

# Databases and Information System

## Project Report

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### **Project Proposal**

#### **Topic :**

Our project is the 'Online Restaurant Management System' for our restaurant UduppiSagar. Our website is a customer-end support management system meant for management of ordering food at our restaurant with the given food items in the menu.

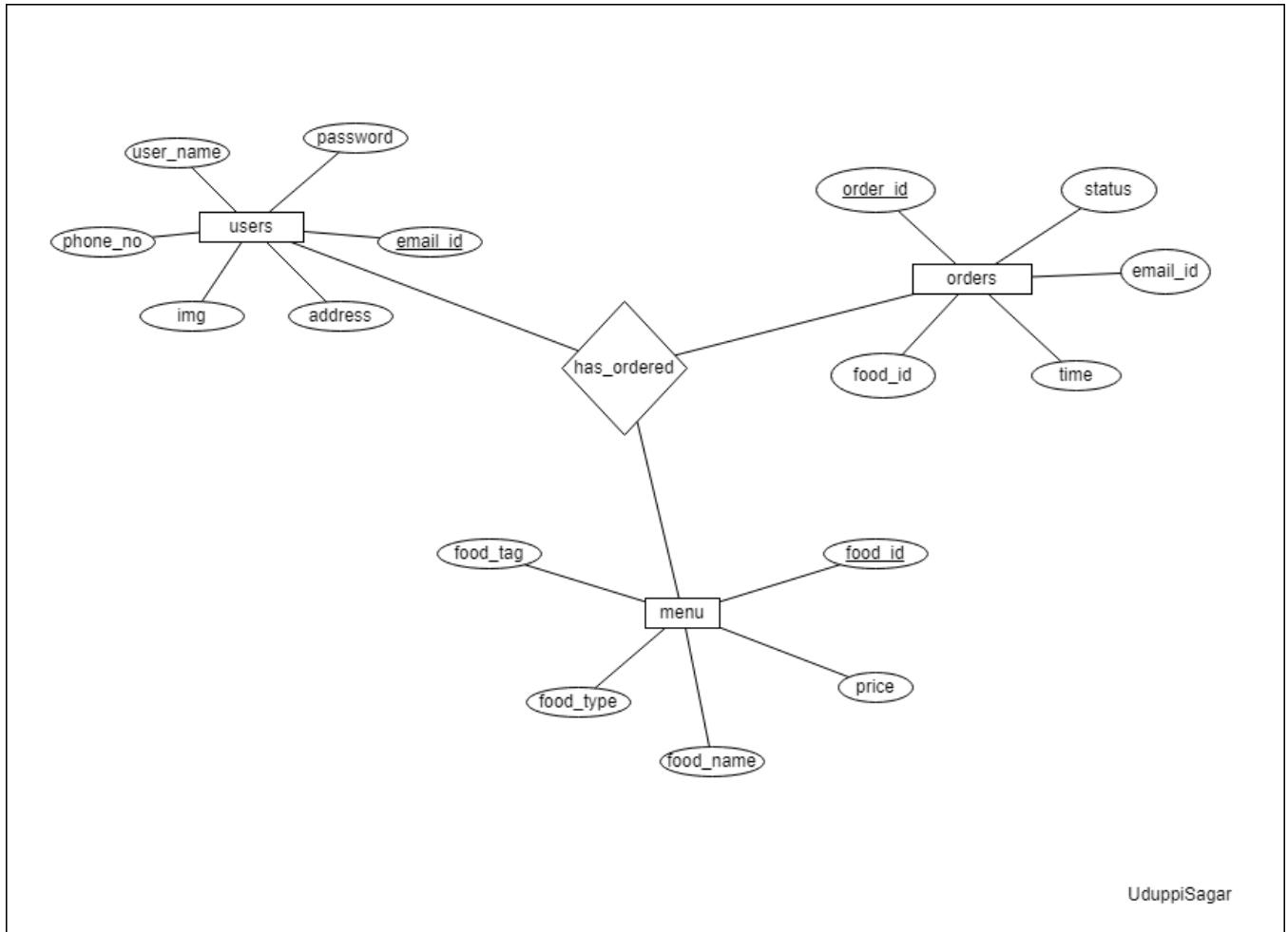
#### **Technologies used :**

Here, we have implemented all client-side web UI/UX using the technologies Java (Servlets), Sevlet API, JSP, HTML, CSS & MySQL.

#### **Features :**

- Added Sign-up, Login and Logout feature.
- User can add food items to his cart by browsing through the menu.
- User can discard items before proceeding for checkout in cart.
- User can choose payment options to perform payment {right now only cash on delivery is available.}
- After payment process is complete, the cart is emptied and sent to past orders.
- User can view all his past orders in View Orders link.

## E-R Model



## Relational Schema

- `users(email_id, user_name, password, phone_no, img, address)`,
- `menu(food_id, food_name, food_type, food.tag, price)`,
- `orders(order_id, email_id, food_id, time, status)`  
foreign key `email_id` references `users`,  
foreign key `food_id` references `menu`)

## **Workflow and Pages**

So, the first page that is displayed in our website is the home.jsp file where user has option go View Menu(menu.jsp) or View Orders(allorders.jsp:To view all past orders. Note: this option is functionally available only when the user has signed in, otherwise you will be redirected to the signup/login page.)

### **Dashboard**

The Dashboard consists of page links : Home that links to home.jsp, Menu that links to menu.jsp, About Us that links to aboutus.jsp Cart option to go the user's cart(cart.jsp).

#### **menu.jsp**

User can view the menu and add the various food items into their cart.

#### **cart.jsp**

User can view the cart and proceed for payment. Here, user can choose to discard a few items if he likes. In the payment portal, the total cost of the items is calculated and displayed to user.

#### **allorders.jsp**

Displays all past orders that have been confirmed for delivery.

#### **signup.jsp**

Form for user signup. It has the auto-validate feature to check if the given user-id is not already registered on our website and will display error message on signup page accordingly.

#### **signin.jsp**

Authenticates the user and creates the session for the user.

### **Servlets**

AddServlet.java : Adds new user details on signup to our database,  
Addtocart.java : Adds food items to our user's cart for proceeding for checkout,  
Authenticate.java : Authenticate the user who is signing in,  
Deletefromcart.java : Discard items from the cart,  
Logoutservlet.java : Logout User and destroy the session,  
Orderfood.java : Forwarding details of entire past orders.

## Screenshots :

The screenshot shows the homepage of the Uduppi Sagar website. At the top, there is a dark banner with the text "A Taste You'll Remember." and "Where every flavor tells a story." Below the banner are two buttons: "View Menu" and "Your Orders". The main content area features three images of food: a pizza with melted cheese, a bowl of biryani, and a double cheeseburger.

The second screenshot shows the "Menu" section of the website. A sub-menu for "Starters" is open, displaying an image of bread rolls with the caption "Item : Bread Roll" and "Cost : ₹ 30". There is also an "Add" button.

Main Course

Item : Paneer Tikka Masala

Cost : ₹ 120

Add

Item : Matar Paneer

Snacks

Item : Banana Chips

Cost : ₹ 10

Add

Item : Samosas

**UduppiSagar.**

Drinks

Item :  
Masala  
Chai

Cost : ₹ 15

Add

Item :  
Lassi

Home Menu About Us Sign Up/Login

SIGN UP

Username

Password

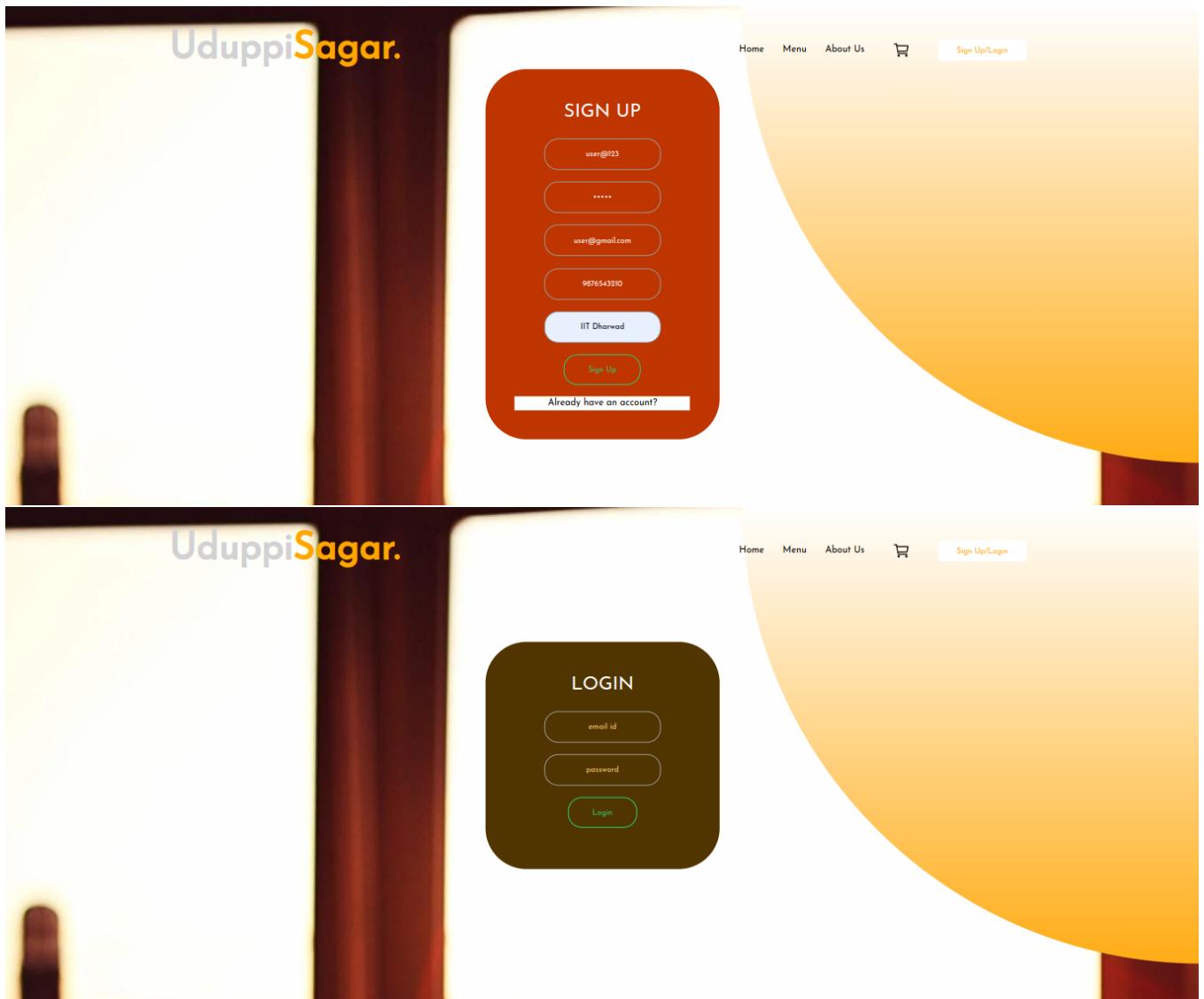
Email

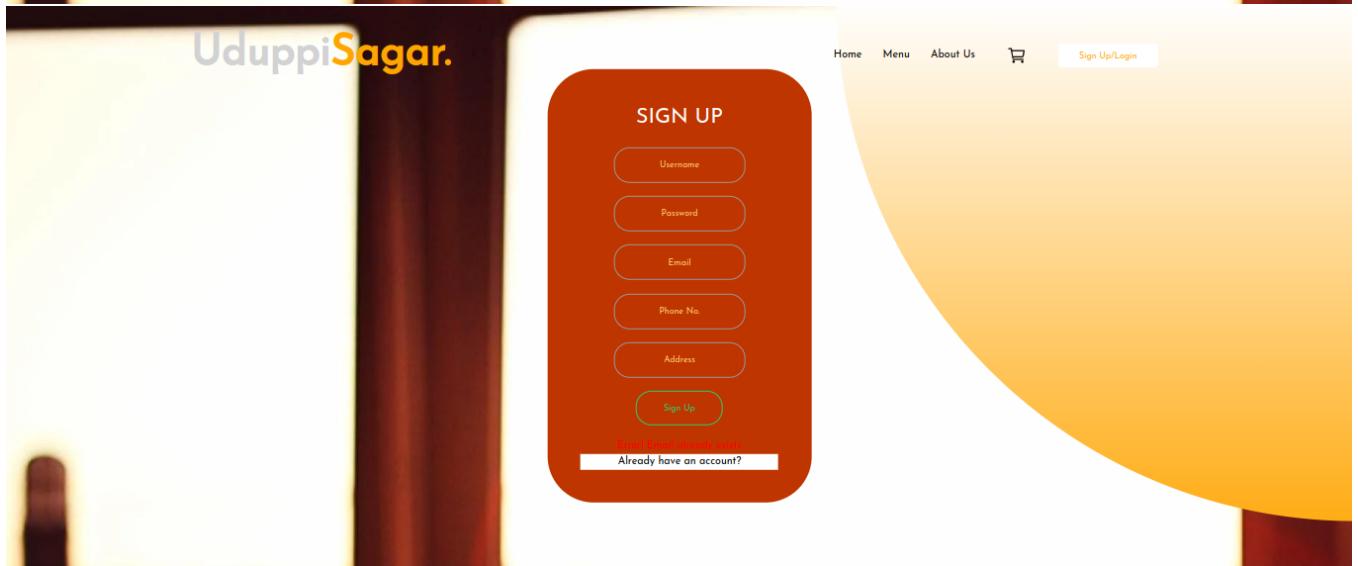
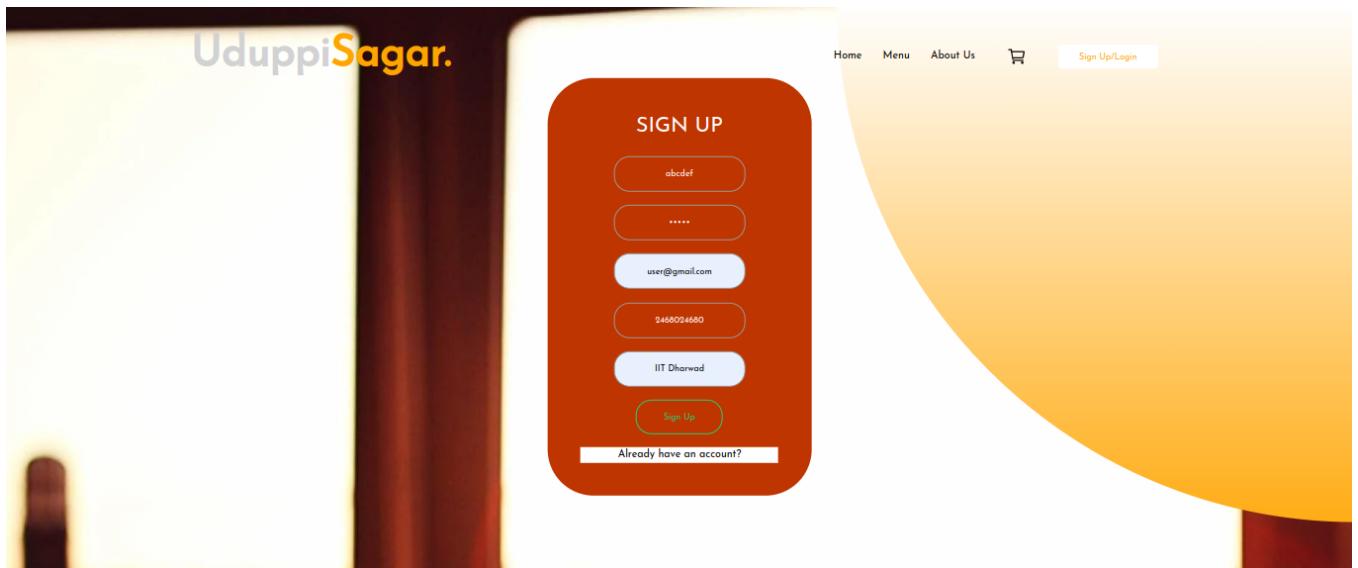
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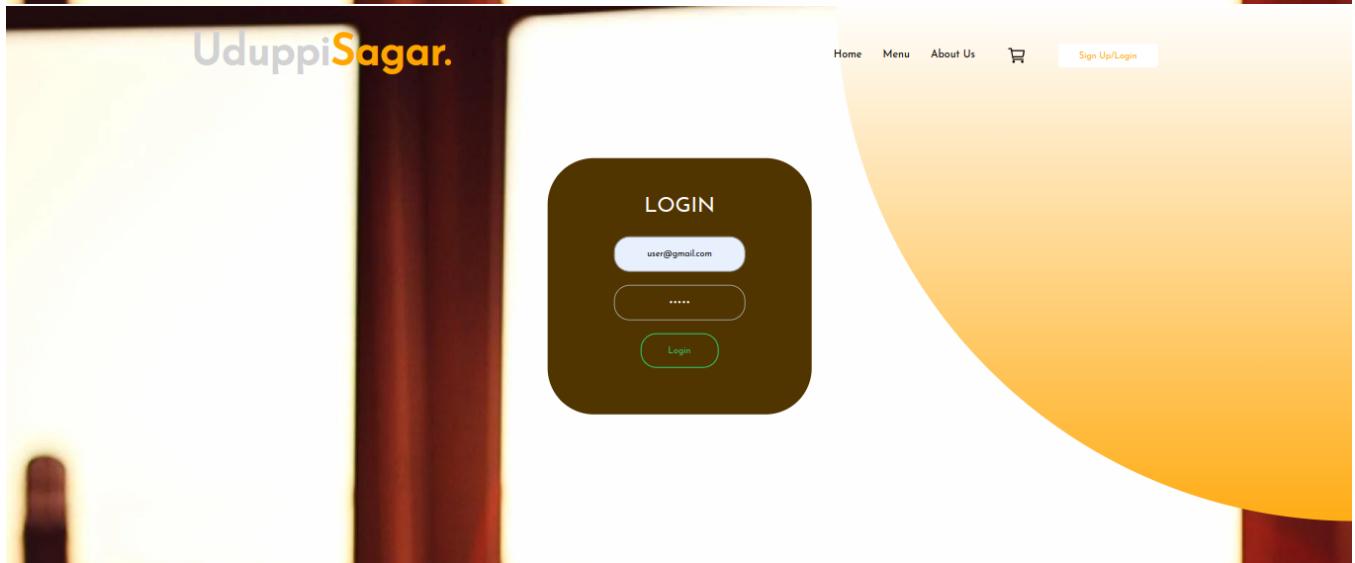
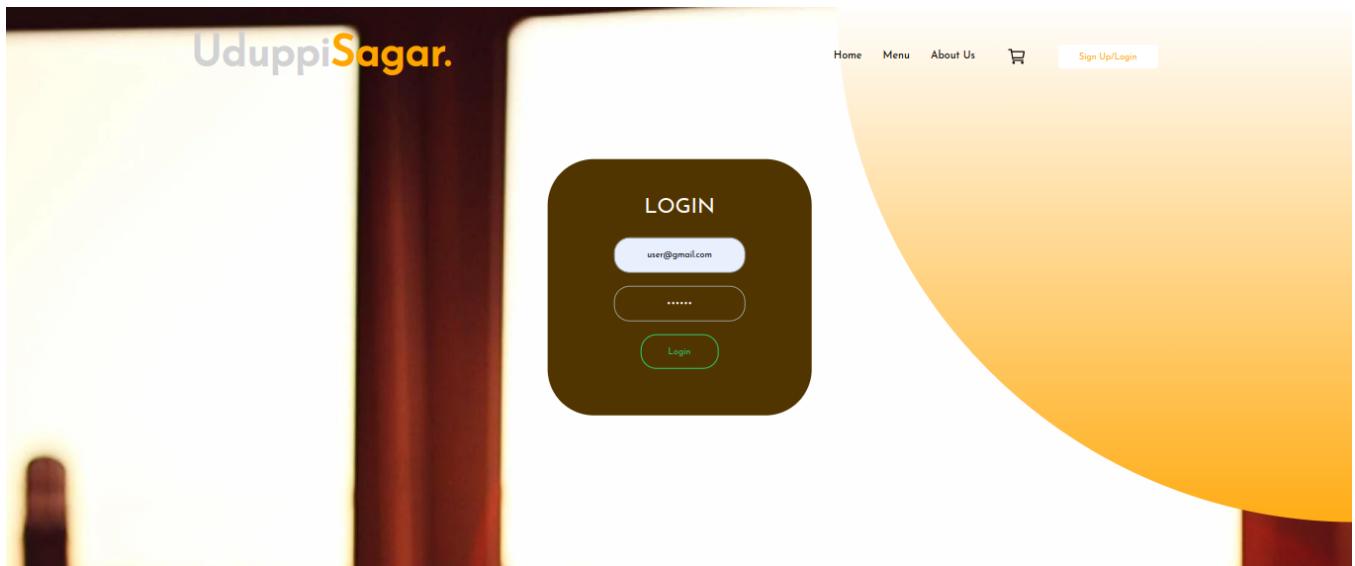
Address

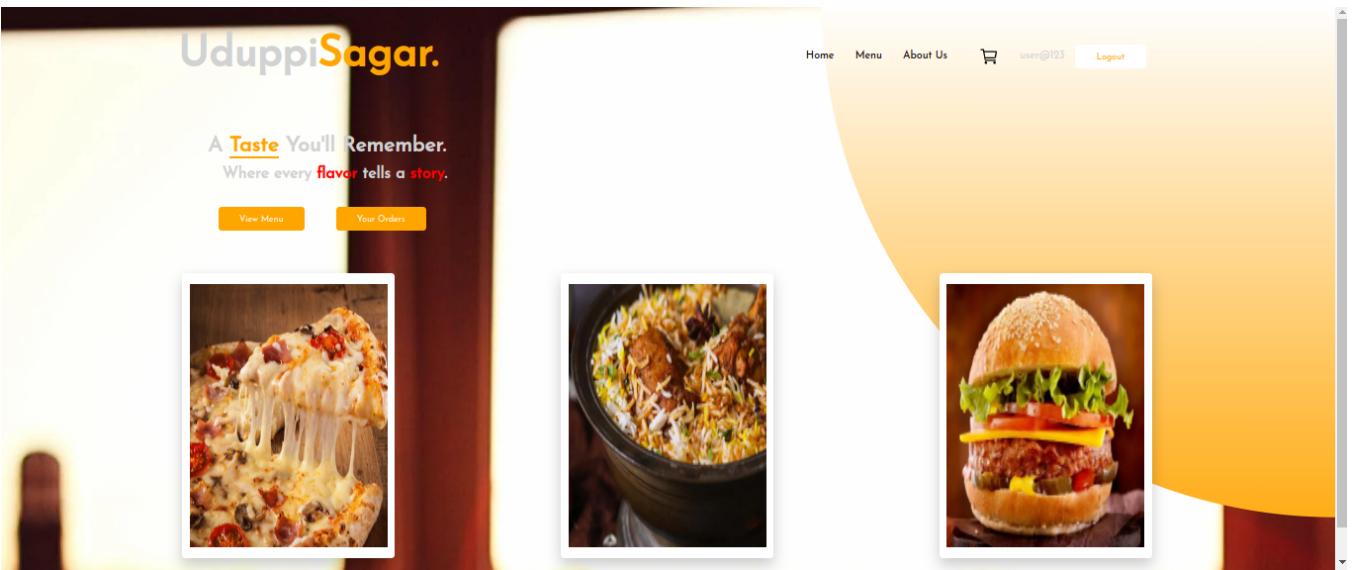
Sign Up

Already have an account?

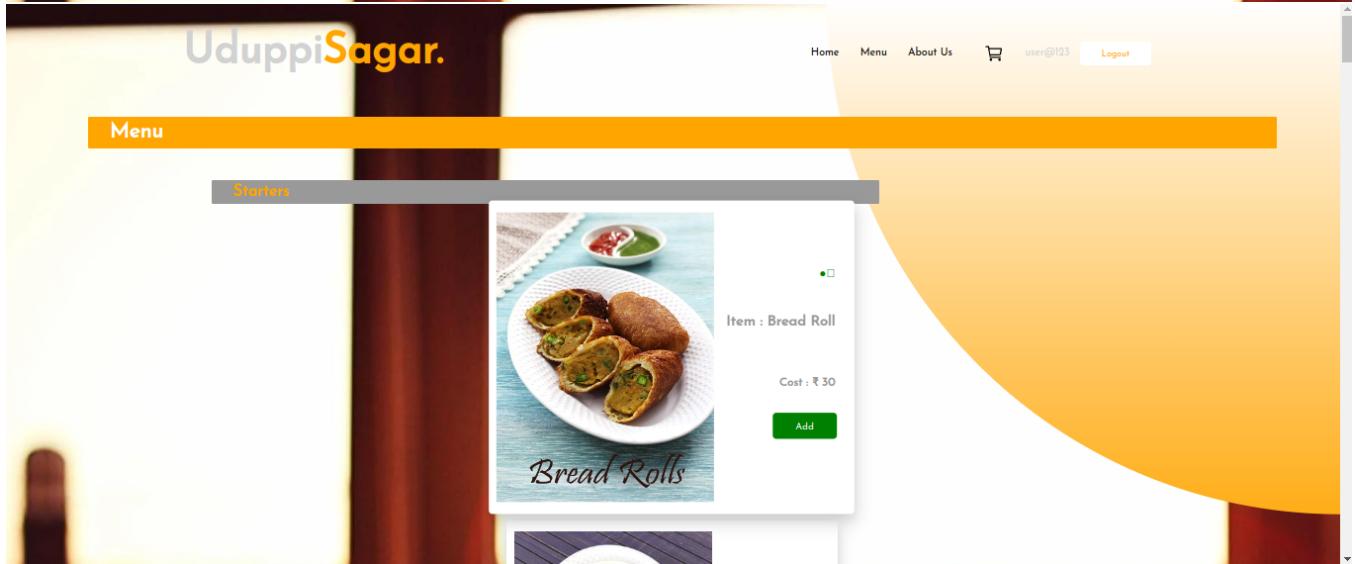
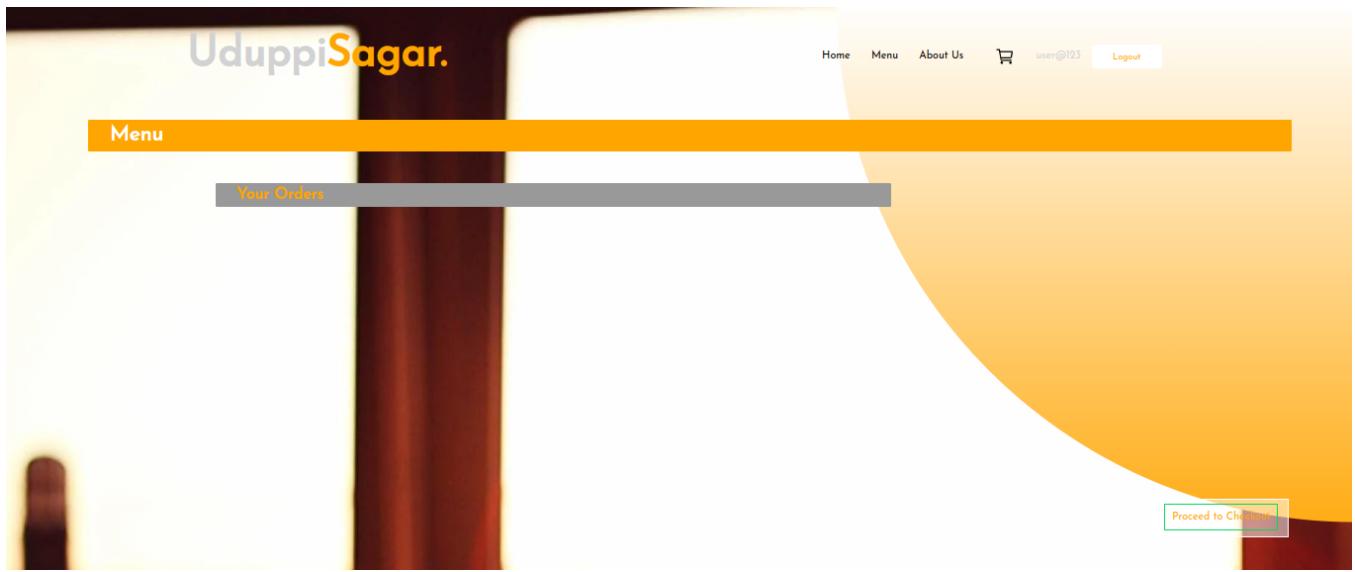


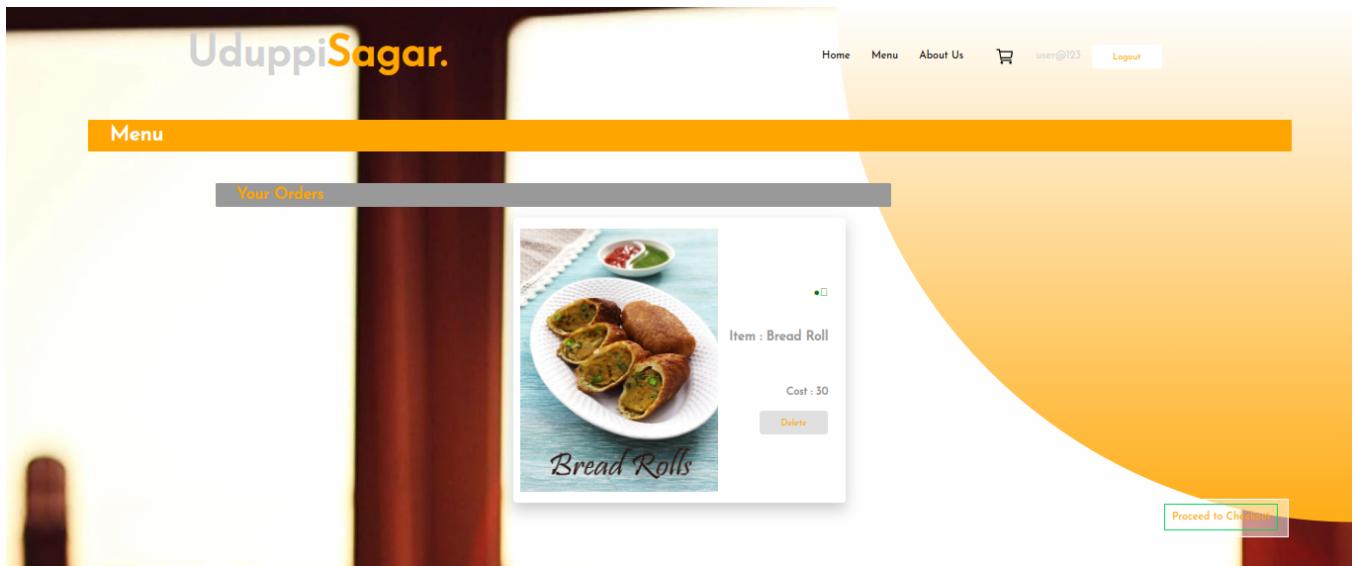




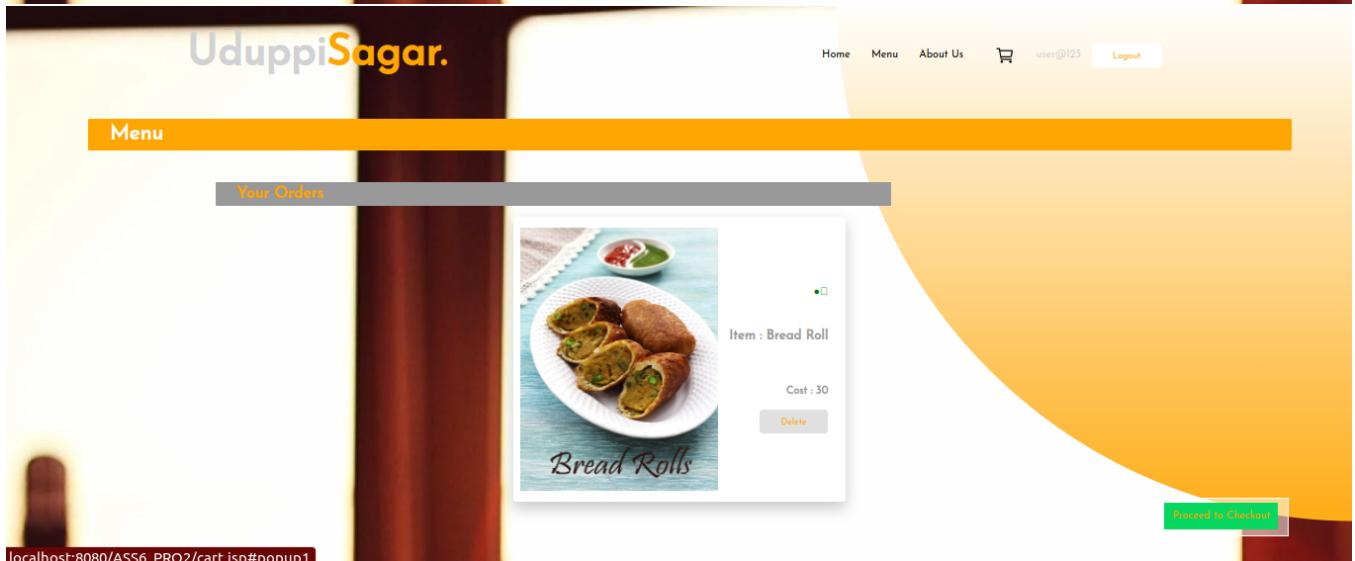


The image shows the "Starters" section of the Uduppi Sagar website menu. At the top left is the logo "UduppiSagar." Below it is a "Menu" link. The "Starters" link is highlighted with a grey background. On the right, there is a detailed view of a "Bread Roll" dish with a price of ₹ 30 and an "Add" button.

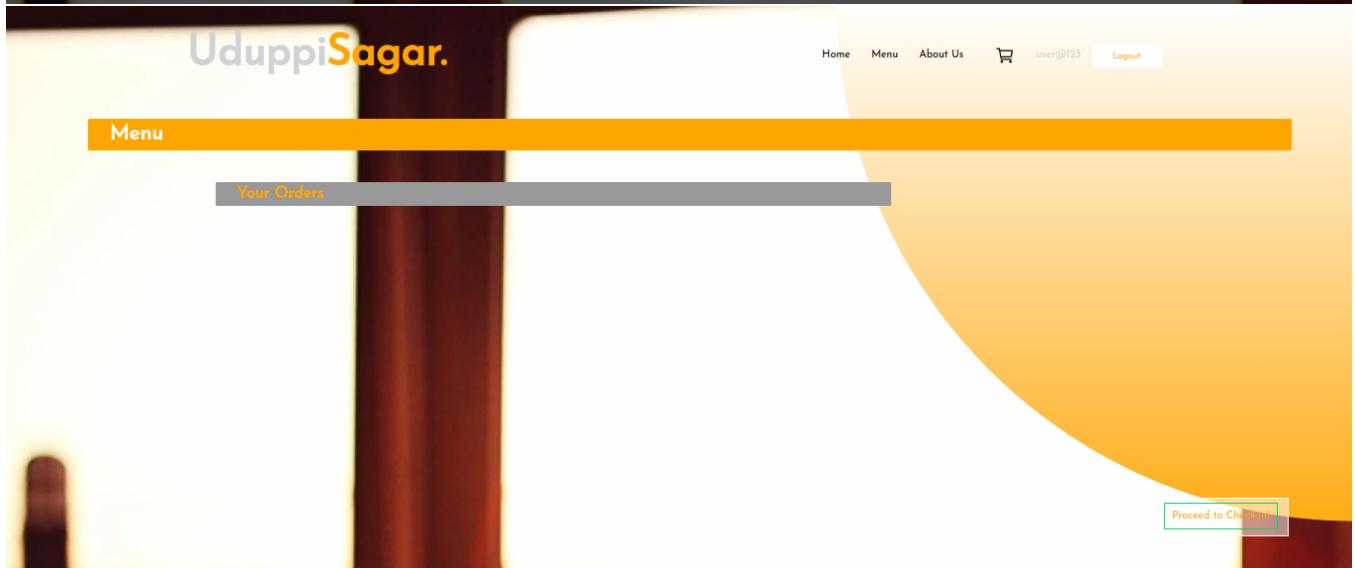
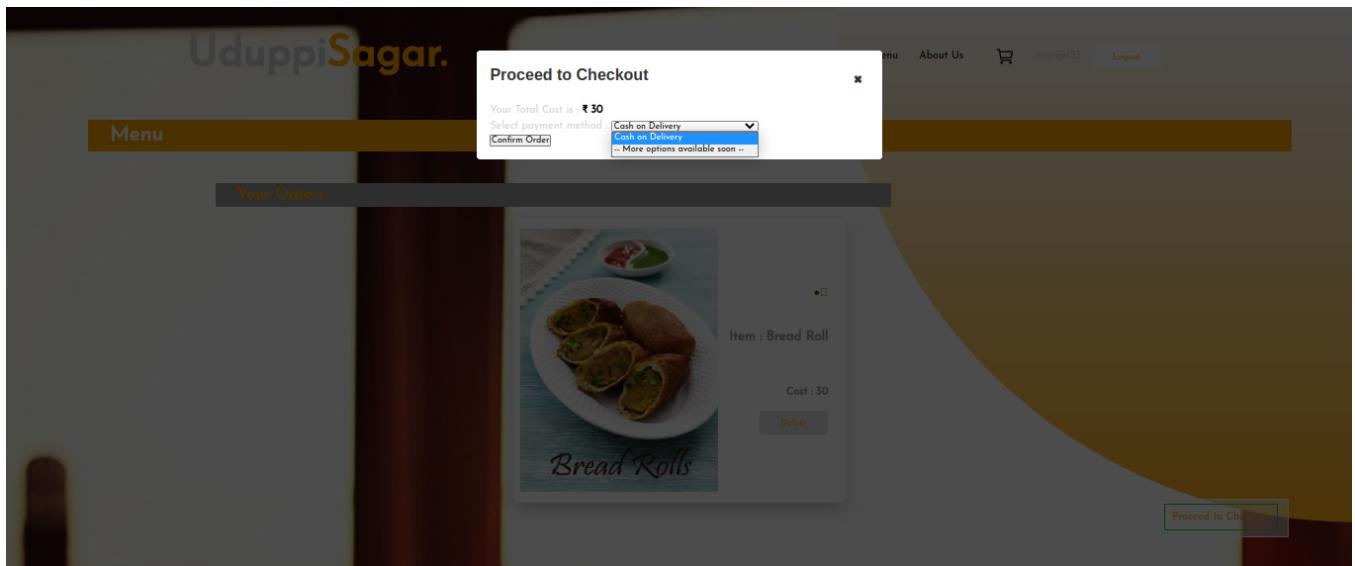


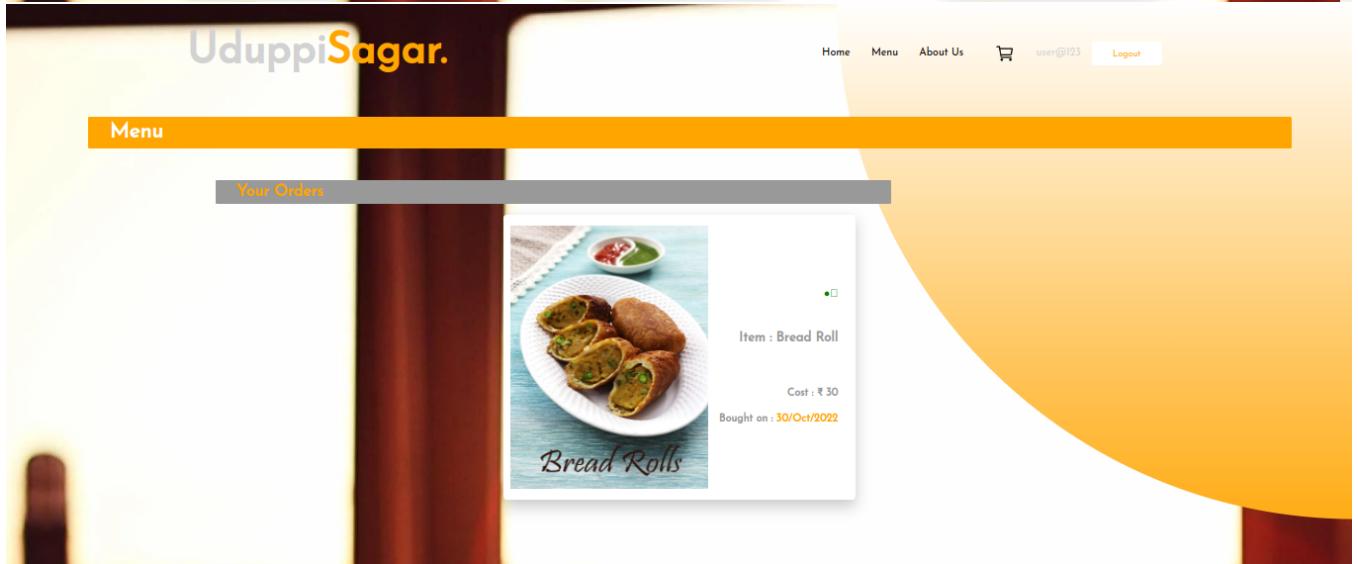
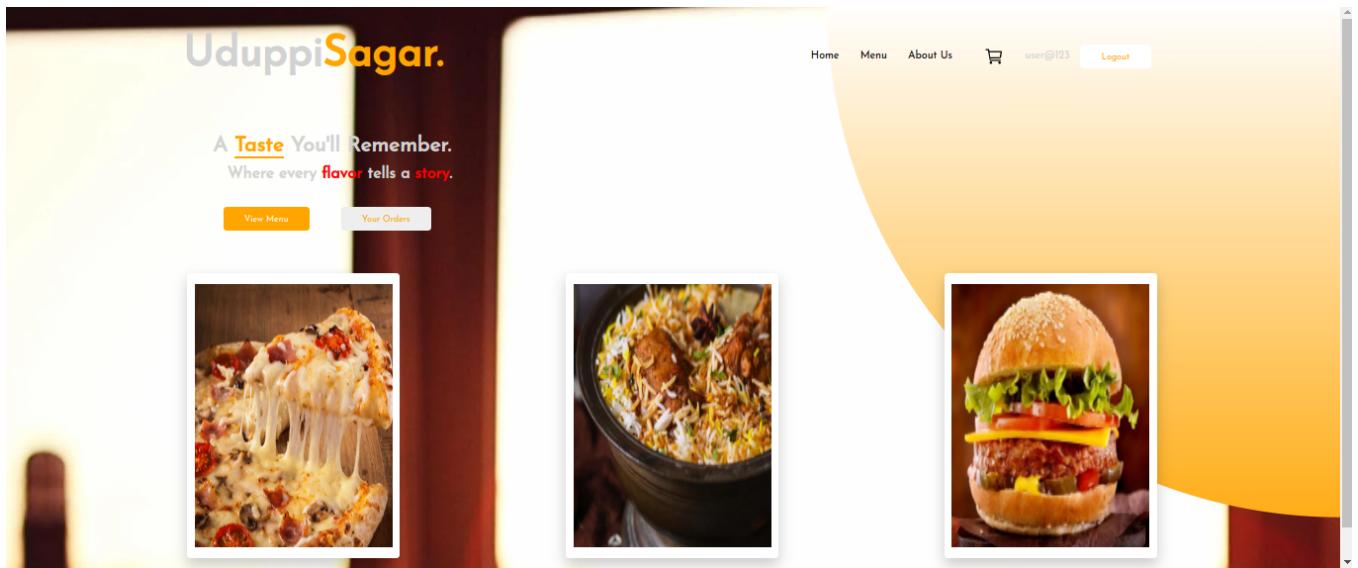


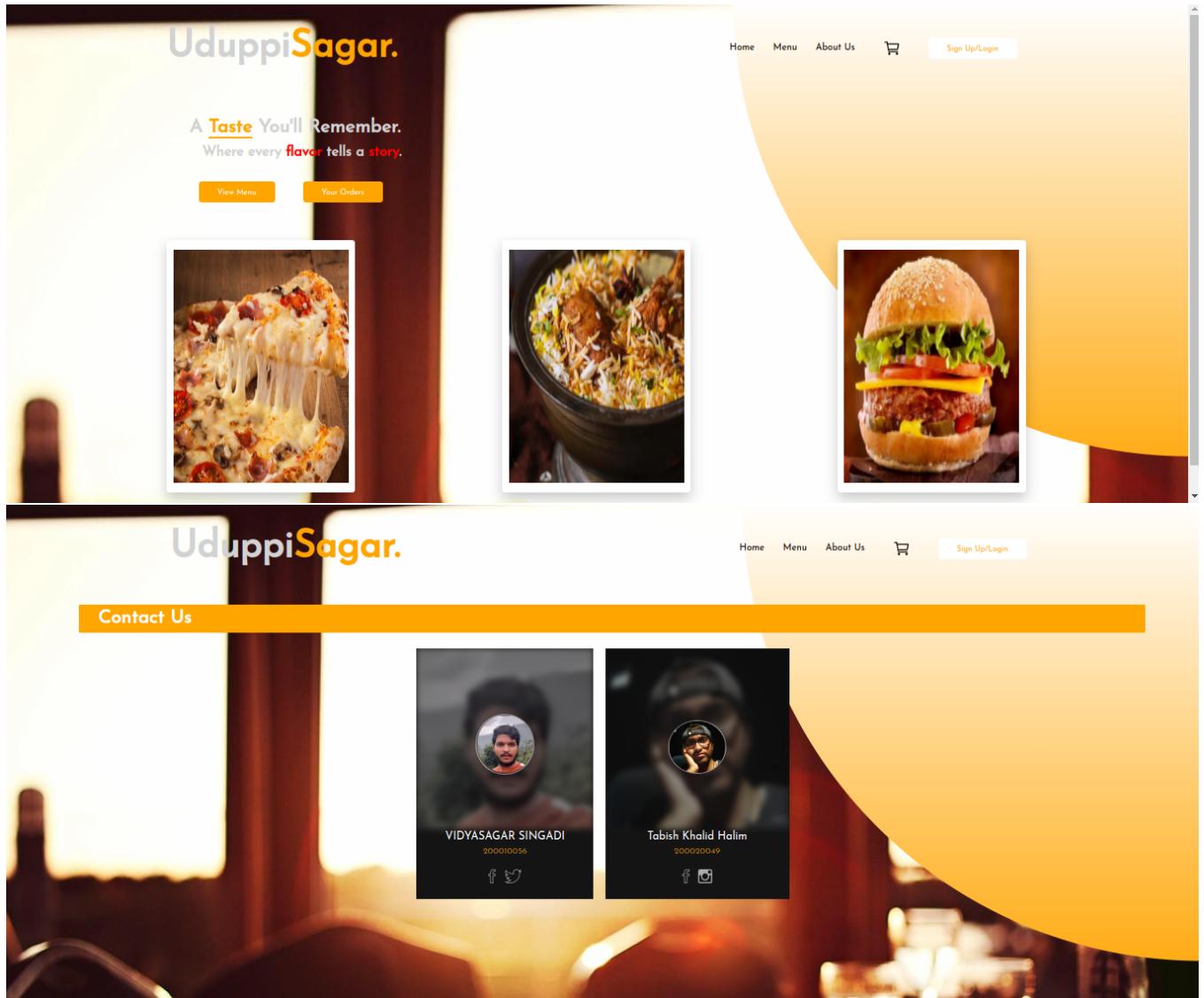
Proceed to Checkout



localhost:8080/ASS6\_PRO2/cart.jsp#popup1







## Conclusion :

Throughout the project, we have successfully implemented a management for customer-end-support for our restaurant using which people can order from our restaurant online once hosted and help in blooming our business. In addition to this, this project has helped in strengthening our concepts of MySQL, Data management, Servlet APIs and User-end Interface design.