

(7/08/2024)

## Capstone Project - Online Food Ordering System

Problem: Cooking by oneself may sometimes be challenging due to factors such as lack of time, lack of ingredients, special occasions, unexpected guests, convenience or expertise in preparing certain dishes. Online food ordering provides a quick and easy solution for those moments when cooking at home isn't feasible.

\* The user effortlessly orders food online, which is promptly prepared, delivered and paid for through a digital transaction. After receiving the food, the user provides feedback on the website about their food/dining experience and it helps restaurants and food delivery services improve their services, food quality and overall customer experience.

### Web Pages in Online Food Ordering System

#### ① Login to the Page/site / (New) User Registration

- A new user downloads the app or opens the required website from Google/web, creates an account.
- Provide personal information such as name, email and phone number.
- The app may offer incentives like signup bonuses or referral rewards to encourage new users.

#### ② Restaurant Selection:

- A user can search for restaurants by name, cuisine, location or popularity.

- Restaurants. The app may also provide filters for dietary restrictions (e.g., vegetarian, Vegan, gluten-free) or specific preferences (e.g., spicy, mild)

### ③ Menu Exploration:

- Users can view high-quality images of dishes, read detailed descriptions and check customer reviews.

- The app may also provide filters personalized recommendations based on past orders or preferences.

### ④ Cart Management:

- Users can easily add or remove items from their cart, adjust quantities and view the total cost.

- The app may provide options to save favorite items or create custom meal bundles.

### ⑤ Checkout Process:

- Users can choose a delivery or pickup option, select a payment method (e.g., credit card, digital wallet) and review their order before submitting.

- The app may offer promotional discounts for first-time orders or repeat customers.

### ⑥ Order Tracking:

- Users can receive real-time updates on their order status, including estimated delivery time, driver location and number.

- The app may offer a live map view of the delivery driver's progress. And set their live location to Order food.

⑦ Feedback & Reviews:

- Users can leave reviews or ratings for restaurants, read reviews or

### ⑧ Restaurant Information:

- Restaurants can provide information about the platform.

- The platform can provide information about orders, tracking, etc.

### ⑨ Menu Management:

- Restaurants can manage items from food, including

- The platform can manage special offers.

### ⑩ Order Management:

- Restaurants can manage orders through delivery services.

### ⑪ Delivery Services:

- Restaurants can manage in-house services.

- The platform can manage delivery management.

## ⑨ Feedback and Ratings:

- Users can provide feedback on their orders, restaurant and delivery experience.
- The app may offer incentives for leaving reviews or participating in surveys.

## ⑩ Restaurant Partnering:

- Restaurants can sign up to partner with the platform and create their online menu.
- The platform may offer tools for managing orders, tracking sales and analyzing customer data.

## ⑪ Menu Management:

- Restaurants can easily add, edit or remove items from their menu and availability of food, including descriptions, prices and images.
- The platform may offer features for creating special offers, promotions or combos.

## ⑫ Order Management:

- Restaurants can receive and manage orders through the platform, including order preparation, delivery coordination and customer communication.

## ⑬ Delivery Coordination:

- Restaurants can choose to handle deliveries in-house or partner with third-party delivery services.
- The platform may provide tools for managing delivery routes, tracking driver performance and handling issues.

## ⑫ Analytics and Reporting:

- Restaurants can access detailed analytics and reports on sales performance, customer behaviour and popular menu items.
- The platform may offer insights to help restaurants optimize their menu, pricing and marketing strategies.

## ⑬ Payment Processing:

- The platform integrates with secure payment gateways to handle credit card transactions, digital wallets and other payment methods.

## ⑭ Delivery Optimization:

- The platform uses advanced algorithms to optimize delivery routes, reduce delivery times and minimize fuel consumption.
- The system may consider factors such as traffic conditions, distance and order urgency.

## ⑮ Data Security:

- Protect user data.
- prevent unauthorized access and comply with data privacy regulations.

## ⑯ Language Options:

- Provides various languages for better knowledge of the site in their own language and easy for ordering.

## ⑰ Promote in Social media:

- Helps in reaching out of sites and restaurants.

⑯ Refund and  
- This can be  
ction of the  
delivering.  
\* Frontend ref  
food ordering  
directly, like  
while Backend  
components to  
communicate  
processing or

## Frontend Tech:

- HTML
- CSS
- Java Sc
- APT [F]

## Backend Tech:

- Node.js
- MySQL
- JWT

## Refund and Replacement:

- (18) - This can be provided in case of dissatisfaction of the user regarding food and delivery.

\* Frontend refers to the part of an online food ordering system that users interact with directly, like browsing menus or placing orders, while Backend refers to the server-side components that manage data, logic and communication behind the scenes such as processing orders and handling payments.

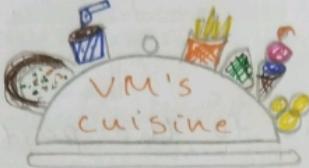
## Frontend Technologies:

- HTML
- CSS
- Java Script
- API [For Tracking Route]

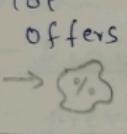
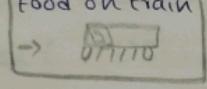
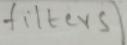
## Backend Technologies:

- Node.js with Express.js
- MySQL
- JWT (JSON Web Token)

## 1) Login/signup Page

<b>Login</b> <input type="text" value="email id"/> <input type="password" value="Password"/> <small>*Should contain capital numbers, characters</small> <input type="button" value="Login"/> <small>Don't have account? Signup</small>	 <input type="button" value="Login"/> <input type="button" value="continue with Google"/>	<b>Register</b> <input type="button" value="Sign up"/> Name: _____ Ph. No.: _____ Age: _____ Sex: _____ <input type="text" value="email id"/> <input type="password" value="Password"/> Language: _____ <input type="text" value="Confirm password"/> <input type="button" value="Sign up"/>
---	--	---

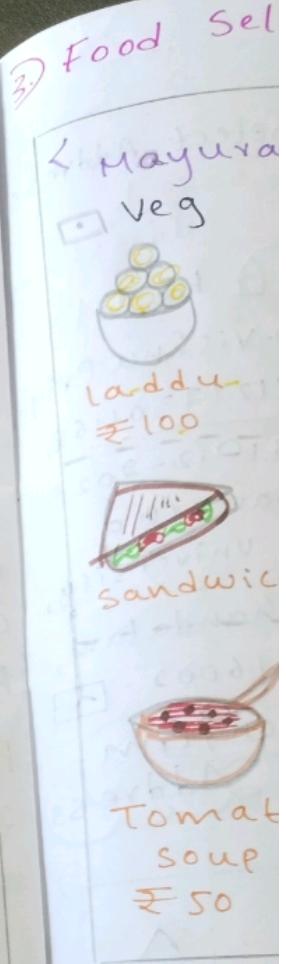
## 2) Restaurant selection

<p>① Saveetha college </p> <p><input type="button" value="Search"/> </p> <p><input type="button" value="Explore"/></p> <p><input type="button" value="TOP Offers"/>  <input type="button" value="Food on train"/> </p> <p>• 1.5KM • 3KM FFCafe KFC 5*</p> <p>• 7KM • 3.7KM Barista Mayura 3.1*</p>	<p><b>Mayura Bakery:</b></p> <p>Language:  English, Telugu, Hindi</p> <p><input type="button" value="filters"/> </p> <p><input type="checkbox"/> Price (low)  <input type="checkbox"/> discount (30%)  <input type="checkbox"/> categories (All)  <input type="checkbox"/> quantity (3)  <input type="checkbox"/> Veg  <input checked="" type="checkbox"/> Non-Veg  <input type="checkbox"/> Vegan  <input type="checkbox"/> Top picks</p>	<p><input type="button" value="Search"/> </p> <p>② 39 Mins  11KM</p> <p><input type="checkbox"/> Deserts  <input type="checkbox"/> Snacks  <input type="checkbox"/> Biscuits  <input type="checkbox"/> Soft Drinks  <input type="checkbox"/> Fries</p> <p><input type="button" value="menu"/> </p>
---	---	---

> couldn't find item  
> Delay of the item  
> price is too high  
> Refund

Hello!

ASSISTANCE



## 4) Cart

<input type="checkbox"/> To	₹5
<input type="checkbox"/> G	₹2
<input type="checkbox"/> C	₹3
<input type="checkbox"/> C	₹3
<input type="checkbox"/> cancel order	

## Food Selection

Mayura Garden (1)

Veg



Laddu  
₹100

★ 8 rating

ADD +

Sandwich Veg ₹60

★ 6 rating

ADD +

Tomato  
Soup ₹50

★ 10 rating

ADD +

1 item Added

## Cart Management

Tomato Soup

₹50

Edit ▶

-1+

₹50

Gobi Puff

₹20

Edit ▶

-2+

₹40

Chicken Puff

₹30

Edit ▶ including taxes - ₹10.0

-1+

₹30

View Payment coupons



Total Bill ₹120



Select Address

Cancel Order

Place order

review - 1  
Display of the total order cost  
including taxes and delivery fees

### 5) Address Selection

Access location

+ Add Address >

Name	characters
phno	→ 10 digits
House No	numbers/characters
Near by landmark	
pincode	numbers

**confirm Address**

Address → Order → Payment → Confirm Address

Select Address

— saved Address —

① Hostel

D. Vishnu Priya  
9121730468,  
31012-2023,  
Saveetha  
University,  
Thandalam,  
516002 ↗



Order Pl  
Successf

### 6) Payment Process

← Payments

Total Amount ₹120

- Net Banking ✓
- wallet ✓
- UPI ✓
- Cash on Delivery

Pay ₹110

UPI

Google Pay Gpay

Phone Pay

Pay ₹120

Add new UPI ID

① Tomato

② veg Pu  
(Gobi)

③ Chicken  
cancel

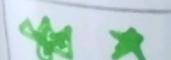
④ Tra

Order

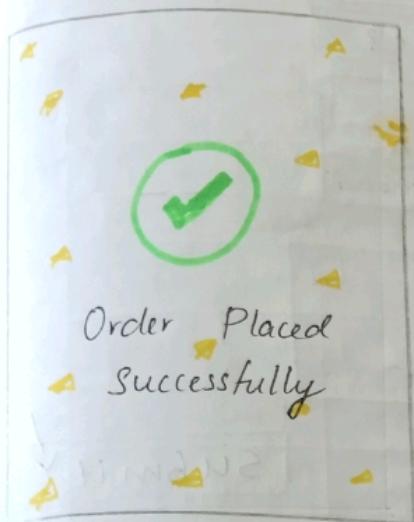
⑤ Order

Order ID

Mayra C  
3 items  
₹110.20



See i



### 7) Payment

Successful

On first order or on discounts we get super coins, which can be used in ordering food (decreases amount)

### 8) Order Tracking

← My Orders

① Tomato soup ₹50

② veg puff ₹40  
(Gobi)

③ chicken puff ₹30

⏱ Time: 30 min

Track Order

Order schedule

live location (or) location would be given using landmarks.



See All updates >

Delivery Agent -

Name: Hari

Phone Number: 7013776817

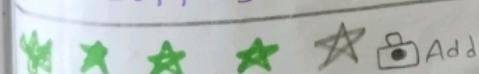
### 9) Order Delivered

Order ID - OD3567765321

Mayra Garden

3 items

₹110 offers



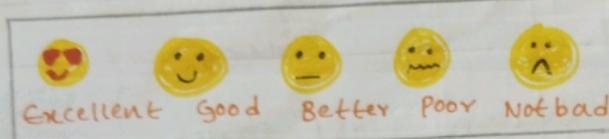
See issues >

option to schedule orders for later delivery → review - 1

- ① 10-15 mins
- ② 1 hour - 5 hours
- ③ 1 day

## 10) Rating and Review

How's your Experience?



Add comment



Submit

## 11) Refund and Return

\*\*\*\*\*

Return

Do Chat with us

- Refund
- Return & Replacement

bad Quality

bad Service

others \_\_\_\_\_

Submit

## ① display of the

Review-2:

1. provide a home page which contains all the login, restaurants, register and description about the website.
2. In login page provide correct sequence of forms for user understanding.
3. provide a submit button in order to validate the page or to update any incorrect information.
4. provide delivery time of the particular product for user accessibility.
5. provide a registration page to location access of the user.
6. can also add order history in the website.
7. can also include terms and conditions and privacy policy page.
8. provide delivery agent details in order to contact.
9. provide admin login and update page to add items and track orders.
10. provide a logout button to come out of the account.

10/08/2024 Cap.  
Problem: Cookin challenging due time, lack of preparing certain moments whe

\* The user e is promptly P through a dig food, the us about their restaurants their Service experience.

web Pages

## ① Login to

the require an account

name, ema

Sign up bo new user

## ② Resta

name, cu

Register Page



Login Page



Home (Should have All Details)

(Orders, Profile, Logout, Contact us, Admin Panel, About us, Restaurants, Location-wise Restaurants, Offers, Food List, AI (limited questions), Language (Main details))

For ordering food ↓

Restaurants List, Food List, Offers, location-wise



Select items (Add to cart)



Go to Cart

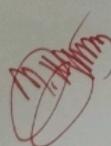
(Give Address)



Payment



Payment successful



Order details

(Cancel Order)



Logout → Login Page