

Capstone: Online food Ordering System

Problem: Cooking by oneself may sometimes be challenging due to factors such as lack of time, 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 dining experience and it helps restaurants and food delivery services improve their services, food quality and overall customer experience.

① New User ~~Scenes~~ Registration:

- A new user downloads the app (or) open site from Chrome, create an account.
- provide personal information like name, mail 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.
- 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 for 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)

→ Review their order before submitting

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

⑥ Order Tracking:

→ Users can receive real-time updates on their order status, including estimated delivery times.

time, driver, location and any potential delays.

- The app may offer a live map view of delivery driver's progress.

Feedback & Rating:

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

Restaurant Partnering:

- Restaurant can sign up to partner with the platform and create their online menu.
- The platform may offer tracking sales and analyzing customer data.

Menu Management:

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

Order Management:

- Restaurants can receive and manage orders through the platform, including order preparation, delivery coordination, and customer communication
- The platform may provide tools for managing delivery Services.

⑪ Delivery Coordination:

→ Restaurants can choose to handle delivery in-house or partner with third-party delivery services.

⑫ Analytics and Reporting:

→ Restaurants can access detailed analysis and reports on sales performance, customer behavior, 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.

→ The system ensures data encryption and compliance with industry security standards.

⑭ Delivery Optimization:

→ The platform uses advanced algorithms to optimize delivery routes, reduce delivery time, and minimize fuel consumption.

→ The system may consider factors such as traffic conditions, distance, and order urgency.

⑯ Data Security:

→ The platform implements robust security measures to protect user data, prevent unauthorized access and comply with data privacy regulations.

→ The system may use encryption, firewalls and regular security audits to safeguard sensitive information.

⑰ Language Options.

⑱ Promote in Social Media.

⑲ Refund or Replacement.

Technologies Used:

Frontend:

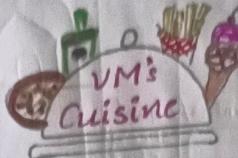
- HTML / CSS
- Java Script
- API (

Backend:

- MySQL
- JWT (JSON Web Tokens)
- Node.js with express.js

Web Pages :

1) Login / Signup Page :

<p>Login</p> <input type="text" value="email id"/> <input type="password" value="Password"/> <small>Correct (Valid) wrong (Invalid)</small> Forgot Password? <input type="button" value="Login"/>	 <input type="button" value="Login"/> Continue With Google	<p>Sign Up</p> <input type="text" value="email id"/> <input type="password" value="Password"/> <input type="password" value="Confirm Password"/> <input type="button" value="sign up"/>
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2) Restaurant Selection :

<p>Savetha 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>• 11-5 KM • 3 KM</p> <p>FF Cafe  KFC  • 7 KM • 3.7 KM</p> <p>Mayura  Basatal  </p>	<p>Mayura Bakery</p> <p><input type="button" value="Filters"/></p> <ul style="list-style-type: none"> <input type="checkbox"/> Price (low) <input type="checkbox"/> discount (30%) <input type="checkbox"/> categories (shakes) <input type="checkbox"/> quantity (3) <input checked="" type="checkbox"/> veg <input type="checkbox"/> Non veg <input type="checkbox"/> Vegan <input type="checkbox"/> TOP Picks <p><input type="checkbox"/> Languages  English Telugu Tamil</p>	<p><input type="button" value="Search"/> </p> <p>4★ </p> <p>• 39 mins 11 KM</p> <ul style="list-style-type: none"> <input checked="" type="checkbox"/> Deserts <input type="checkbox"/> Snacks <input type="checkbox"/> Biscuits <input checked="" type="checkbox"/> Soft drinks <input type="checkbox"/> Offers / pizza's <p><input type="button" value="Menu"/></p>
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3) Food Selection :

<p>Mayura Garden </p> <p><input type="checkbox"/> Veg</p> <p> Ice cream ₹ 80</p> <p> Sandwich Veg. ₹ 60</p> <p> Tomato Soup ₹ 50</p>	<p>★ 8 rating <input type="button" value="ADD +"/></p> <p>★ 6 rating <input type="button" value="ADD +"/></p> <p>★ 10 rating <input type="button" value="ADD +"/></p> <p>1 item Added</p>
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4) Cart Management :

<p><input checked="" type="checkbox"/> Tomato Soup ₹ 50 <input type="button" value="Edit"/></p> <p><input checked="" type="checkbox"/> Gobi Puff ₹ 20 <input type="button" value="Edit"/></p> <p><input checked="" type="checkbox"/> Chicken Puff ₹ 30 <input type="button" value="Edit"/></p>	<p>- 1 + ₹ 50</p> <p>- 2 + ₹ 40</p> <p>- 1 + ₹ 30</p> <p><input type="button" value="View Payment Coupons"/></p> <p><input type="button" value="Total Bill ₹ 110."/></p> <p><input type="button" value="Place Order"/> <input type="button" value="Select Address"/> <input checked="" type="button" value="Cancel Order"/></p>
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5) Address Selection:

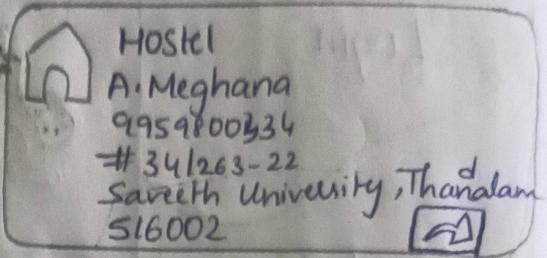
+ Add Address >

Name	→ Characters
Ph no	→ 10 digits
House No	→ numbers/char/ special char
Near by landmark	→ char/Spec char/num
Pincode	→ 6 digit num

Confirm Address ←

Select Address

Saved Address



Confirm Address

- 1 Address
- 2 Order
- 3 Payment

6) Payment Process:

← Payments

Total Amount ₹110

<input checked="" type="checkbox"/> Net Banking	✓
<input type="checkbox"/> Wallet	✓
<input checked="" type="checkbox"/> UPI	✓
<input type="checkbox"/> Cash on Delivery	✓

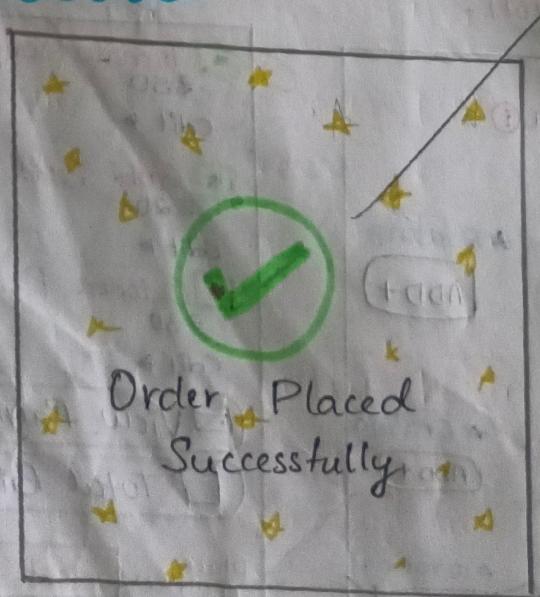
Pay ₹110

UPI

UPI

<input type="radio"/> Google Pay	GPAY
<input checked="" type="radio"/> Phone Pay	Pay ₹110
<input type="radio"/> Add new UPI ID	

7) Payment Successful:



8) Order Tracking:

← My Orders Filters

① Tomato Soup £50
② Veg Puff £50
③ Chicken puff £30

Cancel Order

Delivery Agent Details ✓

11 KM

See All Updates >
Contact : 9832456893
Name : lucky
④ 30 mins

9) Order Delivered:

Order ID - DD332089543100

Mayura Garden
3 items
₹110 2 offers

Order delivered

Add

★★★★★ See issues >

10) Rating & Review:

Order Delivered

Excellent Good Average Better Poor

Add Comment

Comment:
m
m
m
m
m

Submit ↵

11) Refund & Return:

★★★★★

Return ↵ Chat With Us

Refund
 Replacement

① bad quality
② wrong product
③ service not as expected
④ Other

- Comments : (Reviewers)
- i) Restaurant - with spelling mistake
 - ii) Food on Train - options Not yet given like which station to come
 - iii) Available branches Mayura Bakery, Mayura Garden
 - iv) Home Page can be added
 - v) Forget Password can be added (Reset).
 - vi) Cart Management Spelling mistake
 - vii) Add Pages like - Menu → desserts → maincourse → starters → cool drink