



WEB APPLICATION DEVELOPMENT

Module Code: CMP7246



MAY 15, 2023

INDERPAL
22195795

Table of Contents

1 Introduction.....	2
2 Website Modules	2
3 Abstract Flow Mechanism	12
4 Responsiveness of Web Application.....	12
5 How to run the website	12
6 Student's Reflection.....	13

1 Introduction

The goal of this project is to create a website related with online delivery system for foods that dealt with some aspect of web application development, including its layout and functionality. The user interface of the website was developed with the HTML, CSS, and Javascript. On the backend, the database server that is used is MySQL, and the programming language that is used is PHP.

2 Website Modules

To fulfill the requirements of my website development assessment, I have created two key panels, which are outlined below:

- Admin Panel
- Customer Panel

- **Admin Panel**

Customer management, managing orders, adding and deleting admins, adding and deleting restaurants, adding and deleting further food categories will be handled by this panel.

To perform admin task first of all admin will logged in to the website by input the following credentials as:

User name: admin

Password: 1234

Furthermore, Figure 1 represents the layout of admin login panel.

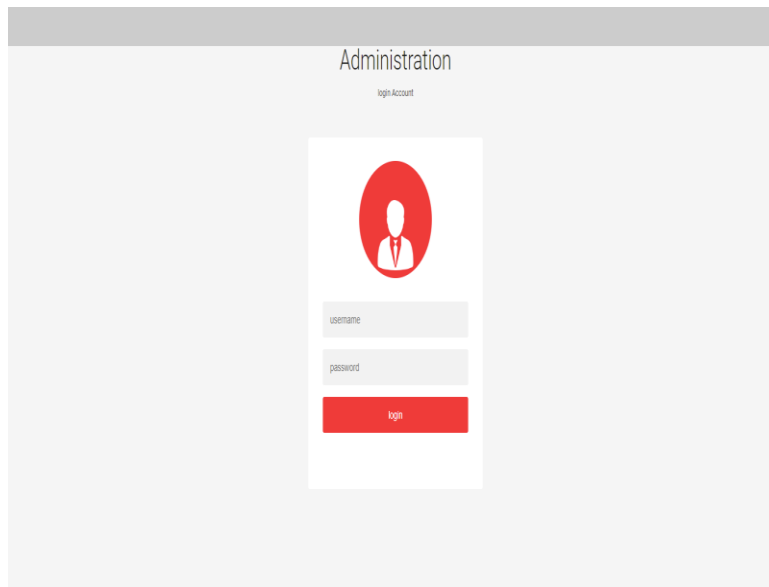
The image shows a web form for admin login. At the top, the word "Administration" is centered, with "login Account" written below it in a smaller font. The form itself is a white rectangle with a red circular icon containing a white silhouette of a person in a suit. Below the icon are two input fields: the first is labeled "username" and the second is labeled "password". At the bottom of the form is a red button with the word "login" in white text. The entire form is set against a light gray background.

Figure 1: Admin Login Form

After getting login into the admin panel, the page will redirect to the following page as shown in figure 2.

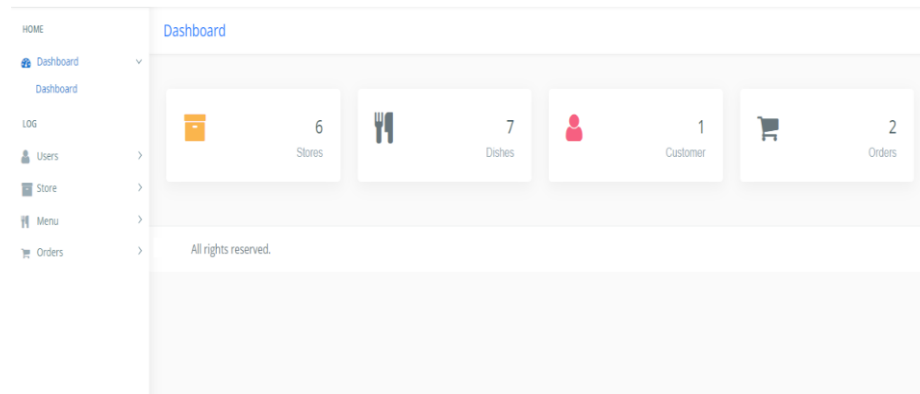


Figure 2: Admin Dashboard

On the admin dashboard admin can perform different tasks related with users, stores, menu, and orders by clicking on the menu bar on the left side of this dashboard.

The image shows the 'Add Users' form within the admin dashboard. The sidebar menu is visible on the left, with 'Users' expanded to show 'All Users' and 'Add Users'. The main form area has a purple header bar that says 'Add Users'. Below this, there are input fields for 'Username' (containing 'username'), 'First-Name' (containing 'jon'), 'Last-Name' (containing 'doe'), 'Email' (containing 'example@gmail.com'), 'Password' (containing 'password'), and 'Phone' (containing 'phone'). There is also a large text area for 'Address'. At the bottom of the form are two buttons: a green 'save' button and a black 'Cancel' button.

Figure 3: Adding and Viewing Admin Users

Figure 3, illustrate the form which will redirect after clicking on the user label from admin dashboard. On clicking on the user label. Admin can add new users by fulfilling the information required in this form and also he can view all the users, edit the information about the user and can also delete the existing users from this panel as displayed in figure 4.

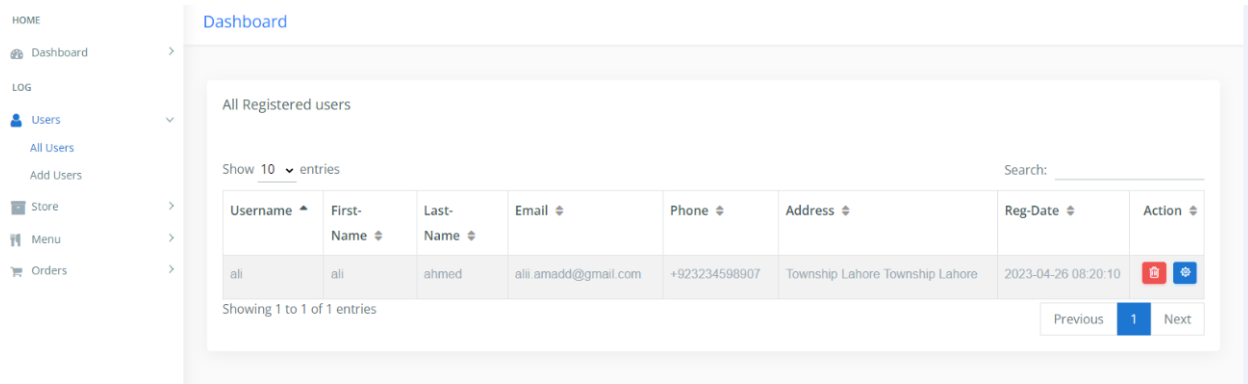


Figure 4: All users Form

From the Store label given in menu bar at this admin dashboard, admin can view, delete and edit the information about all the stores as shown in figure 5.

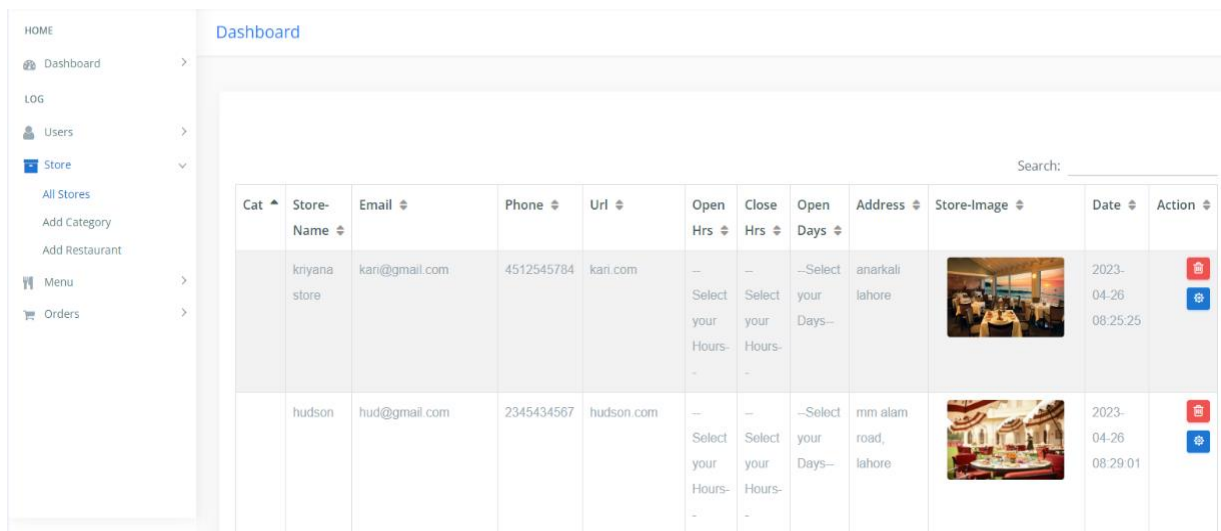


Figure 5: View Stores

By clicking on the Add category, admin can add further categories of food in the system Also he can edit and delete existing categories from this form. Figure 6 illustrate the mechanism for adding categories into this website.

Dashboard >
LOG
Users >
Store >
All Stores
Add Category
Add Restaurant
Menu >
Orders >

Add Restaurant Category

Category

Category Name

save Cancel

Listed Categories











ID#	Category Name	Date	Action
9	fish	2023-04-26 08:30:04	 
8	thaifood	2023-04-26 08:30:18	 
7	pasta	2023-04-26 08:30:29	 
6	pizza	2023-04-26 08:30:39	 
5	grill	2023-04-26 08:30:48	 

Figure 6: Add Category

Furthermore, admin can add new restaurants in the website by inputting the required data as shown in figure 7 form.

HOME
Dashboard >
LOG
Users >
Store >
All Stores
Add Category
Add Restaurant
Menu >
Orders >

Dashboard

Add Restaurant

Restaurant Name

John doe

Business E-mail

example@gmail.com

Phone

1-(555)-555-5555

website URL

http://example.com

Open Hours

--Select your Hours--

Close Hours

--Select your Hours--

Open Days

--Select your Days--

Image

Choose File No file chosen

Select Category

--Select Category--

Store Address

save Cancel

Figure 7: Add Restaurants

For adding the information about the offered menu with restaurant name, Dish name, description about the dish price of the dish along with picture of the menu admin can add this information by clicking on menu as shown in figure 8 and 9.

HOME

Dashboard

LOG

Users

Store

Menu

All Menues






















Add Menu

Orders

Dashboard

All Menu data

Search:

Restaurant	Dish-Name	Slogan	Price	Image	Action
Hari Burger	Hard Rock Cafe	A mix of chopped lettuces, shredded cheese, chicken cubes	\$22.12		 
Hari Burger	Bonefish	Three ounces of lightly seasoned fresh tilapia	\$55.77		 
hudson	Houlihans Mini Cheeseburger	Creekstone Farms, where no antibiotics or growth hormones are used	\$22.55		 
jados cafe	Red Robins Chick on a Stick	Plain grilled chicken breast? Biah.	\$34.99		 
kriyana store	jkimno	great taste great whatever	\$17.99		 
Martini	Lyfe Kitchens Tofu Taco	This chain, known for a wide selection of vegetarian and vegan choices	\$11.99		 
The Great Kabab Factory	Uno Pizzeria & Grill	Kids can choose their pasta shape, type of sauce, favorite veggies (like broccoli or mushrooms)	\$12.35		 
Restaurant	Dish-Name	Slogan	Price	Image	Action

Showing 1 to 7 of 7 entries

Previous

1

Next

Figure 8: All menu information

HOME

Dashboard

LOG

Users

Store

Menu

All Menues

Add Menu

Orders

Dashboard

Add Menu to Restaurant

Dish Name

Morzirella

About

slogan

price

\$

Image

Choose File No file chosen

Select Category

--Select Restaurant--

save

Cancel

Figure 9: Add Menu

For viewing the status about the customer orders, editing order details and deleting the customer orders admin can perform this task by clicking on the order label as given in the menu bar as shown in figure 10.

HOME

Dashboard

LOG

Users

Store

Menu

Orders

All Orders

Dashboard

All user Orders

Show 10 entries

Search:

Username	Title	Quantity	price	Address	status	Reg-Date	Action
ali	Bonefish	2	\$55.77	Township Lahore Township Lahore	Dispatch	2023-04-26 10:09:49	

Showing 1 to 1 of 1 entries

Previous1Next

Figure 10: Order Details

- Customer Panel

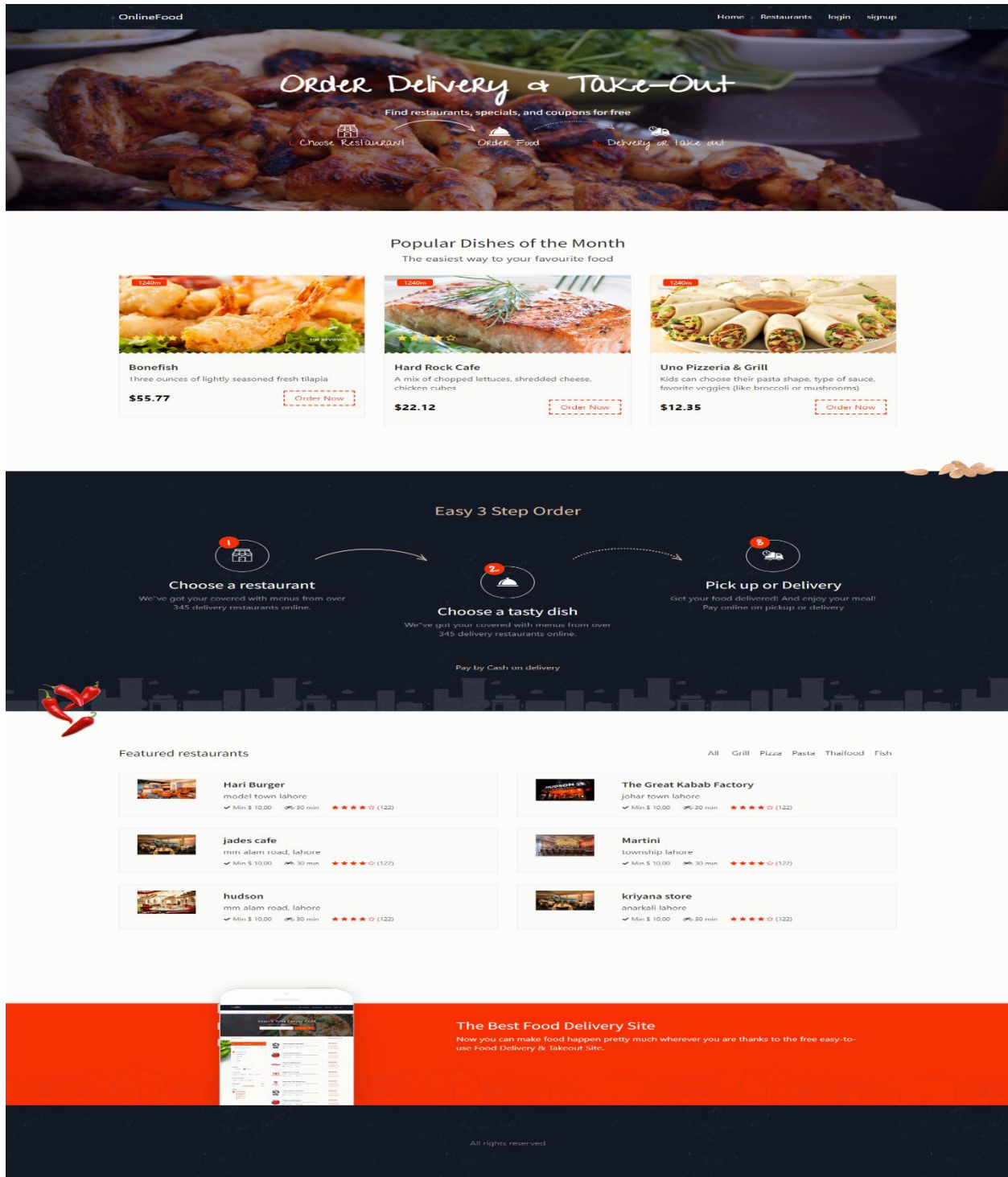


Figure 11: Home Page

Figure 11, illustrate the developed website home page which will first displayed to the customer when he will visit this site. From this page client can view the information about the restaurants added by the admins, get registered/ signup the new customer and also get logged into the account for existing customers.

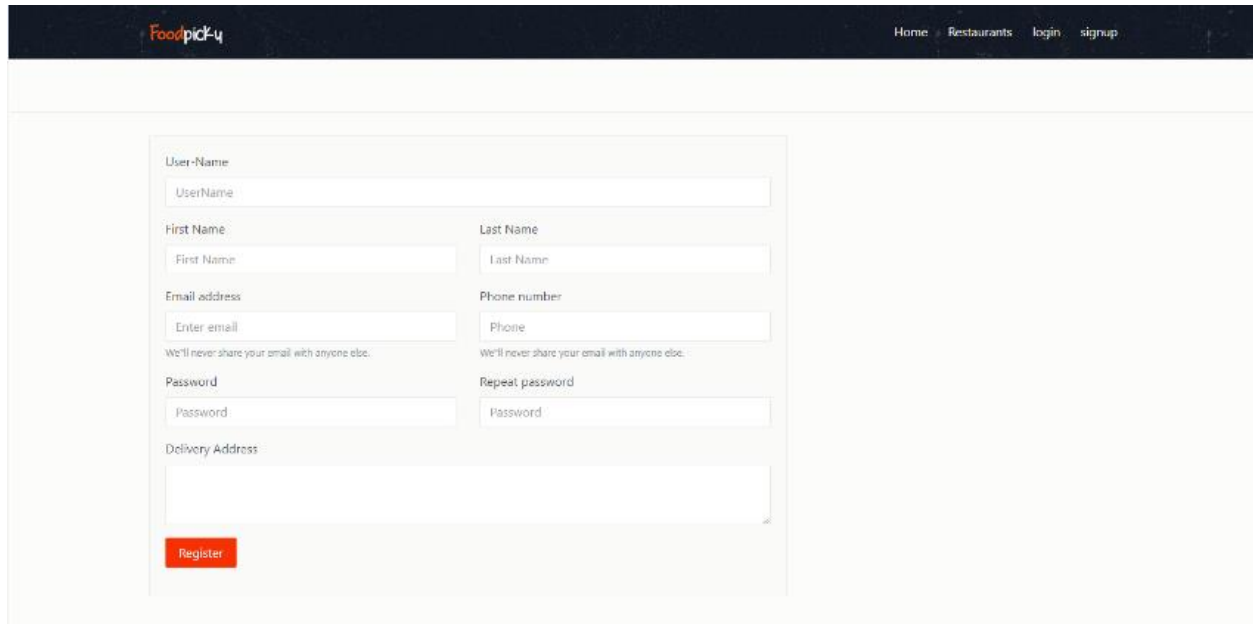
The screenshot shows the top navigation bar of the Foodpick-4 website with links for Home, Restaurants, login, and signup. Below the navigation bar is a large, light-colored rectangular area containing a customer signup form. The form is titled 'User-Name' and includes input fields for 'UserName', 'First Name', 'Last Name', 'Email address', 'Phone number', 'Password', 'Repeat password', and 'Delivery Address'. A red 'Register' button is located at the bottom left of the form. Small text below the email and phone number fields states, 'We'll never share your email with anyone else.'

Figure 12: Customer Signup Form

Figure 12, represents the information about the customer signup form. New customer will get registered first by inputting the following details given in this form and then can get logged in for further order proceedings.

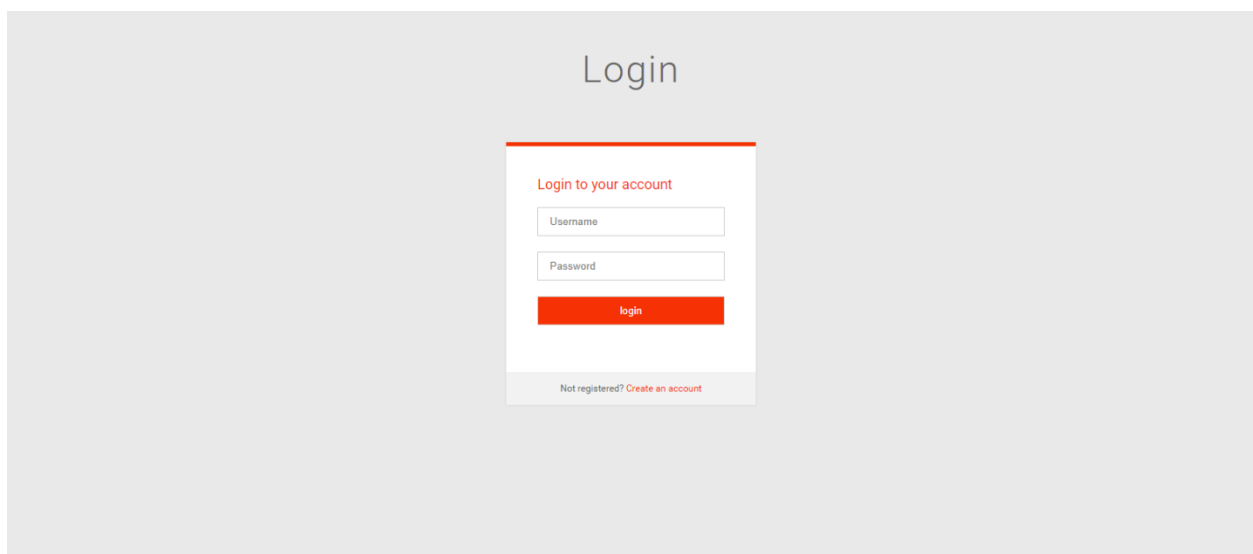
The screenshot shows a login form centered on a light gray background. The form is titled 'Login' and includes a red header 'Login to your account'. Below the header are input fields for 'Username' and 'Password', followed by a red 'login' button. At the bottom of the form, there is a link that says 'Not registered? Create an account'.

Figure 13: Customer Loginn Form

Figure 13, illustrate the customer login form. Existing customers can get logged in to our order system by input his user name and password. If the customers is not previously registered then he can get registered by clicking on create an account label as showing in this form. After clicking on it customer will redirect to signup form.

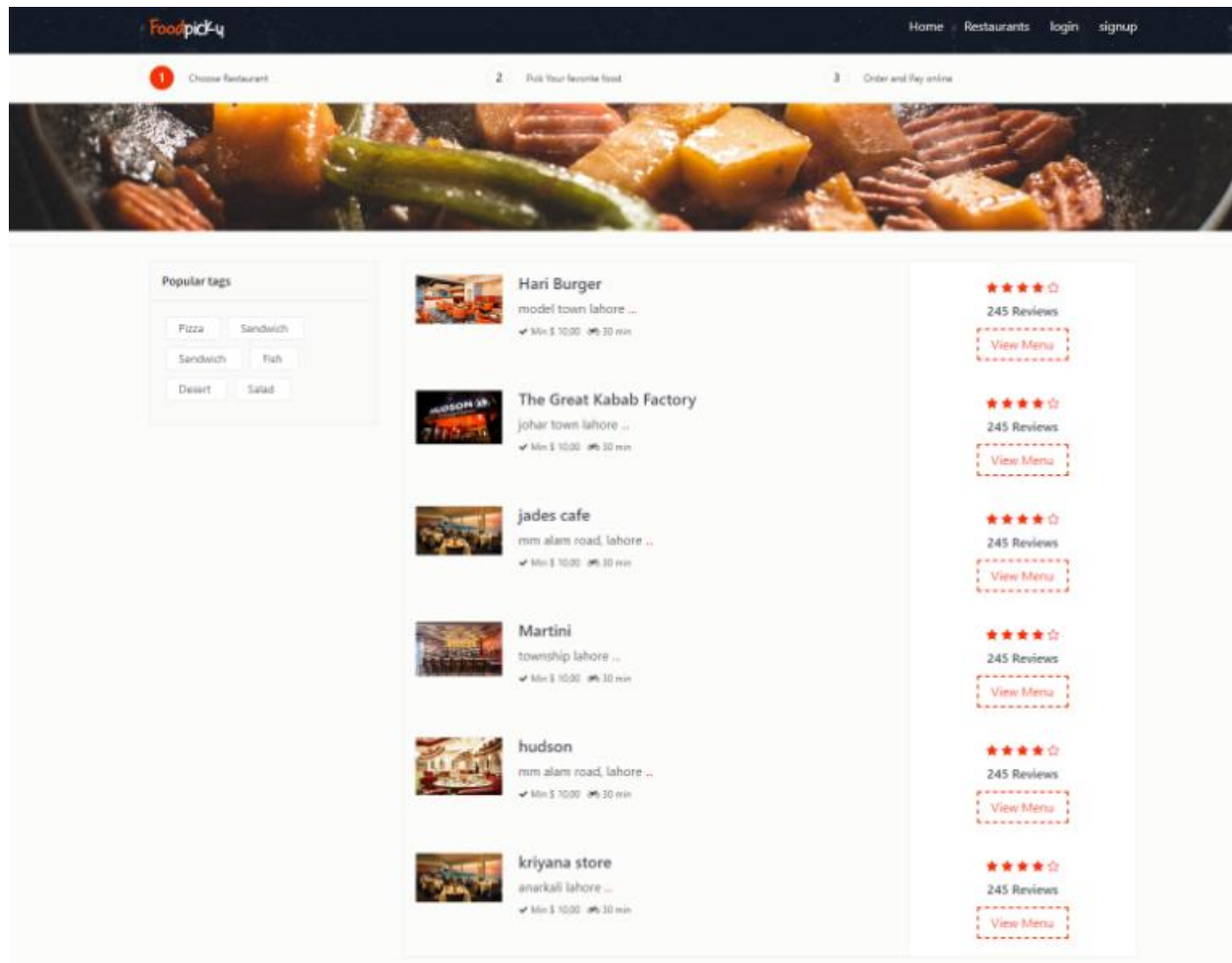


Figure 14: Choose Restaurant

After getting successfully logged, customer can choose restaurant as per his requirement and also he can view the menu offered by the specific restaurant as shown in figure 14.

After choosing the restaurant, customer can add his desired food items into the cart along with the quantity of that food item as shown in figure 15. After adding required food items into cart user can checkout from this form and redirect to the order and pay online form.

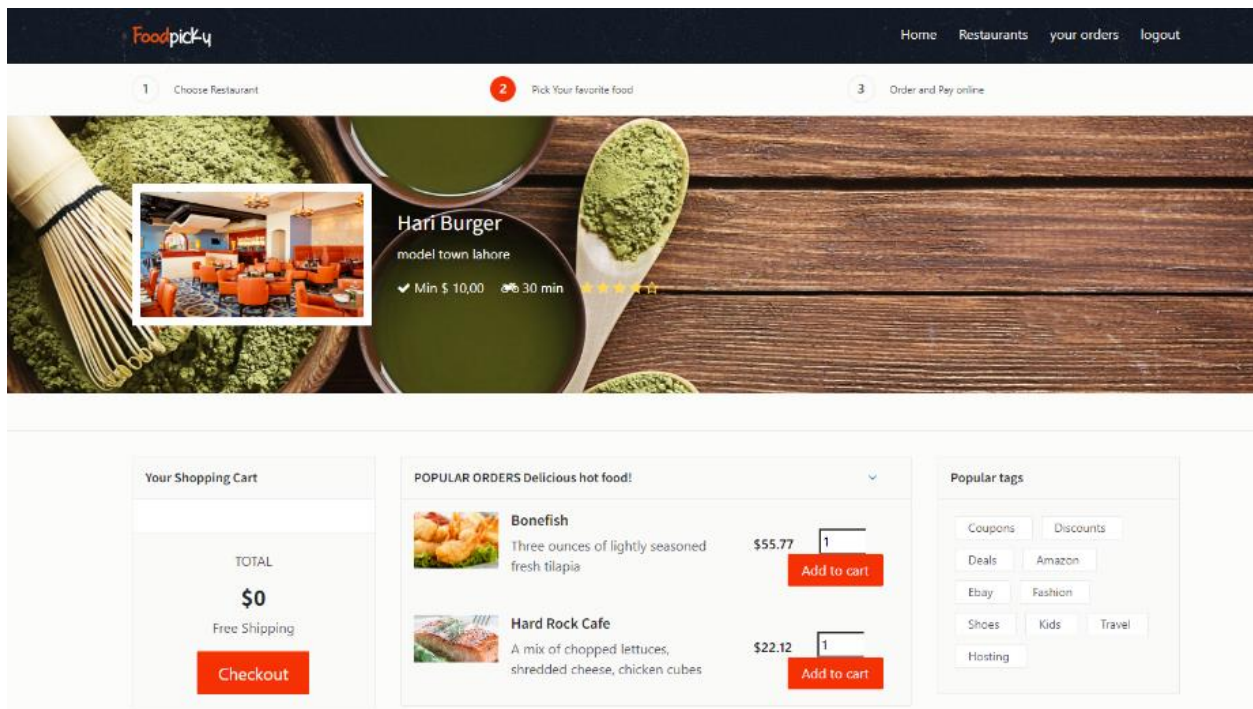


Figure 15: Add to Cart Form

Figure 16, represents the total amount of the order and confirm order button. Client will click on order now to confirming his order and he will pay cash on delivery.

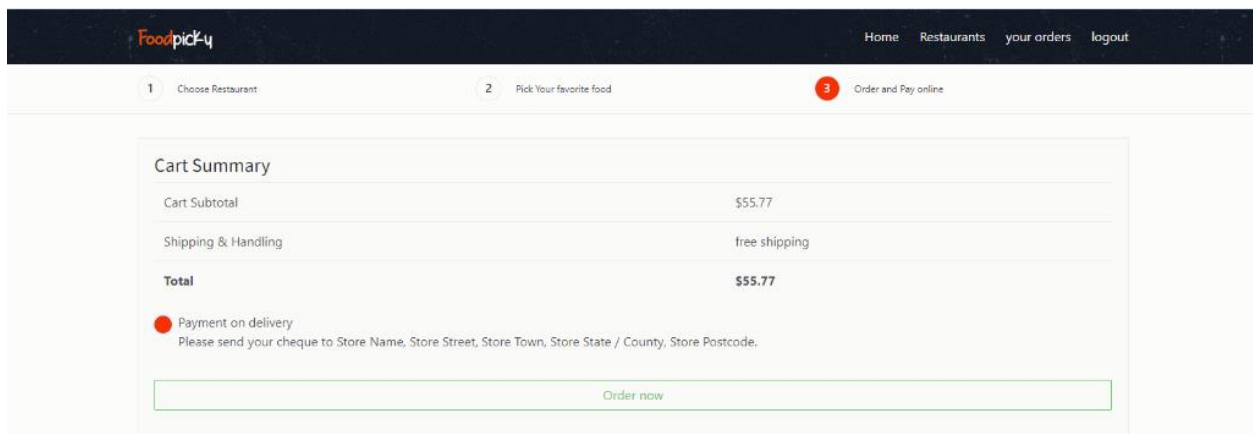


Figure 16: Confirm Order

3 Abstract Flow Mechanism

The following section provides an overview of the data flow mechanism employed by this web application. Upon visiting the site, users are able to place food orders, which are subsequently displayed on the admin panel. The administrator then begins the process of preparing the ordered food and responds to the user by delivering the required food.

4 Responsiveness of Web Application

The technique of building a website using code that allows it to automatically adjust itself to the varying screen dimensions and resolutions of a wide range of devices, such as desktop computers, laptops, tablets, and smartphones, is known as responsive design. Creating a website that is responsive has as its end objective the delivery of a superior user experience regardless of the device being used.

In the context of this project, I made responsiveness of my website a priority by utilizing CSS Media Queries. Media queries are a set of CSS principles that, when applied, allow for the implementation of various styles that are dependent on the screen size and resolution of the user's device. With the help of media queries, you can make certain that the font sizes, picture dimensions, and other components of your design look fantastic on every device.

5 How to run the website

To run this project:

Create a database in phpmyadmin and import the file from SQL -> onlinefoodorder.sql

Add your phpmyadmin credentials in connection -> connect.php file.

Visit localhost/orderOnlineFood/

For admin panel:

visit localhost/orderOnlineFood/admin

Username: admin

Password: 1234

6 Student's Reflection

This is a wonderful opportunity for me to reflect on my experience developing a web application as part of the course module work. The endeavor was both challenging and pleasurable, and it taught me valuable lessons in web development, communication, and planning. I was initially eager to enter the field of web development and build a product from scratch. I soon realized, however, how intricate and intimidating the procedure could be. While working on the project, I encountered novel programming languages, frameworks, and libraries, and I spent countless hours analyzing and debugging code. Nonetheless, as I persisted, my confidence in my ability to create a functional web application grew. This experience taught me the importance of planning and decomposing a project into manageable chunks. I also learned the necessity of communication in teamwork and the value of seeking assistance when necessary.

Overall, I am extremely satisfied with our team's accomplishments, and I believe that this endeavor has equipped me with skills that will be useful in my future career. Thank you for entrusting us with this responsibility and for your assistance throughout the process.