

Nirma University

E-commerce of Food (Tastebite)

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B.Tech 8th Semester Major Project
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INSTITUTE OF TECHNOLOGY
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Internship Information



Company Information



- **Company Name:** CODEFLASH INFOTECH
- **Website:** <https://codeflashinfotech.com/>
- **Email:** admin@codeflashinfotech.com
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Satellite, Ahmedabad -380015.
- **Contact:** (+91) 87802 99105



About Company

Codeflash began with the purpose of delivering custom app development services, but as time passed, we expanded our portfolio to include on-demand technology, IoT, and many more solutions, eventually becoming the world's leading mobile app development business. We are a custom app development company in India that revolutionizes businesses by combining design talent with innovation and cognition. We have been in business for 6 years now and have gained the trust of more than 16 classified customers. We go above and beyond to make things happen for you.



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Project Details



Definition

The e-commerce application of food includes a digital platform that allows customer to explore the menu, place orders, make payment by credit and debit cards, use Net-Banking, digital wallets, and cash on delivery, resulting in a smooth transaction procedure. It serves as a virtual storefront for the restaurant. This system combines website design, database administration, order processing, and customer relationship management to provide a streamlined experience.



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Features

- Responsive Design of project
- Login and Registration of valid users
- Static advertising content on Home page
- Navigation from one to other components
- Product Details in Menu component
- Advanced product Search
- Product Filtering by cuisine, price and naming order
- Add to Cart
- View Cart

Features

- Adjust Quantities
- Subtotal and Total Calculation
- Single Item Deletion
- Empty Cart
- Checkout Process
- Payment Gateway Integration
- Order Summary
- Bill Generation

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Home Component
Franchisee Inquiry
Catering Services Inquiry
Menu Component
Cart Component
Register User
login
Payment
Responsive

Result

Result



Home Component

It Includes:

- Static advertising content
- link to ask for franchisee inquiries
- links to ask for catering services inquiries

Home Component

Tastebite

Home Menu Login

0



"Taste the essence of Gujarat at Tastebite, where every bite tells a flavorful story of tradition and authenticity."

[Explore Menu](#)

Catering Services



Birthday Party



Business Meetings



Wedding Party

Figure: Home page-1

Home Component

Tastebite

[Home](#) [Menu](#) [Login](#)

0

Birthday Party

Indulge in delectable delights tailored for your special day with our birthday party catering.

Business Meetings

Elevate your business meetings with gourmet cuisine and impeccable service from our catering team.

Wedding Party

Make your wedding day an unforgettable culinary experience with our exquisite catering services.

[Inquire Now →](#)



Our Speciality

Experience the vibrant flavors of Gujarat on your plate! Indulge in our authentic Gujarati cuisine, where every dish is a celebration of tradition and taste. Savor the richness of Gujarat's culinary heritage at our restaurant.

[Explore Menu](#)

Figure: Home page-2

Home Component

Tastebite

Home Menu Login

0



Our Speciality

Experience the vibrant flavors of Gujarat on your plate! Indulge in our authentic Gujarati cuisine, where every dish is a celebration of tradition and taste. Savor the richness of Gujarat's culinary heritage at our restaurant.

Explore Menu

Tastebite Private limited	Timing	Important Links	Contact Us
+91 987-654-3210	Mon-Fri: 8 AM - 10 PM	Home	Help & Support
info@tastebite.com	Sat-Sun: 8 AM - 12 AM	Menu	Partner with us
@ tastebite_2003		Cart	Enquire for services

Figure: Home page-3

Franchisee Inquiry

The Franchise Inquiry Form component provides a user interface that collects information from those interested in franchising possibilities. This form normally asks for personal information, company experience, financial information, and franchise preferences.



Franchisee Inquiry

Tastebite

Home Menu Log Off



Partner with us

Name:^{*}

Mr

First Name

First Name is required

Middle Name

Middle Name is required

Last Name

Last Name is required

Age:^{*}

Enter your age

Age is required

Email address:^{*}

Enter email

E-mail is required.

Phone:^{*}

Enter phone number

phone number is required.

Alternate Phone:^{*}

Enter alternate phone number

phone number is required.

Number of stores Interesed in:^{*}

must needed

When do you plan to open your first store?:^{*}

dd-mm-yyyy



Date is required

Business/Industry Experience:^{*}

- Yes, I have prior business experiance.
- No, I am new to business ownership.

Desired business Location:^{*}

(Leave blank if you don't know)

Tell us about your professional background:

(Leave blank if you don't know)

Figure: Partner with us form validation

Franchisee Inquiry

Tastebite

Home Menu Log Off

Partner with us

Name*:

Age*:

Email address*:

Phone*:

Alternate Phone*:

Number of stores Interested in*:

When do you plan to open your first store?*:

Business/Industry Experience*: Yes, I have prior business experience. No, I am new to business ownership.

Desired business Location*:

Tell us about your professional background:

Any Questions/Queries:

Submit

Figure: Partner with us form

Franchisee Inquiry

The screenshot shows the Chrome DevTools Network tab with a single captured request to `http://localhost:4200`. The request method is `POST`, and the status is `OK`. The response body is a JSON object representing the form data stored in local storage:

```
[{"name": {"title": "Ms", "firstName": "Hima", "middleName": "S", "lastName": "Javiya"}, "age": "28", "alternatePhone": "9988779954", "businessExperience": true, "desiredLocation": "2024-08-25", "email": "hima@gmail.com"}, {"name": {"title": "Ms", "firstName": "Hima", "middleName": "S", "lastName": "Javiya"}, "age": "28", "alternatePhone": "9988779954", "businessExperience": true, "desiredLocation": "2024-08-25", "email": "hima@gmail.com"}, {"name": {"title": "Ms", "firstName": "Hima", "middleName": "S", "lastName": "Javiya"}, "age": "28", "alternatePhone": "9988779954", "businessExperience": true, "desiredLocation": "2024-08-25", "email": "hima@gmail.com"}, {"name": {"title": "Ms", "firstName": "Hima", "middleName": "S", "lastName": "Javiya"}, "age": "28", "alternatePhone": "9988779954", "businessExperience": true, "desiredLocation": "2024-08-25", "email": "hima@gmail.com"}]
```

The left sidebar shows the application structure with sections like Application, Storage, and Background scripts.

Figure: form data stored in local storage

Franchisee Inquiry

The screenshot shows a web application for a franchise inquiry. The header features the logo "Tastebite". The main form contains fields for Age (28), Email (hima@gmail.com), Phone (9988833221), Alternate Phone (9988779954), Number of stores Interested in (1), When do you plan to open your first store? (25-08-2024), Business/Industry Experience (Yes, I have prior business experience), Desired business Location (Vaishnodevi Circle, Ahmedabad), Tell us about your professional background (MBA in Marketing and Finance from IIM-A), Any Questions/Queries (When can we fix our meeting?), and a Submit button.

localhost:4200 says
Your application has been submitted sucessfully

OK

Age:
28

Email:
hima@gmail.com

Phone:
9988833221

Alternate Phone:
9988779954

Number of stores Interested in:
1

When do you plan to open your first store?:
25-08-2024

Business/Industry Experience:
 Yes, I have prior business experience.
 No, I am new to business ownership.

Desired business Location:
Vaishnodevi Circle, Ahmedabad.

Tell us about your professional background:
MBA in Marketing and Finance from IIM-A.

Any Questions/Queries:
When can we fix our meeting?

Submit

Figure: form submitted successfully

Catering Services Inquiry

- It gathers information from potential clients interested in hiring catering services for a variety of occasions.
- It takes personal information, the type of event, the date, the number of visitors, and any unique requests.

Catering Services Inquiry

Tastebite

Home Menu Log Off

Inquire for services

Name*
First Name
Middle Name Middle Name is required
Last Name Last Name is required

Email address*
Enter email E-mail is required.

Phone*
Enter phone number phone number is required.

Select the service you need*

Expected number of guests*
Expected number of guests Number of Guest is required

Figure: service form validation

Catering Services Inquiry

Tastebite

Home Menu Log Off

Inquire for services

Name:^{*}

First Name Middal Name last Name

Email address:^{*}

Enter email

Phone:^{*}

Enter phone number

Select the service you need:^{*}

Birthday Party
Business Meeting
Wedding and Reception
Corporate Catering
Outdoor Catering

Submit

Figure: Provided services

Catering Services Inquiry

The screenshot shows a service inquiry form on a website. At the top left is the logo "Tastebite". At the top right is a shopping cart icon with a "1" notification. A central modal window displays a success message: "localhost:4200 says Your application has been submitted sucessfully" with an "OK" button. Below the modal is the form itself, titled "Inquire for services". The form fields include:

- Name*: Hima
- Guests*: 5
- Javiya
- Email address*: hima@gmail.com
- Phone*: 9988833221
- Select the service you need*: Business Meeting
- Expected number of guests*: 100
- Submit button

Figure: service Inquiry form

Catering Services Inquiry

http://localhost:4200

Origin http://localhost:4200

Key	Value
serviceFormData	[{"name": {"firstName": "Hima", "middleName": "S", "lastName": "Javiya"}, "email": "hima@gmail.com", "noOfGuests": "100", "phone": "9988833221", "service": "Business Meeting"}]

Figure: service form data stored in local storage

Menu Component

It Includes:

- Popup for View Details of Product
- Adjust Quantity of Product
- Add to cart
- Search Product
- Filter Products By
 - Cousin
 - Price
 - Name
 - Speciality

Menu Component

Tastebite

Home Menu Login

0

Our Menu

Search All Gujarati Breakfast Meals Drinks Dessert Category Sort By



Aam Ras

Price: ₹80.00 4.1

[View Details](#)



Khandvi

Price: ₹100.00 4.1

[View Details](#)



Surti Undhiyu Puri

Price: ₹250.00 4.5

[View Details](#)



Kichdi-Kadi-papad

Price: ₹100.00 4.6

[View Details](#)



Figure: Menu page

Menu Component

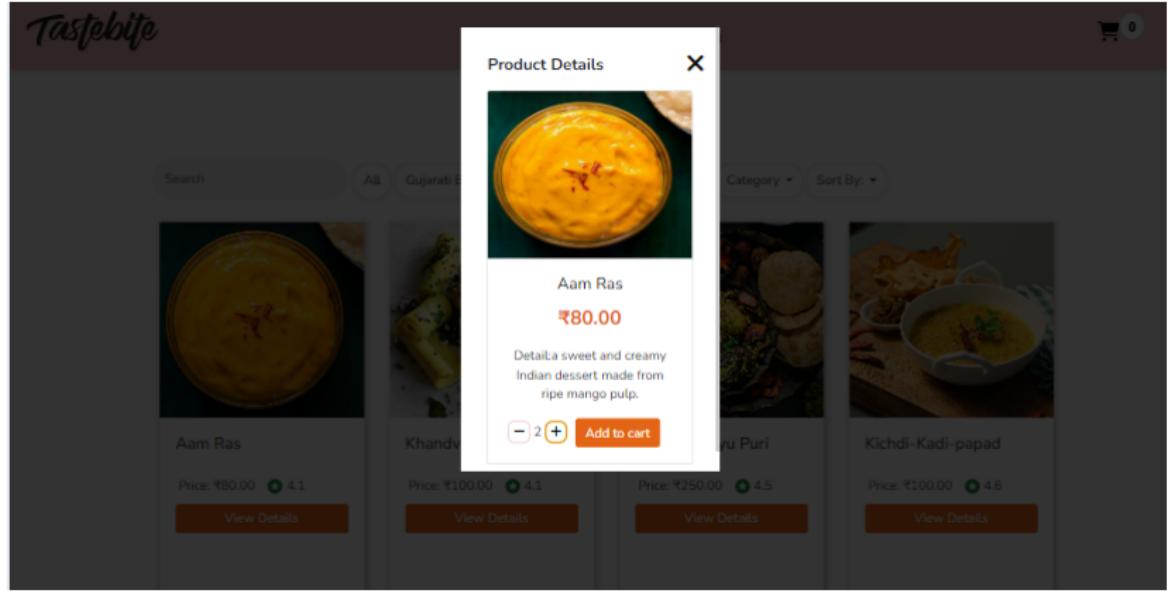


Figure: Details of product

Menu Component

```
export interface IProducts {  
    productId : number;  
    image: string;  
    productName: string;  
    productDescription: string;  
    prize: number;  
    availability: boolean;  
    qnt: number;  
    Tag : string[];  
    rating:number;  
}
```

Figure: Structure of product json array

Menu Component

Tastebite

Home Menu Log Off

Cart 1

Our Menu

Lassi | All | Gujarati Breakfast | Meals | Drinks | Dessert | Category | Sort By: ▾



Mango Lassi

Price: ₹70.00 ⚡ 3.9

[View Details](#)



Rose lassi

Price: ₹60.00 ⚡ 3.9

[View Details](#)



Lassi

Price: ₹40.00 ⚡ 4.6

[View Details](#)

Figure: search item: lassi

Menu Component

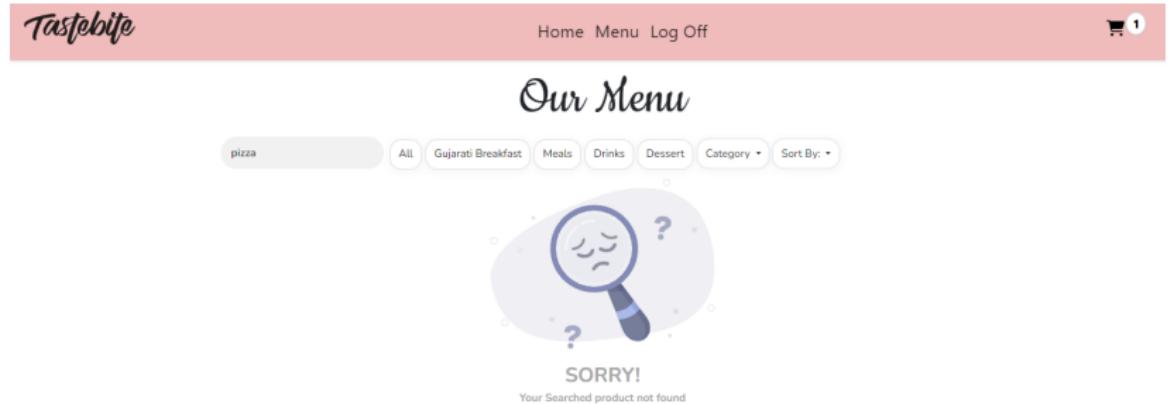


Figure: search item: Not found

Menu Component

Tastebite

Home Menu Log Off

Our Menu

Search All Gujarati Breakfast Meals Drinks Dessert Category Sort By:



Aam Ras

Price: ₹80.00 4.1

[View Details](#)



Mango Lassi

Price: ₹70.00 3.9

[View Details](#)



Rose lassi

Price: ₹60.00 3.9

[View Details](#)



Sweet Corn Soup

Price: ₹100.00 4.6

[View Details](#)

Figure: Filter by Tag : Drinks

Menu Component

Tastebite

Home Menu Log Off

Our Menu

Search All Gujarati Breakfast Meals Drinks Dessert Category Sort By:

Mendu Vada Uttapam idli sambhar Mysore Dosa

Price: ₹80.00 4.5 Price: ₹60.00 4.6 Price: ₹100.00 4.6 Price: ₹150.00 4.4

[View Details](#) [View Details](#) [View Details](#) [View Details](#)

Sandwich
South Indian
Chinese

Figure: Filter by Category : South Indian

Menu Component

Tastebite

Home Menu Log Off

Our Menu

Search All Gujarati Breakfast Meals Drinks Dessert Category Sort By: Price: Low to High

Masala Tea

Price: ₹10.00 4.5

View Details

Rumali Roti

Price: ₹15.00 4.4

View Details

Ginger Tea

Price: ₹15.00 4.5

View Details

Thums Up

Price: ₹20.00 4.5

View Details

Price: High to Low

Price: Low to High

A-Z

Z-A

Item	Price	Rating
Masala Tea	₹10.00	4.5
Rumali Roti	₹15.00	4.4
Ginger Tea	₹15.00	4.5
Thums Up	₹20.00	4.5

Figure: sort by:: price: Low to High

Menu Component

Tastebite

Home Menu Log Off

1

Our Menu

Search All Gujarati Breakfast Meals Drinks Dessert Category Sort By: Price: High to Low



Gulab Jamun
Price: ₹310.00 4.2
[View Details](#)



Motichur Laddu
Price: ₹300.00 4.2
[View Details](#)



Surti Undhiyu Puri
Price: ₹250.00 4.5
[View Details](#)



Chilli Paneer
Price: ₹250.00 4.6
[View Details](#)

Figure: sort by:: price: High to Low

Menu Component

Tastebite

Home Menu Log Off

1

Our Menu

Search All Gujarati Breakfast Meals Drinks Dessert Category Sort By: Z - A



Vanilla Ice Cream

Price: ₹50.00 4.2

[View Details](#)



Vada pav

Price: ₹25.00 4.5

[View Details](#)



Uttapam

Price: ₹60.00 4.6

[View Details](#)



Undhiyu

Price: ₹50.00 4.2

[View Details](#)

Figure: sort by:: Z - A

Cart Component

- Show Cart Details
- Adjust Quantity of the product
- Calculate the subtotal price and the total price of cart items
- Single Delete
- Remove all / empty Cart
- Checkout

Cart Component

Tastebite

Home Menu Login

1

Image	Name	Price	Quantity	Sub Total	Remove Item
	Aam Ras	₹80.00	- 2 +	₹160.00	

[Continue Shopping](#) [Remove All Item](#) Total: ₹160.00 [Checkout](#)

Figure: Cart Page

Cart Component

Tastebite

Home Menu Log Off

3

Image	Name	Price	Quantity	Sub Total	Remove Item
	Aam Ras	₹80.00	<input type="button" value="-"/> <input type="text" value="2"/> <input type="button" value="+"/>	₹160.00	
	samosa	₹20.00	<input type="button" value="-"/> <input type="text" value="1"/> <input type="button" value="+"/>	₹20.00	
	Vada pav	₹25.00	<input type="button" value="-"/> <input type="text" value="1"/> <input type="button" value="+"/>	₹25.00	

[Continue Shopping](#) [Remove All Item](#) Total: ₹205.00 [Checkout](#)

Figure: Adding some more items to cart

Cart Component

Tastebite

Home Menu Log Off

3

Image	Name	Price	Quantity	Sub Total	Remove Item
	Aam Ras	₹80.00	<input type="button" value="-"/> 2 <input type="button" value="+"/>	₹160.00	
	samosa	₹20.00	<input type="button" value="-"/> 5 <input type="button" value="+"/>	₹100.00	
	Vada pav	₹25.00	<input type="button" value="-"/> 1 <input type="button" value="+"/>	₹25.00	

[Continue Shopping](#) [Remove All Item](#) Total: ₹285.00 [Checkout](#)

Figure: Adding more quantities of samosa

Cart Component

Tastebite

Home Menu Log Off

Cart (2)

Image	Name	Price	Quantity	Sub Total	Remove Item
	Aam Ras	₹80.00	<input type="button" value="-"/> 2 <input type="button" value="+"/>	₹160.00	
	samosa	₹20.00	<input type="button" value="-"/> 5 <input type="button" value="+"/>	₹100.00	

[Continue Shopping](#) [Remove All Item](#) Total: ₹260.00 [Checkout](#)

Figure: Single delete: Deleting vadapav

Cart Component

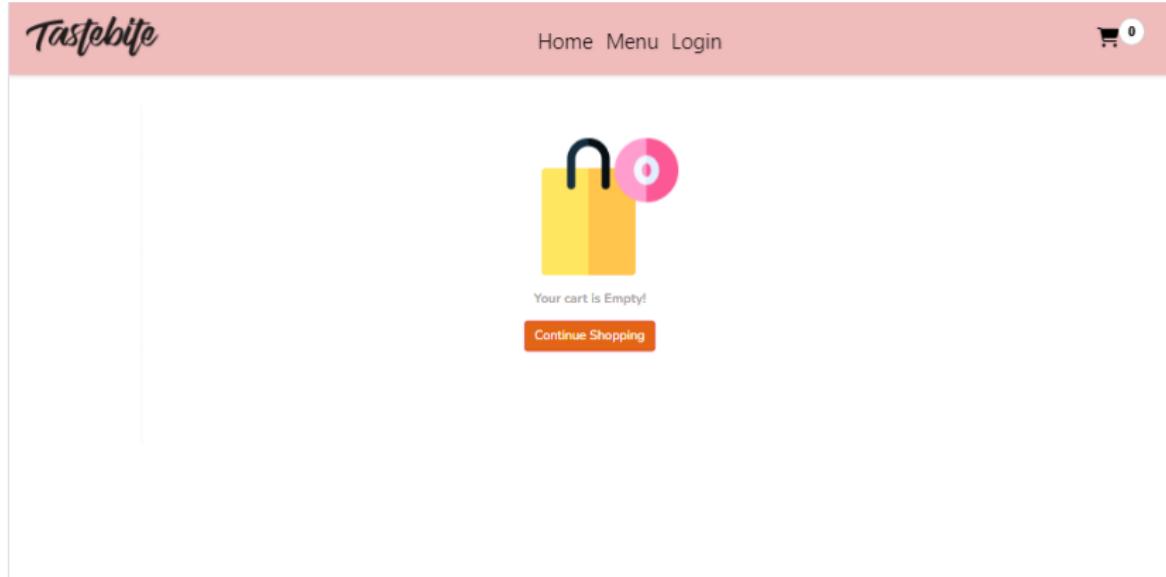


Figure: Remove all item : Empty Cart

Delete All: Empty cart

http://localhost:4200

Key	Value
localCart	[{"productId":1,"image":"./assets/Images/Aamras.jpg","produ... ▼ [{productId: 1, image: "./assets/Images/Aamras.jpg", productName: "Aam Ras", prize: 80,...}] ▼ 0: {productId: 1, image: "./assets/Images/Aamras.jpg", productName: "Aam Ras", prize: 80,...} ► Tag: ["Drinks", "md"] availability: true image: "./assets/Images/Aamras.jpg" prize: 80 productDescription: "a sweet and creamy Indian dessert made from ripe mango pulp." productId: 1 productName: "Aam Ras" qnt: 2 rating: 4.1

Figure: cart data stored in local storage

Register User

If you are a new user, make a new account; the data will be saved in local storage so that we may use it later to validate the user.

Register User

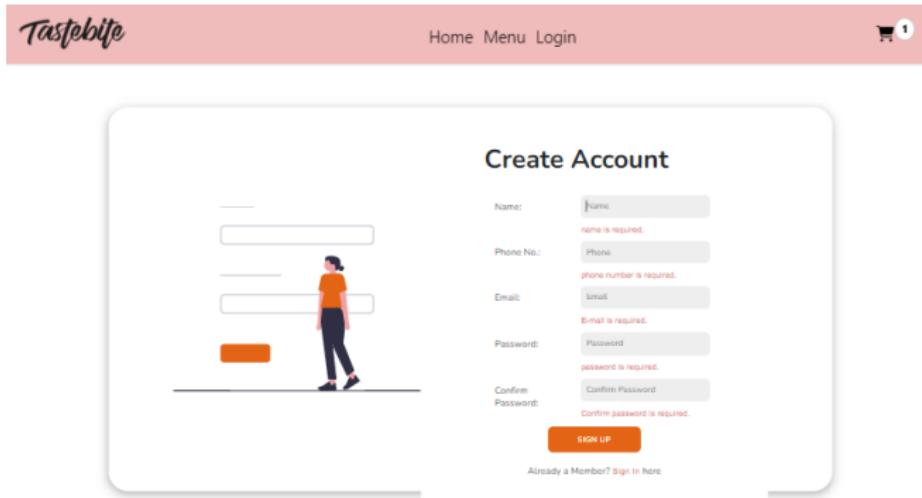


Figure: Sign Up validations

Register User

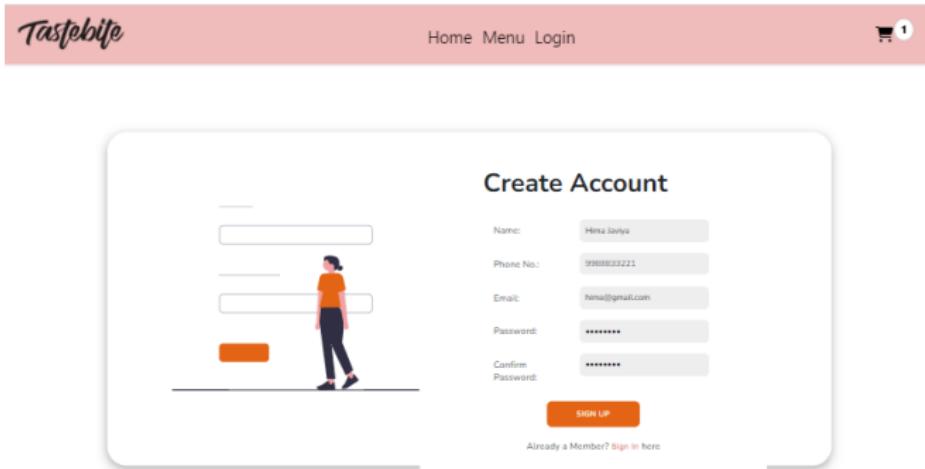


Figure: sign Up

Register User

localhost:4200 says

Registration Successfully



Figure: Registration successfully message

Register User

http://localhost:4200	
Origin	http://localhost:4200
Key	Value
angular17users	[{"email": "dhruvachopda@gmail.com", "name": "Dhruba chopda", "password": "Dhruba@123", "phone": "9988332211", "confirmPassword": "Dhruba@123"}, {"email": "hima@gmail.com", "name": "Hima Javiya", "password": "Hima@123", "phone": "9988833221", "confirmPassword": "Hima@123"}]
▼ [,...]	
▼ 0: {email: "dhruvachopda@gmail.com", name: "Dhruba chopda", password: "Dhruba@123", phone: "9988332211", confirmPassword: "Dhruba@123", email: "dhruvachopda@gmail.com", name: "Dhruba chopda", password: "Dhruba@123", phone: "9988332211"}	
▼ 1: {email: "hima@gmail.com", name: "Hima Javiya", password: "Hima@123", phone: "9988833221", confirmPassword: "Hima@123", email: "hima@gmail.com", name: "Hima Javiya", password: "Hima@123", phone: "9988833221"}	

Figure: user data stored in local storage

login

The Login Component is an essential component of any online site, allowing users to verify themselves and receive access to restricted resources and functions. This component normally includes fields for the user's credentials (email and password), as well as functions for form validation and submission processing.



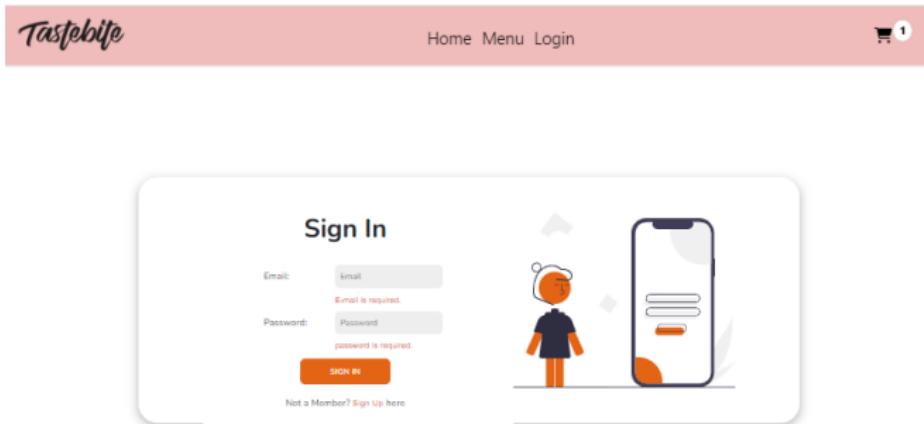


Figure: Sign In validations

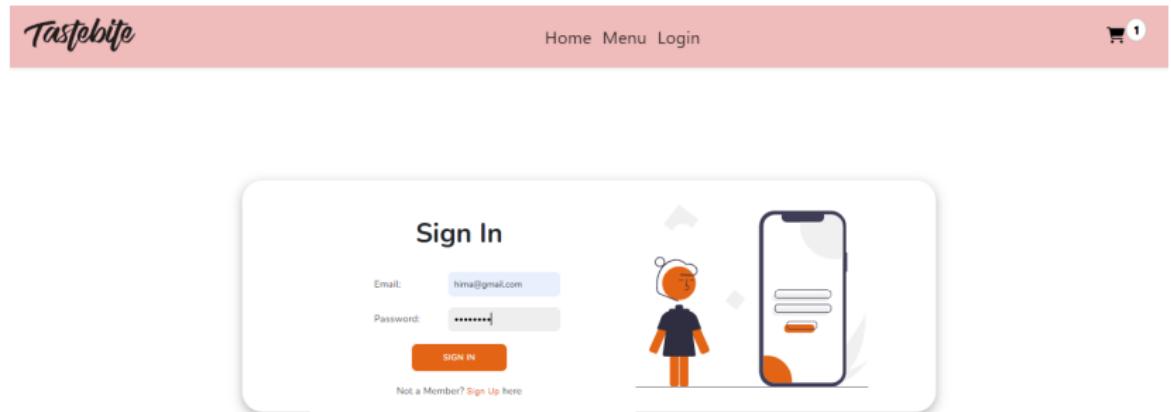


Figure: sign In

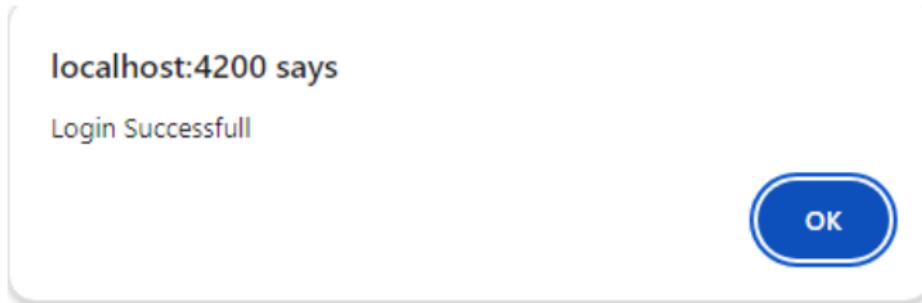


Figure: Sign In successfully message

http://localhost:4200

Origin	http://localhost:4200
Key	Value
loggedUser	{"email": "hima@gmail.com", "name": "Hima Javiya", "password": "Hima@123", "phone": "9988833221", "confirmPassword": "Hima@123"} email: "hima@gmail.com" name: "Hima Javiya" password: "Hima@123" phone: "9988833221"
▼	{email: "hima@gmail.com", name: "Hima Javiya", password: "Hima@123", phone: "9988833221",-} confirmPassword: "Hima@123" email: "hima@gmail.com" name: "Hima Javiya" password: "Hima@123" phone: "9988833221"

Figure: Logged user data stored in local storage

Payment

When making a payment, you must first select Dine In or Delivery. From there, you may calculate your entire price; if you select delivery, you must pay an additional 50 rupees for the delivery charge. After that, you will have two alternatives for paying your amount: cash or online payment, which will provide you with a variety of payment methods such as net banking, QR scanning, mobile wallet, and credit or debit card options, therefore improving the user payment experience.

Payment

The screenshot shows a restaurant payment interface for 'Tastebite'. At the top, there's a navigation bar with 'Home', 'Menu', 'Log Off', and a shopping cart icon with a '1' notification. Below the navigation is the restaurant logo 'Tastebite'. On the left, there are two radio buttons for 'Select Option': one for 'Dine In' (selected) and one for 'Delivery'. Under 'Payment Option', there are two radio buttons: 'Cash' (unchecked) and 'Online Payment' (checked). Below these are two orange buttons: 'Pay with Razorpay' and 'QR'. To the right, there's a table showing a single item: Aam Ras at ₹80.00 per unit, quantity 2, totaling ₹160.00. The table has columns for Name, Rate, Quantity, and Amount. Below the table, the Sub Total is ₹160.00 and GST(18%) is ₹29.00. A horizontal line separates this from the final Total of ₹189.00.

Name	Rate	Quantity	Amount
Aam Ras	₹80.00	2	₹160.00

Sub Total: ₹160.00
GST(18%): ₹29.00

Total: ₹189.00

Figure: Dine In and online payment

Payment

Tastebite

Home Menu Log Off

Cart (1)

Select Option: Dine In Delivery

Payment Option: Cash Online Payment

Print Bill

Name	Rate	Quantity	Amount
Aam Ras	₹80.00	2	₹160.00

Sub Total: ₹160.00
GST(18%): ₹29.00

Total: ₹189.00

Tastebite Restaurant
123 Street, City, Country
Email: info@tastebite.com
Phone: 123-456-7890

Client Details
Client Name: Hima Javlya
Client Email: hima@gmail.com
Client Phone: 9988833221

Invoice Number: 001
Date: 23/05/2024
Payment Type: cash

Figure: Dine In and cash payment

Payment

Tastebite

Home Menu Log Off



Select Option: Dine In Delivery

Address:

Flat/House No./Building, Apartment Number:

House/Block Number is required

Area/ Street/ Sector/ Village:

Street name is required

Landmark:

Landmark is required

Township/ City:

City name is required

State:

Pincode:

State name is required

Pincode is required.

Payment Option:

Cash

Name	Rate	Quantity	Amount
Aam Ras	₹80.00	2	₹160.00

Sub Total: ₹160.00
GST(18%): ₹29.00
Delivery fees: ₹50.00

Total: ₹239.00

Figure: Delivery address validations

Payment

Tastebite

Home Menu Log Off 1

Select Option: Dine In Delivery

Address:
Flat/House No./Building, Apartment Number:
3271

Area/ Street/ Sector/ Village:
Desainagar

Landmark:
Near Petrol pump

Township/ City:
Bhamanagar

State: Gujarat Pincode: 364001

Sub Total: ₹160.00
GST(18%): ₹29.00
Delivery fees: ₹50.00

Total: ₹239.00

Payment Option:
 Cash Online Payment

[Pay with Razorpay](#) [QR](#)

Figure: Delivery and online payment

Payment

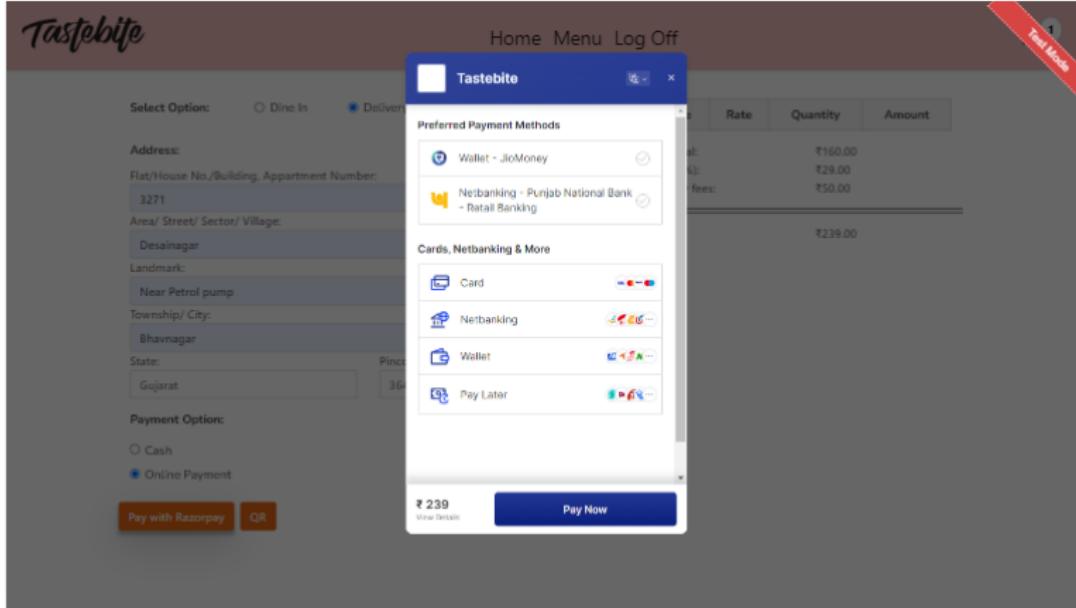
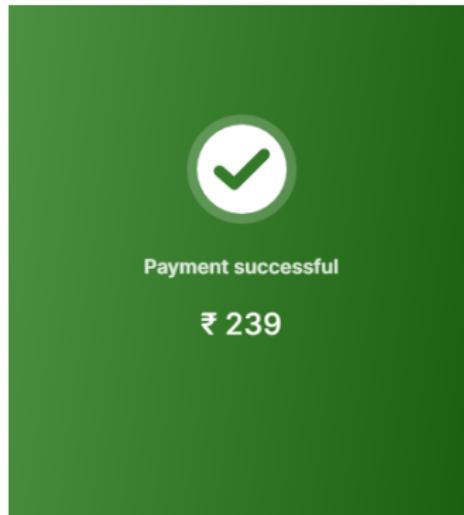


Figure: Razor pay UI

Payment



Tastebite

May 20, 2024 | 03:46 PM

Wallet | pay_OCiBSQ0crwsVB3

© Visit razorpay.com/support for queries

[Redirecting in 4 seconds...](#)

Figure: Success

Payment

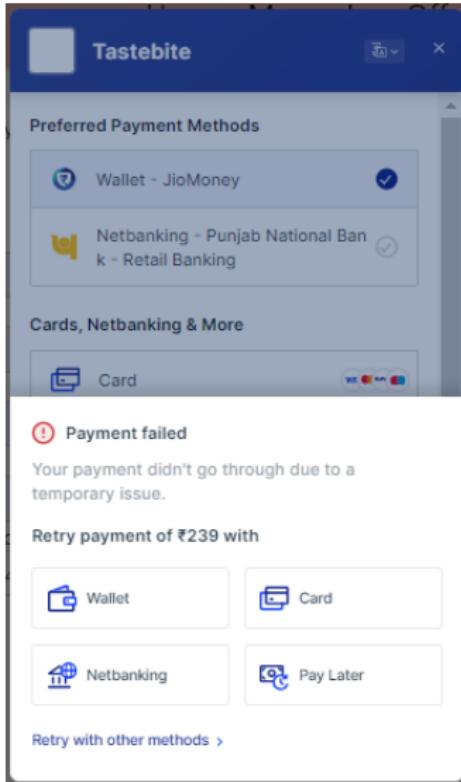


Figure: Fail

Payment

Tastebite

Home Menu Log Off 

[Print Bill](#)

Tastebite Restaurant

123 Street, City, Country
Email: info@tastebite.com
Phone: 123-456-7890

Client Details

Client Name: Hima Javviya
Client Email: hima@gmail.com
Client Phone: 9988833221

Invoice Number: 001
Date: 23/05/2024
Payment Type: online

Name	Rate (INR)	Quantity	Amount (INR)
Aam Ras	80	2	160

Sub Total: 160
GST(18%): 29
Delivery fees: 50

Total(INR): 239

 +91 123-456-7890  info@tastebite.com  tastebite_2003

Figure: Bill Receipt

Responsive

I used Bootstrap classes and CSS media queries to display all of the photos on a mobile screen.

Tastebite



"Taste the essence of Gujarat at Tastebite, where every bite tells a flavorful story of tradition and authenticity."

[Explore Menu](#)

Catering Services

Tastebite



Birthday Party

Indulge in delectable delights tailored for your special day with our birthday party catering.



Business Meetings

Elevate your business meetings with gourmet cuisine and impeccable service from our catering team.



Wedding Party

Make your wedding day an unforgettable culinary experience with our exquisite catering services.

Tastebite



Wedding Party

Make your wedding day an unforgettable culinary experience with our exquisite catering services.

Inquire Now →



Our Speciality

Tastebite



Our Speciality

Experience the vibrant flavors of Gujarat on your plate! Indulge in our authentic Gujarati cuisine, where every dish is a celebration of tradition and taste. Savor the richness of Gujarat's culinary heritage at our restaurant.

[Explore Menu](#)

Tastebite Private limited

+91 987-654-3210

info@tastebite.com

tastebite_2003

Timing

Mon-Fri: 8 AM - 10 PM

Sat-Sun: 8 AM - 12 AM

Important Links

[Home](#)

[Menu](#)

Tastebite



[Explore Menu](#)

Tastebite Private limited

 +91 987-654-3210

 info@tastebite.com

 tastebite_2003

Timing

Mon-Fri: 8 AM - 10 PM

Sat-Sun: 8 AM - 12 AM

Important Links

[Home](#)

[Menu](#)

[Cart](#)

Contact Us

[Help & Support](#)

[Partner with us](#)

[Enquire for services](#)

 Hima Javiya

Home

Menu

Cart

Log Off



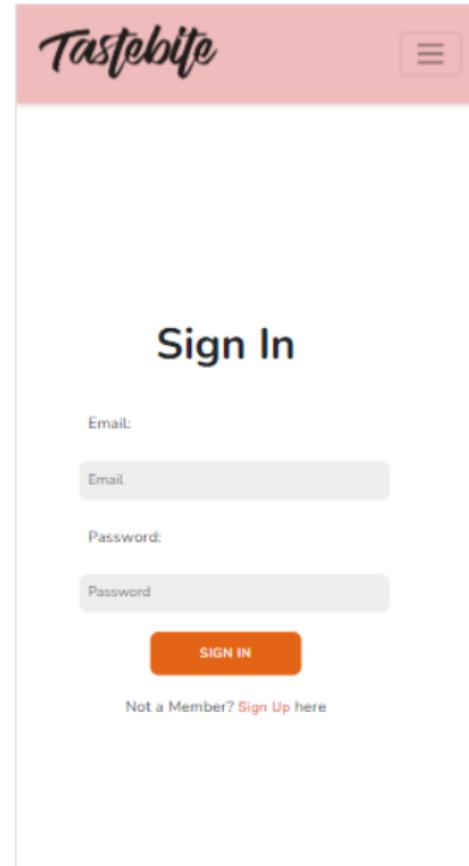
Surti Undhiyu Puri

Price: ₹250.00  4.5



[View Details](#)





The image shows a responsive web page for 'Tastebite'. At the top left is the 'Tastebite' logo in a black, cursive font. To its right is a white square button with three horizontal lines. The main title 'Sign In' is centered in a large, bold, black sans-serif font. Below it are two input fields: 'Email:' followed by a light gray rectangular input field containing the placeholder 'Email'. Below that is 'Password:' followed by another light gray rectangular input field containing the placeholder 'Password'. At the bottom center is a large orange rectangular button with the white text 'SIGN IN'. At the very bottom of the page, centered, is the text 'Not a Member? [Sign Up here](#)'.

Tastebite

Sign In

Email:

Email

Password:

Password

SIGN IN

Not a Member? [Sign Up here](#)



≡

Create Account

Name:

Phone No.:

Email:

Password:

Confirm Password:

SIGN UP

Already a Member? [Sign In here](#)

Responsive

Tastebite

≡

Name	Quantity	Sub Total	Remove Item
Aam Ras	- 2 +	₹160.00	trash

[Continue Shopping](#) [Remove All Item](#)

Total: ₹160.00 [Checkout](#)

Tastebite



Select Option:

Dine In

Delivery

Payment Option:

Cash

Online Payment

Name	Rate	Quantity	Amount
------	------	----------	--------

Sub Total: ₹160.00

GST(18%): ₹29.00

Total: ₹189.00

Print Bill

Tastebite Restaurant

123 Street, City, Country

Email: info@tastebite.com

Testing

Testing

Testing

For testing, I used Karma-jasmin test cases to run unit tests on my Angular project.

Jasmine is a free and open-source Behavior Driven Development (BDD) framework that tests JavaScript code and integrates nicely with Karma. It, like Karma, is proposed as a testing framework in the Angular documentation.

The Angular team built Karma, an open-source test runner for JavaScript. Karma is simple to incorporate into your project and allows you to run tests using the command line interface. Karma is excellent for running tests on browsers, smartphones, and tablets.

Testing

To execute this, you have to first go to your directory and then write:
ng test –include path-of-your-component

Login Unit Testing

Karma v 6.4.2 - connected; test: complete; DEBUG

Chrome 125.0.0.0 (Windows 10) is idle

 Jasmine 4.6.0 Options

.....

6 specs, 0 failures, randomized with seed 70229 finished in 0.278s

LoginComponent

- 1.should create
- 3.should alert for password mismatch
- 6.should login successfully
- 2.should toggle between login and signup forms
- 5.should alert for user not found
- 4.should register user and store in localStorage

Figure: login component testing

Menu Unit testing

The screenshot shows a browser window titled "Karma" with the URL "localhost:9876/?id=56792409". The page content is as follows:

Chrome is being controlled by automated test software.

Karma v 6.4.2 - connected; test: complete;

Chrome 125.0.0.0 (Windows 10) is idle

Jasmine 4.6.0

18 specs, 0 failures, randomized with seed 53976

MenuComponent

- 6.should not decrement product quantity if equal to 1
- 12.should return all products if search term is empty
- 5.should decrement product quantity if greater than 1
- 17.should sort products from low to high price
- 4.should increment product quantity
- 2.should update product quantities based on localStorage data
- 18.should sort products from A to Z
- 1.should create
- 13.should handle non-existent search terms gracefully
- 16.should sort products from high to low price
- 19.should sort products from Z to A
- 14.should filter products based on tag
- 11.should filter products by search term
- 10.reset selectedProduct when closePreview is called
- 15.should return an empty list if no products match the tag
- 9.should set selectedProduct when showPreview is called
- 8.should update cart number based on localStorage data
- 7.should add product to localStorage and navigate to cart

Figure: menu component testing

Cart Unit Testing

The screenshot shows a browser window with the title bar "Karma". The address bar displays "localhost:9876/?id=23176451". Below the address bar, a message says "Chrome is being controlled by automated test software." A green header bar indicates "Karma v 6.4.2 - connected; test: complete;". Below this, it says "Chrome 125.0.0.0 (Windows 10) is idle". A "Jasmine" logo with the version "4.6.0" is present. The main content area shows the test results:
13 specs, 0 failures, randomized with seed 42884
CartComponent
• should handle cases where localStorage is empty then total
• should load cart details and calculate total correctly
• should decrement quantity
• should increment quantity
• should retrieve cart details on initialization
• should navigate to payment if logged in
• should navigate to menu
• should create
• should navigate to login if not logged in
• should clear cart
• should remove item from cart and update local storage (single delete)
• should update cart number
• should handle cases where cart details are invalid

Figure: cart component testing

Payment Unit Testing

The screenshot shows a browser window with the title bar "Karma". The address bar displays "localhost:9876/?id=48868887". Below the address bar, a message says "Chrome is being controlled by automated test software." A green header bar indicates "Karma v 6.4.2 - connected; test: complete;". Below this, it says "Chrome 125.0.0.0 (Windows 10) is idle". A section titled "Jasmine 4.6.0" shows a list of 7 specs. The list includes various test cases for a "PaymentComponent", such as calculating totals, GST, and fees, as well as handling radio button changes and local storage.

7 specs, 0 failures, randomized with seed 21195

PaymentComponent

- 3.should load cart data from localStorage if it exists
- 6.should calculate total correctly for dine-in (stotal + gst)
- 5.should calculate GST correctly (18% of stotal)
- 9.should set paymentsuccess to true and log a message when closeQRCodeModal is called
- 8.should update selectedOption and recalculate total on radio button change
- 7.should calculate total correctly for delivery (stotal + gst + dfees)
- 1.should create

Figure: payment component testing

Navbar Unit Testing

Karma v 6.4.2 - connected; test: complete; DEBUG

Chrome 125.0.0.0 (Windows 10) is idle

Jasmine 4.6.0 Options

3 specs, 0 failures, randomized with seed 37178 finished in 0.184s

NavbarComponent

- should create
- should remove user data and navigate to home on logoff
- should update cart item count

Figure: navbar component testing

Footer Unit Testing

Karma v 6.4.2 - connected; test: complete; DEBUG

Chrome 125.0.0.0 (Windows 10) is idle

 Jasmine 4.6.0 Options

.

1 spec, 0 failures, randomized with seed 00719 finished in 0.171s

FooterComponent

- should create

Figure: footer component testing

Contact form Unit Testing

Karma v 6.4.2 - connected; test: complete; DEBUG

Chrome 125.0.0.0 (Windows 10) is idle

 Jasmine 4.6.0 Options

•

1 spec, 0 failures, randomized with seed 72925 finished in 0.198s

ContactComponent

- should create

Figure: contact form component testing

Inquiry form Unit Testing

Karma v 6.4.2 - connected; test: complete; DEBUG

Chrome 125.0.0.0 (Windows 10) is idle

 Jasmine 4.6.0 Options

1 spec, 0 failures, randomized with seed 00604 finished in 0.203s

InquiryComponent
• should create

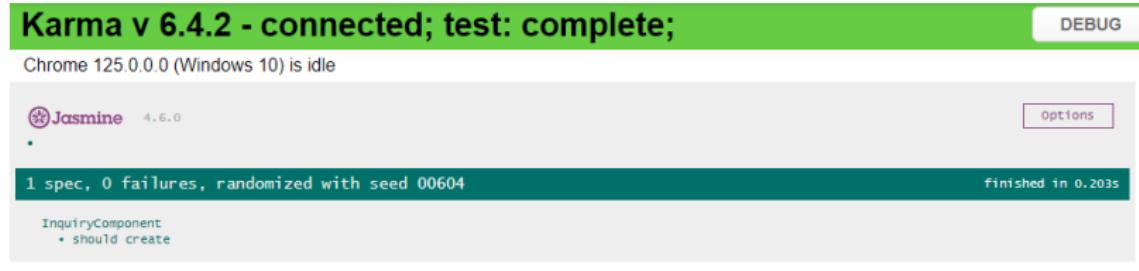


Figure: Inquiry form component testing

Conclusion

Conclusion

Conclusion

The development and implementation of an e-commerce platform would include a wide range of features targeted at improving the customer experience and operational efficiency. Secure user identification and administration, dynamic product browsing and selection, and effective shopping cart management are among the key features. The platform will also have a secure payment channel to enable smooth transactions and provide invoicing information in PDF format. The platform is well-positioned to provide consumers with a safe, efficient, and engaging shopping experience by delivering user-friendly interfaces, scalable infrastructure, and extensive quality assurance testing.



INSTITUTE OF TECHNOLOGY
NAAC ACCREDITED 'A+' GRADE

Internship Information
Project Details
Result
Testing
Conclusion
Future Work

Future Work

Future Work



Future Work

Several major enhancements are planned for the e-commerce platform. Security will be a top priority, including establishing secure procedures on localhost and migrating the platform from HTTP to HTTPS to protect user data. In addition, additional features, such as a table reservation component and profile updating capabilities, will be included to improve the user experience. The software will also transition from local storage to a genuine database, assuring scalability and data security. On the backend, Node.js API development will allow for more effective handling of user identification, product management, cart operations, and payments.

Thank you

