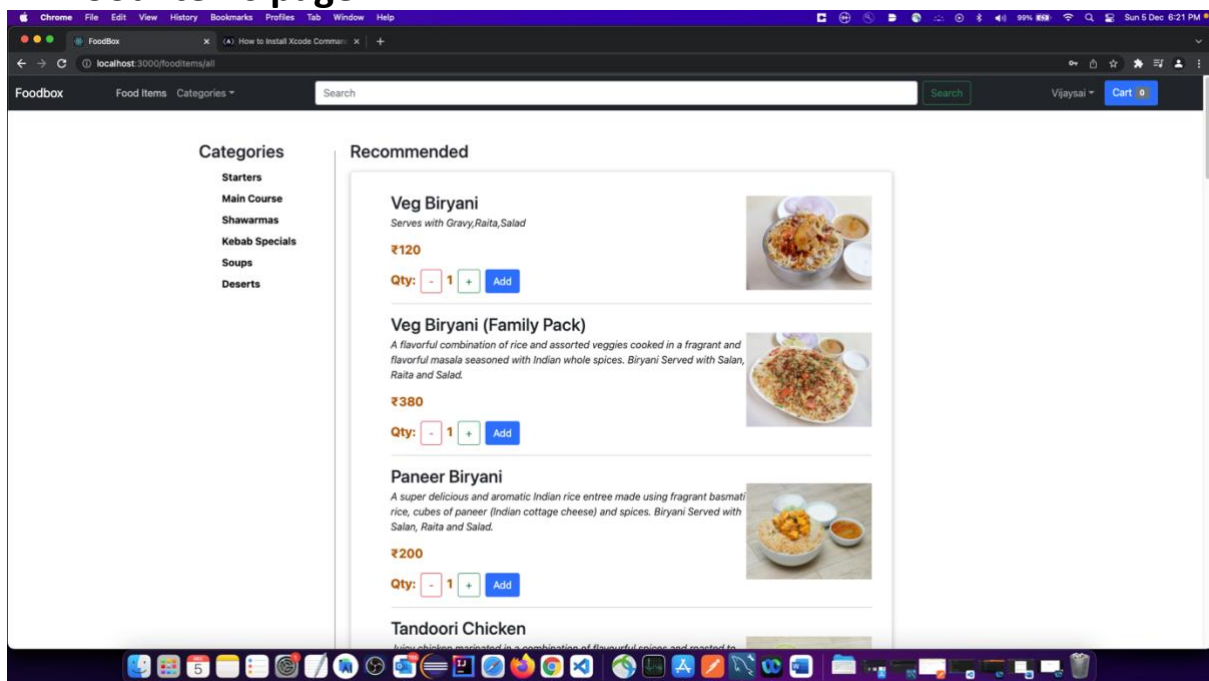
Note: Complete source code, respective servlets of the app is zipped please check zip/Gitrepo for reference.

←----- Images down below -----→

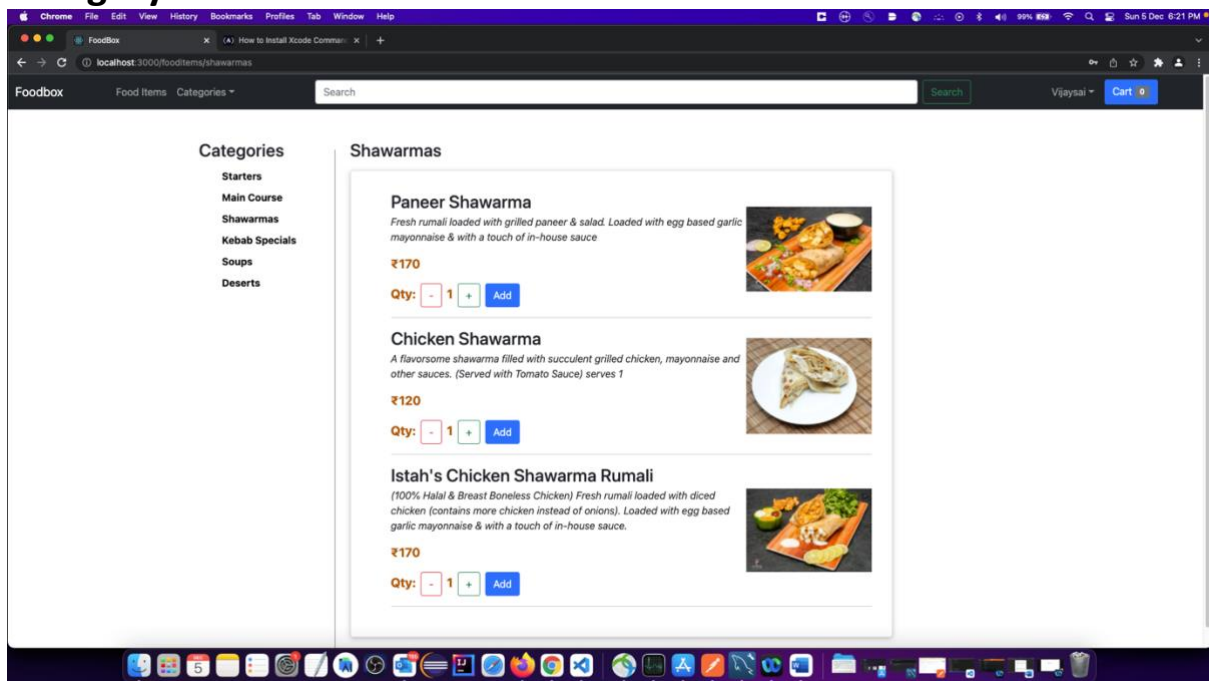
Homepage



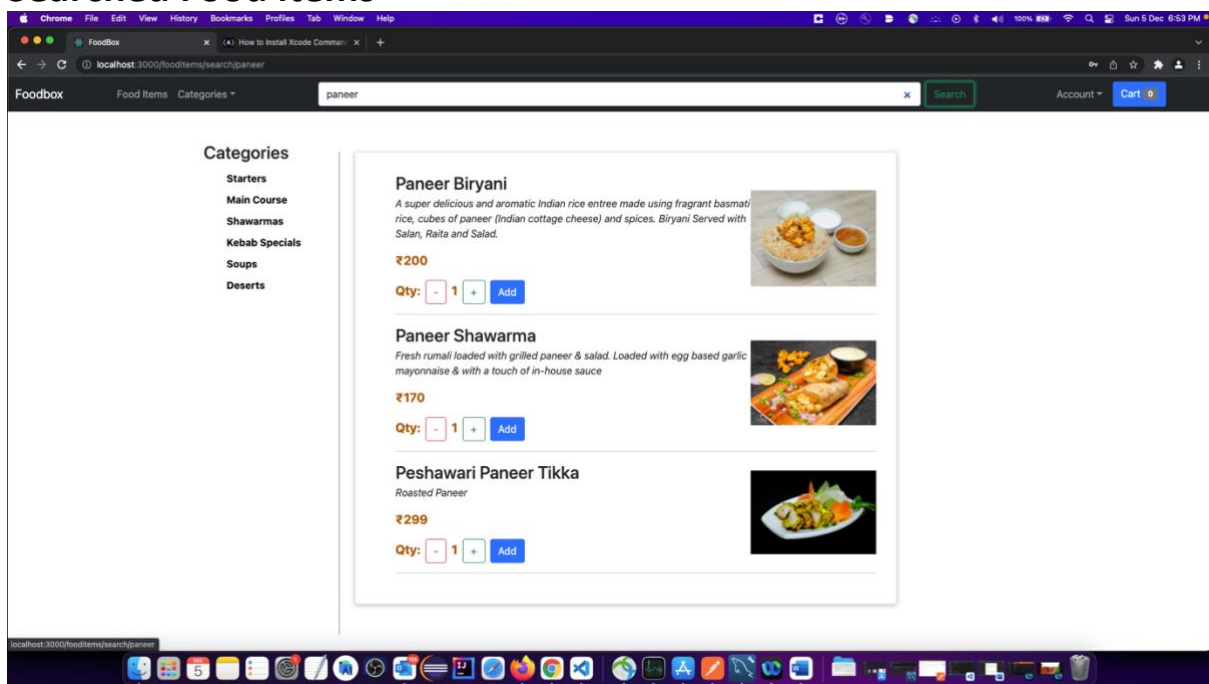
All Food items page



Category selected Food items



Searched Food items



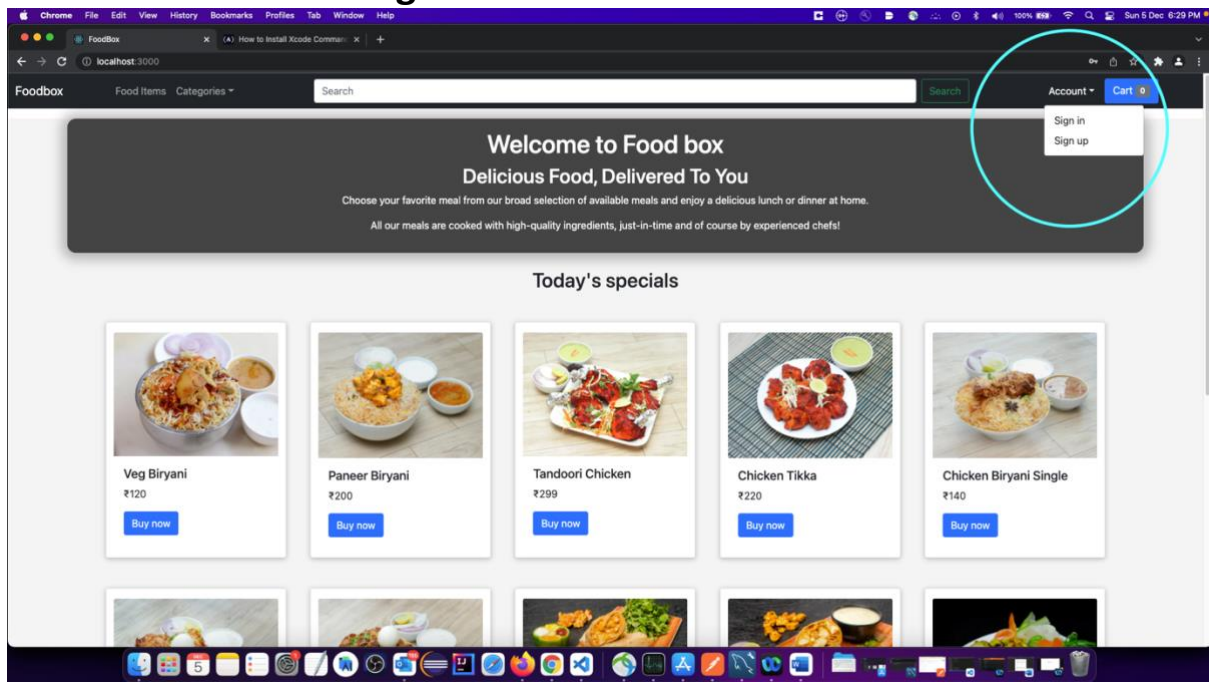
Login page

The screenshot shows a web browser window with the URL `localhost:3000/signin`. The page has a dark header with the "Foodbox" logo, navigation links for "Food Items" and "Categories", a search bar, and links for "Account" and "Cart". The main content area features a white "Login" form with the following fields: "Email address" (with placeholder "Enter email"), "Password" (with placeholder "Password"), and a blue "Submit" button.

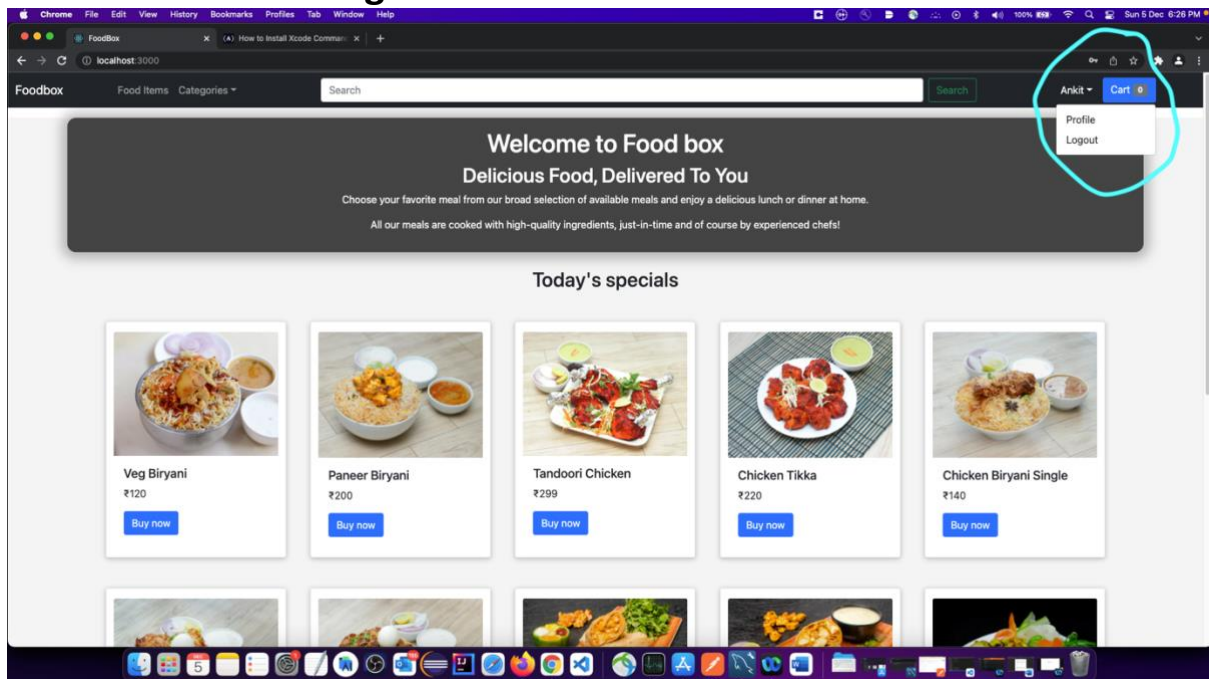
Sign up page

The screenshot shows a web browser window with the URL `localhost:3000/register`. The page layout is identical to the login page. The main content area features a white "Register" form with the following fields: "Username" (with placeholder "Enter username"), "Email address" (with placeholder "Enter email"), "Mobile No" (with placeholder "Enter Mobile"), "Password" (with placeholder "Password"), and "Confirm Password" (with placeholder "Password"). A blue "Register" button is located at the bottom of the form.

Navbar before user-login



Navbar after user-login



User profile page

The screenshot shows a web browser window with the URL `localhost:3000/user`. The page has a dark header with the 'Foodbox' logo, navigation links for 'Food Items' and 'Categories', a search bar, and a user profile section with the name 'Ankit' and a 'Cart' icon. The main content area is divided into two columns. The left column contains links for 'Manage Account' and 'Recent Orders'. The right column is titled 'Recent Orders' and displays a table of the user's recent purchases.

Products	Purchase Date	Total Amount
Paneer Tikka ₹299 qty: 1, Peshawari Paneer Tikka ₹299 qty: 1	01/12/2021, 10:11:53	₹598
Tandoori Chicken ₹299 qty: 1, Grill Chicken ₹220 qty: 1	02/12/2021, 14:09:10	₹519
Paneer Biryani ₹200 qty: 1	05/12/2021, 13:33:54	₹200

User Manage account page

The screenshot shows the 'User Manage account page' in the same web browser. The header and navigation are identical to the previous page. The main content area has a left sidebar with 'Manage Account' and 'Recent Orders' links. The right section is titled 'Account' and contains a form for managing the user's profile. The form includes fields for Username, Change Password, Confirm Password, and Mobile No, each with a corresponding input field. A 'Confirm' button is located at the bottom of the form.

Username
Ankit

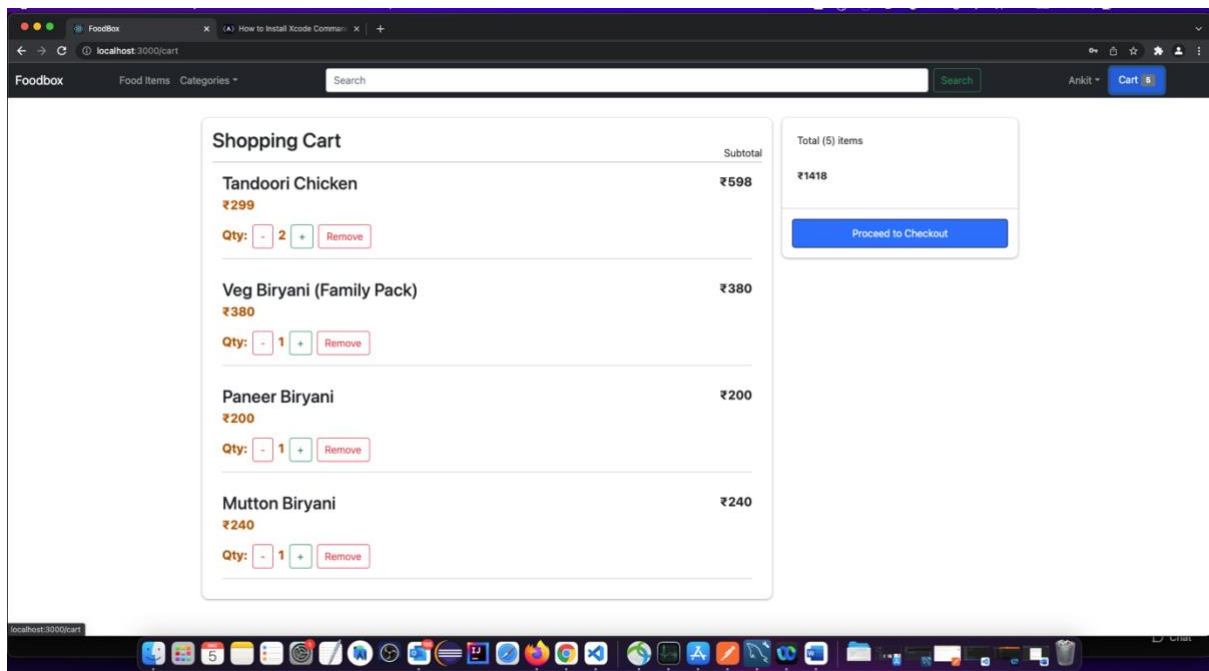
Change Password

Confirm Password
Password

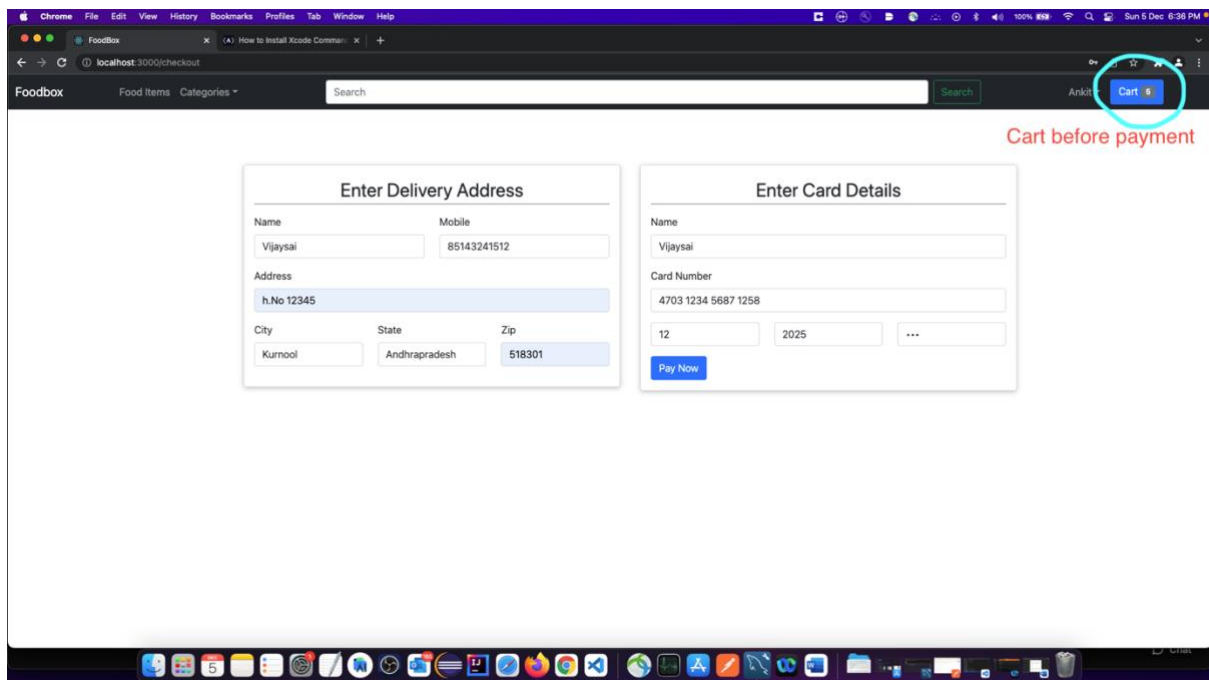
Mobile No
9876451214

Confirm

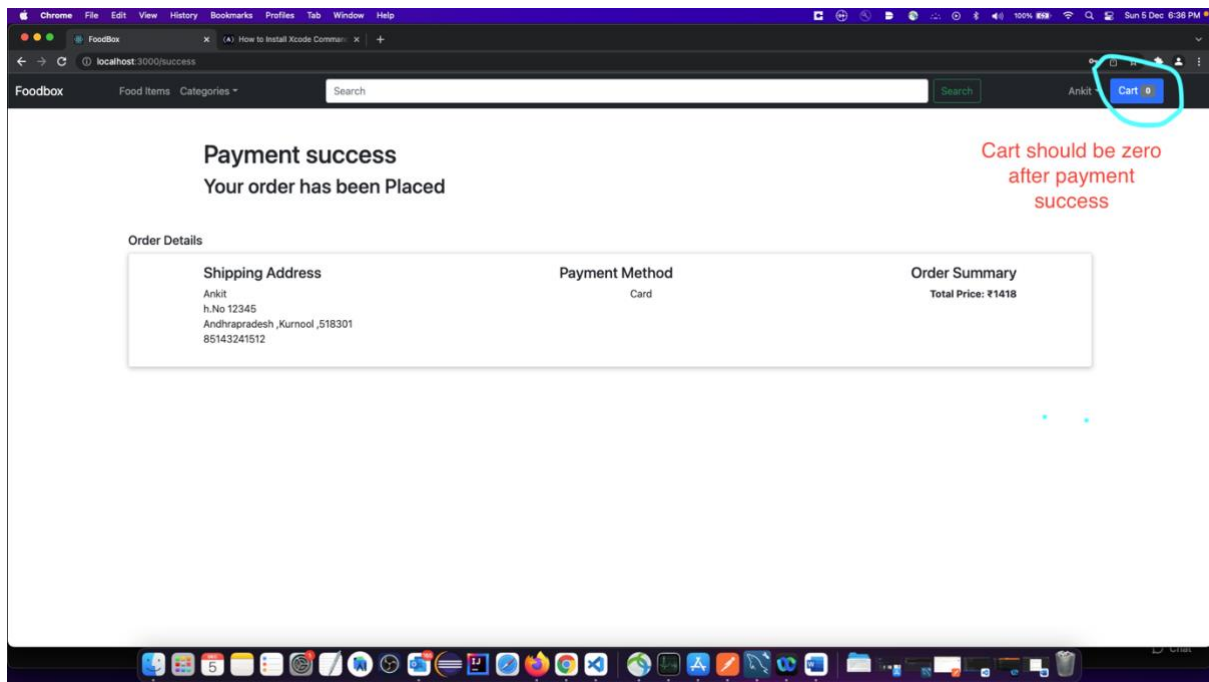
Cart page with order customization



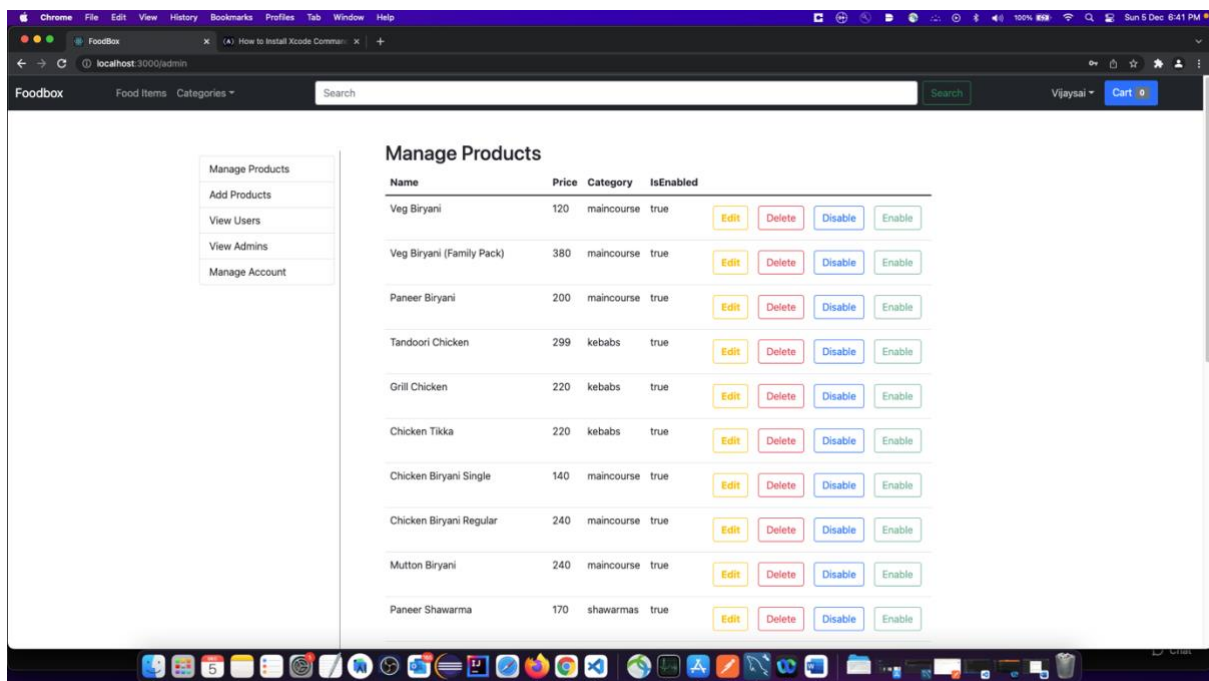
Checkout page



Payment- success-page



Admin dashboard



Add products page

The screenshot shows the 'Add Products' page in the Foodbox admin interface. The page has a dark header with the 'Foodbox' logo, navigation links for 'Food Items' and 'Categories', a search bar, and a user profile for 'Vijaysai' with a 'Cart' icon. On the left, a sidebar menu contains links for 'Manage Products', 'Add Products', 'View Users', 'View Admins', and 'Manage Account'. The main content area is titled 'Add Products' and contains several input fields: 'Name' (with placeholder 'Enter Product Name'), 'Description' (with placeholder 'Description'), 'Image Source' (with placeholder 'Image URL'), 'Category' (with placeholder 'Enter Category'), and 'Price' (with placeholder 'Enter Price'). A blue 'Confirm' button is at the bottom of the form.

User list in admin page

The screenshot shows the 'Users List' page in the Foodbox admin interface. The page layout is identical to the 'Add Products' page. The main content area is titled 'Users List' and displays a table of users. The table has columns for 'id', 'Name', 'Email', 'Mobile', and a 'Delete' button for each user.

id	Name	Email	Mobile	
43	Vijaysai	vijaysai@vijay.com	9704948844	Delete
45	Ankit	ankit@vijay.com	9876451214	Delete
95	Bharath	bharath@foodbox.com	85123345321	Delete
96	Aishwarya	aishwarya@foodbox.com	532132	Delete

Admin edit products

The screenshot shows a web browser at localhost:3000/admin. The page has a header with 'Foodbox', 'Food Items', 'Categories', a search bar, and a user profile 'Vijaysai' with a 'Cart' button. A sidebar on the left contains links: 'Manage Products', 'Add Products', 'View Users', 'View Admins', and 'Manage Account'. The main content area is titled 'Edit Products' and contains the following form fields:

- Name: Veg Biryani
- Description: Serves with Gravy,Raita,Salad
- Image Source: https://res.cloudinary.com/swiggy/image/upload/fl_i
- Category: maincourse
- Price: 120

A blue 'Confirm' button is located at the bottom of the form.

Admins manage account

The screenshot shows the same web browser at localhost:3000/admin, but the 'Manage Account' option in the sidebar is selected. The main content area is titled 'Manage Account' and contains the following form fields:

- Username: Vijaysai
- Change Password:
- Confirm Password: Password
- Mobile No: 123456789

A blue 'Confirm' button is located at the bottom of the form.

Unique Selling Points of the Application:

1. Fluid UI and responsive
2. Easy interaction within the UI
3. The application is designed to keep on running and taking user inputs even after exceptions occur.
4. Can search for product by different parameters such as category, keywords.
5. Front-end page will not crash even if server is down.
6. Secure -> user cannot checkout without logging in.
7. Persistent -> State of the webpage doesn't get cleared with sudden refresh of the page.

Conclusion:

Further improvements to the application can be done which may include:

- Improved design
- Let users choose different payment methods.