**Homey Feasts**

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PROG8225-23F-Sec2

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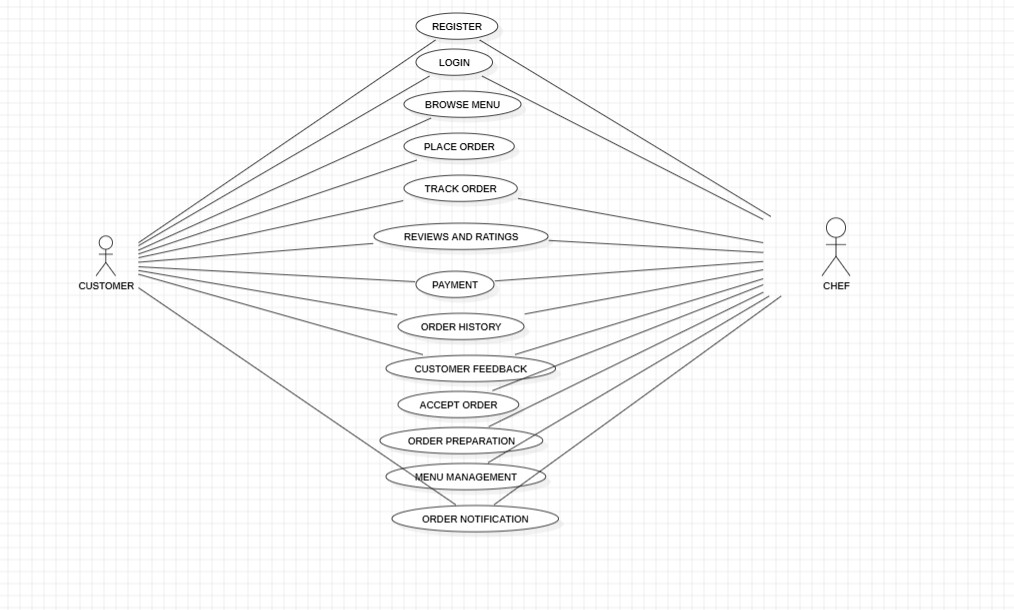
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## Use case diagram



## Use case descriptions

**Use Case 01: Customer and Chef Registration:**

-Users download the Homey Feasts app and register by providing essential details.

- Homey Feasts ensures security through a robust vetting process for chefs.

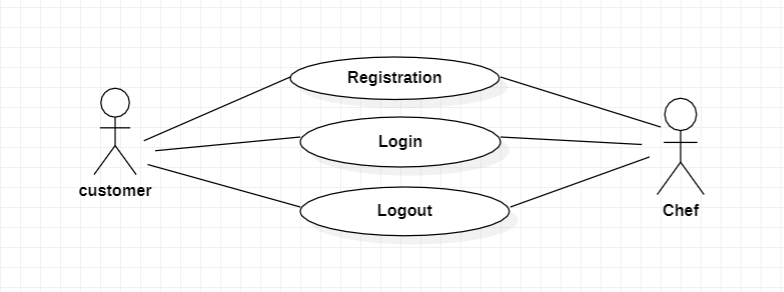
**Use Case 02: Login:**

- Customers and chefs can easily log in using their credentials.

- Homey Feasts employs secure authentication measures for account protection.

**Use Case 03: Logout:**

- Both customers and chefs can log out, enhancing security and facilitating smooth transitions.

****

**Use Case 04: Profile Management:**

- Customers and chefs can view and edit their profiles.

- Editable details include personal information and culinary preferences.

**Use Case 05: Meal Customization for Chefs:**

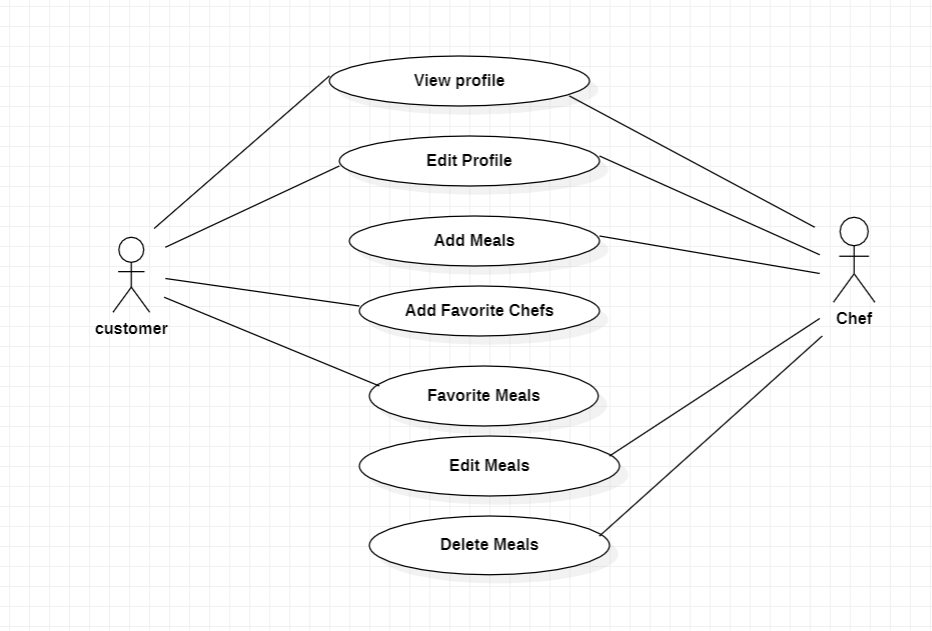
- Chefs can add, edit, and delete meals.

- Added flexibility includes updating meal details, changing prices, and adjusting availability.

**Use Case 06: Interaction:**

- Customers explore chef profiles, view meal options, and place orders based on real-time information.

- Chefs maintain dynamic profiles, showcasing culinary expertise and adapting offerings to customer preferences.



**Use Case 07: Homey Feasts - Ordering and Tracking**

**Browse Menu:**

- Customers explore a diverse menu with detailed meal descriptions.

**Add to Cart:**

- Easily select and add desired meals to the virtual cart.

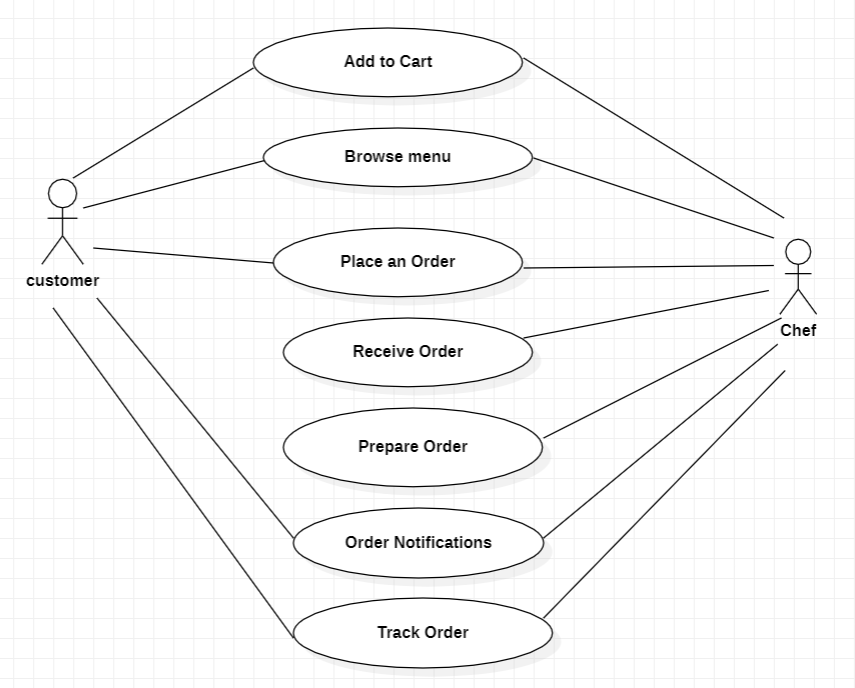
**Place an Order:**

- Efficiently place orders with delivery preferences and instructions.

**Track Order:**

- Real-time tracking provides updates on meal preparation, dispatch, and delivery.

Homey Feasts ensures a seamless and transparent customer experience, from browsing the menu to tracking the delivery of delicious, homemade meals.



**Use Case 08: Homey Feasts - Payment, Ratings and Community Interaction**

**Make Payment:**

- Customers securely pay for meals using various methods, including Interact and debit cards.

**Checkout List:**

- Access a summary of ordered items, prices, and delivery details post-payment.

**Rating and Review:**

- Provide feedback through ratings and reviews, contributing to the Homey Feasts community.

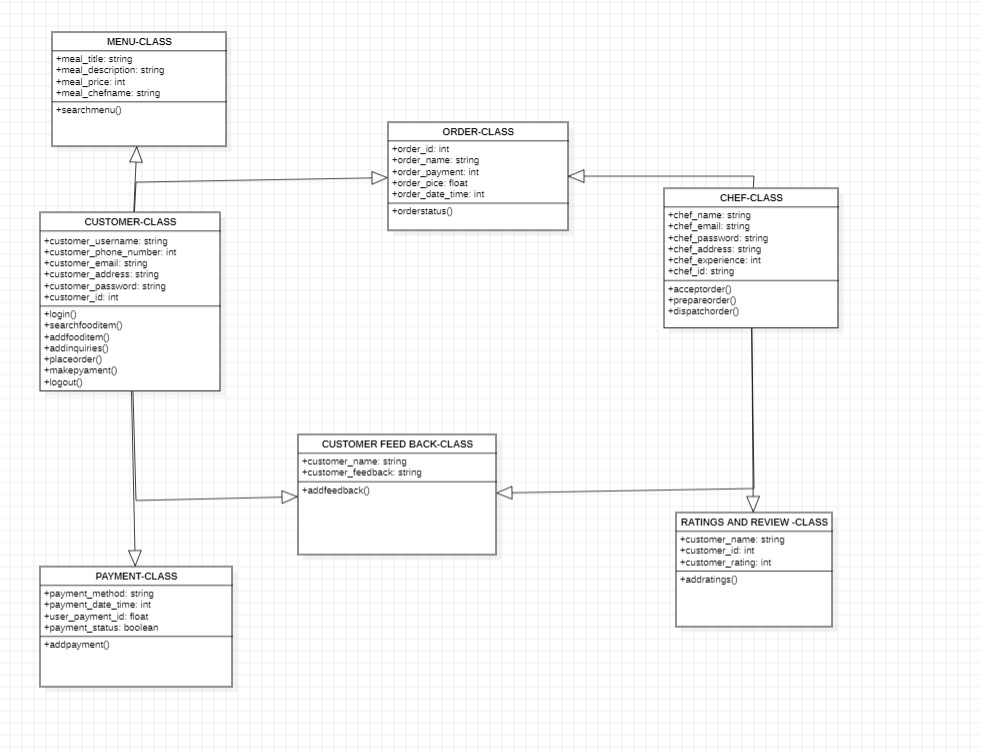
**Use Case 09: Homey Feasts Community:**

- Seamlessly connect with other enthusiasts, share experiences, and engage in the vibrant Homey Feasts community.

Homey Feasts ensures a swift and engaging user experience, from secure payments to community interaction and feedback sharing.

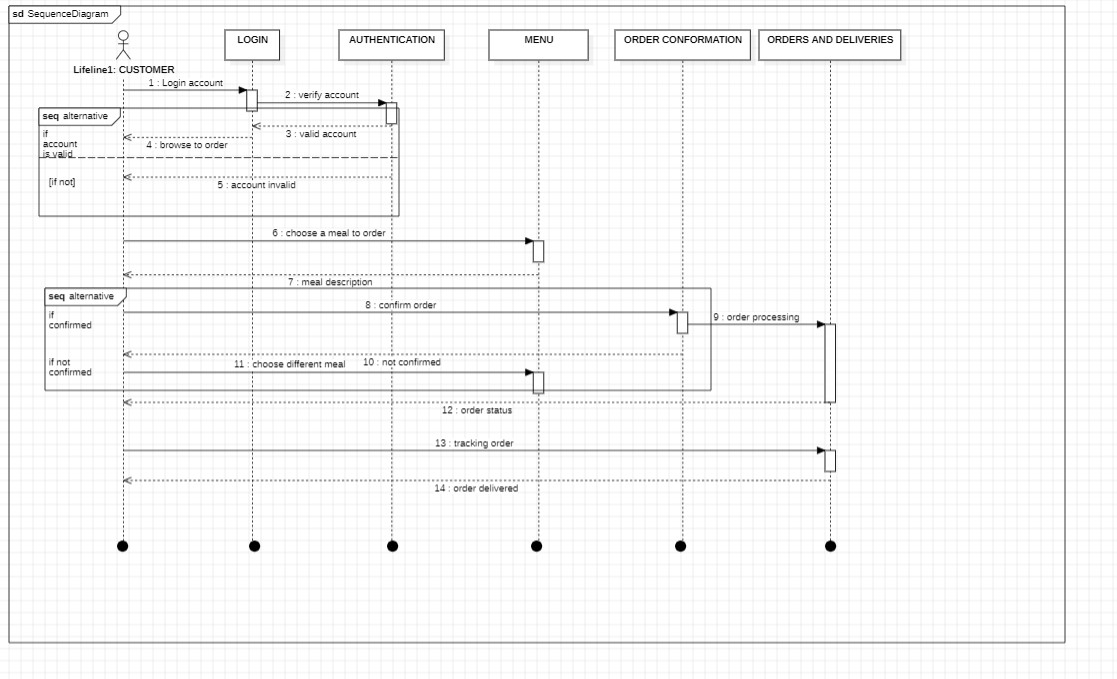
## 

## Class Diagram

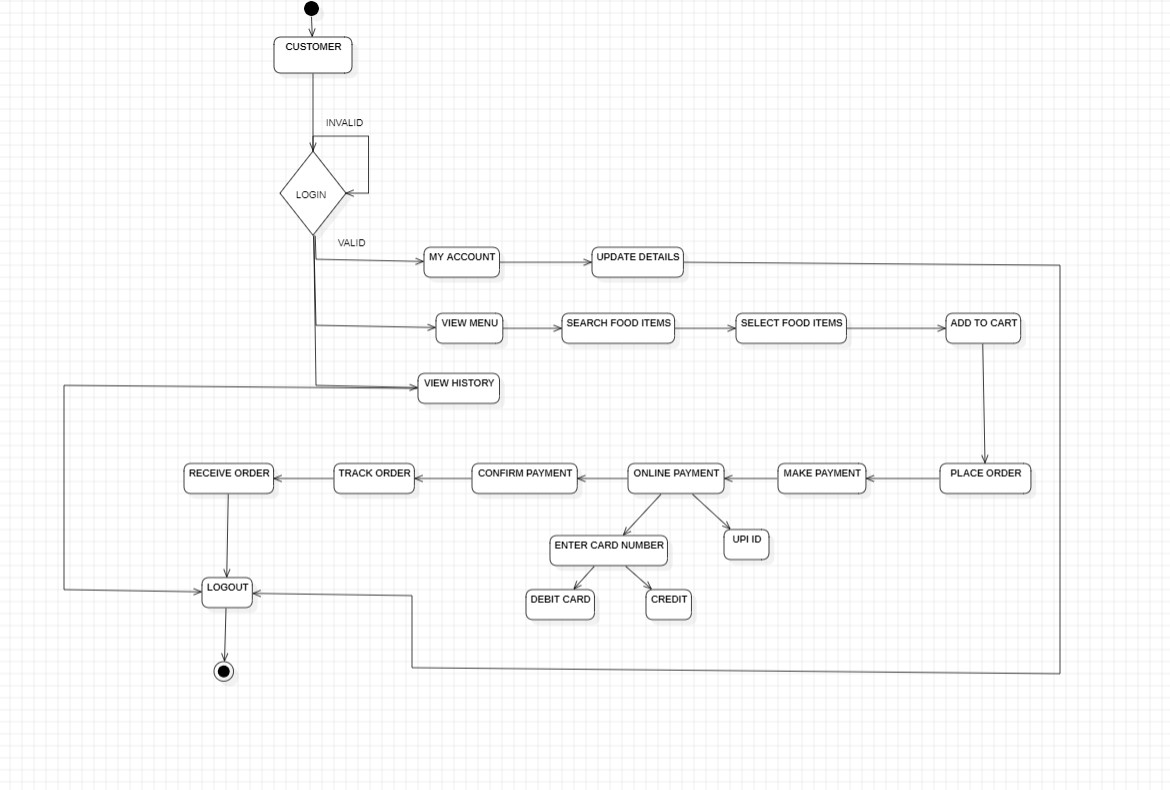


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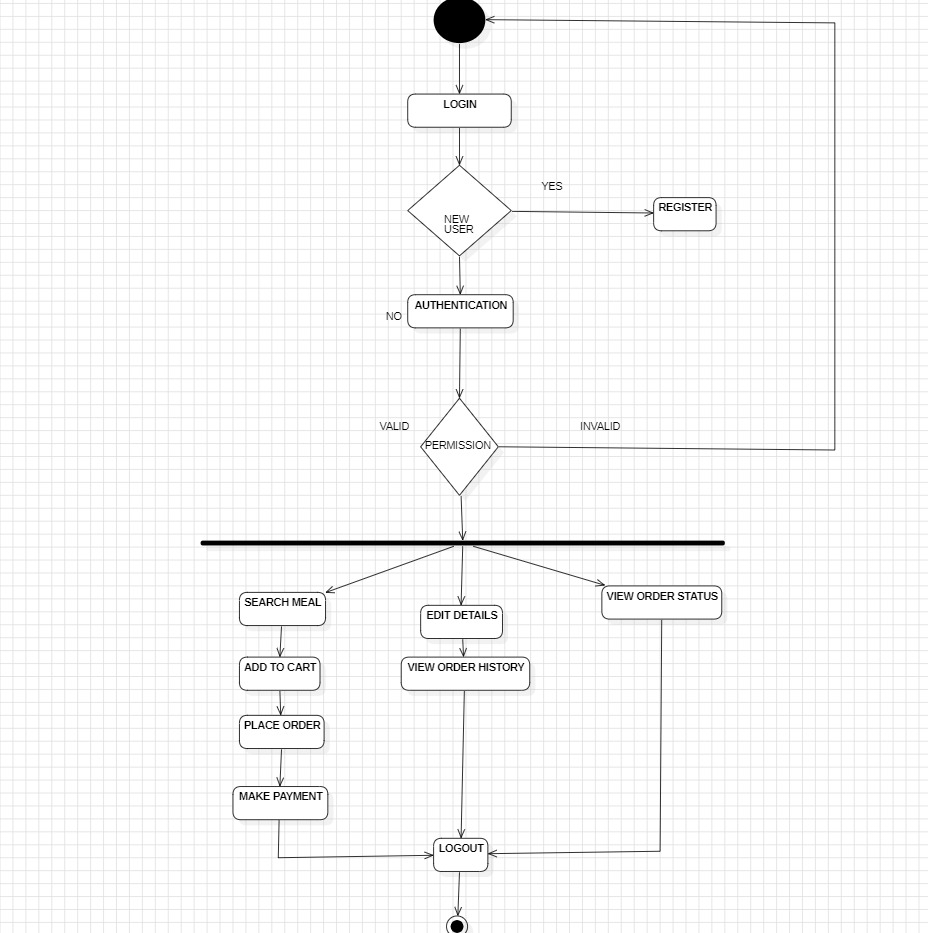
## System Sequence Diagram



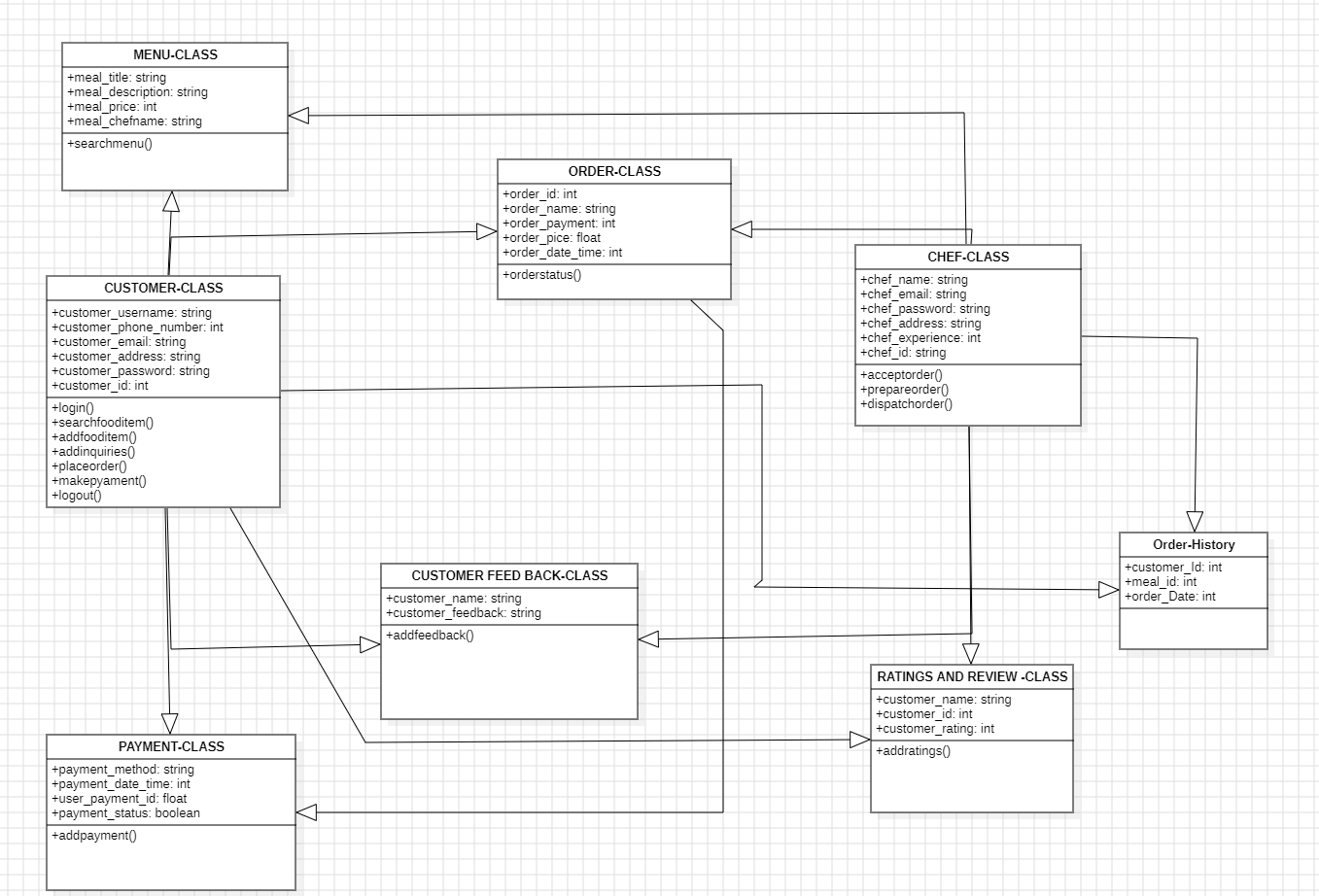
## State Chart Diagram



## Activity Diagram

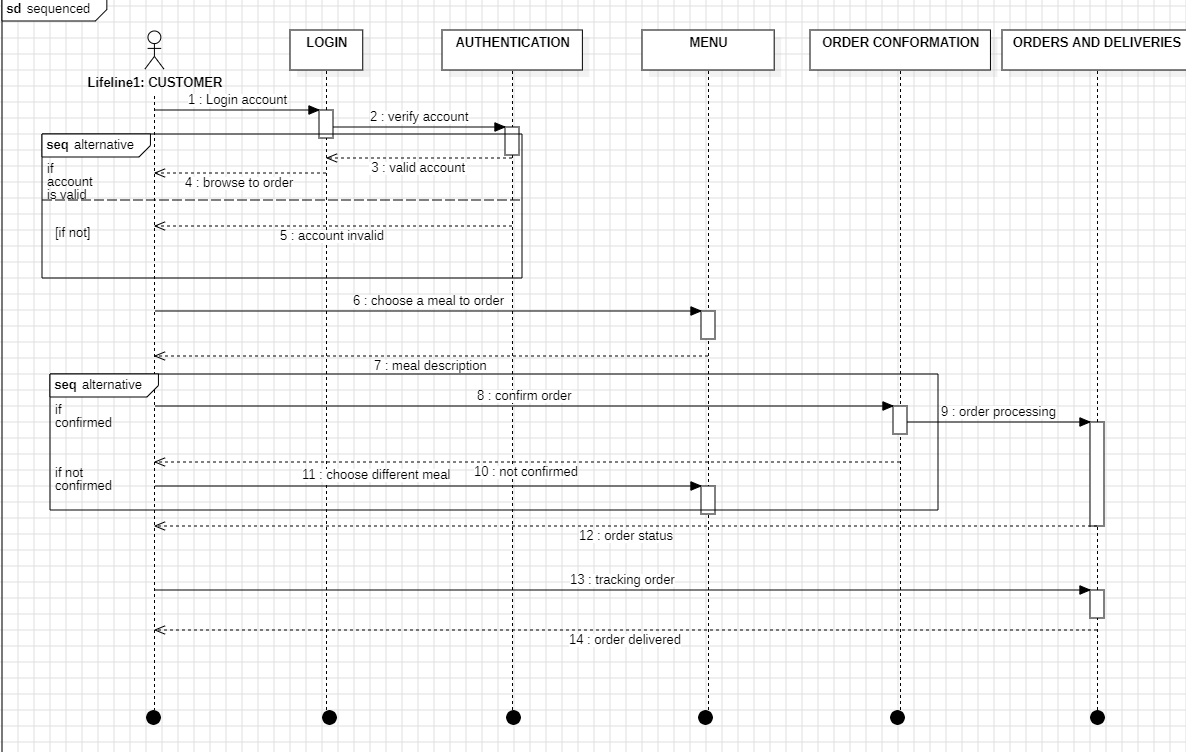


## Design Class Diagram

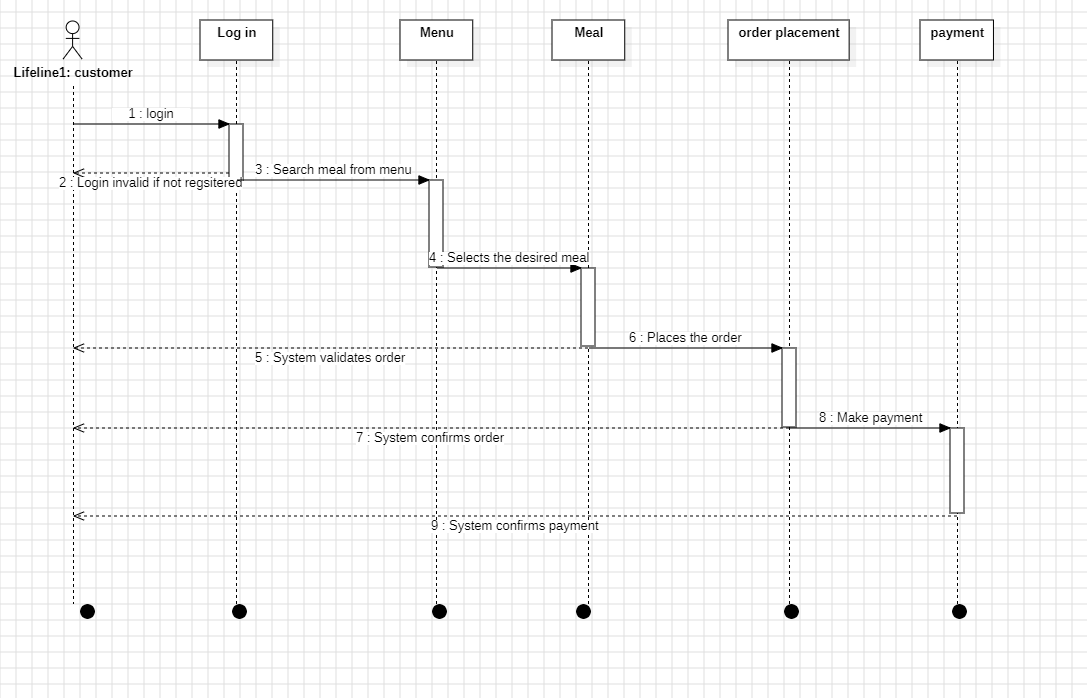


## Design Level Sequence Diagram

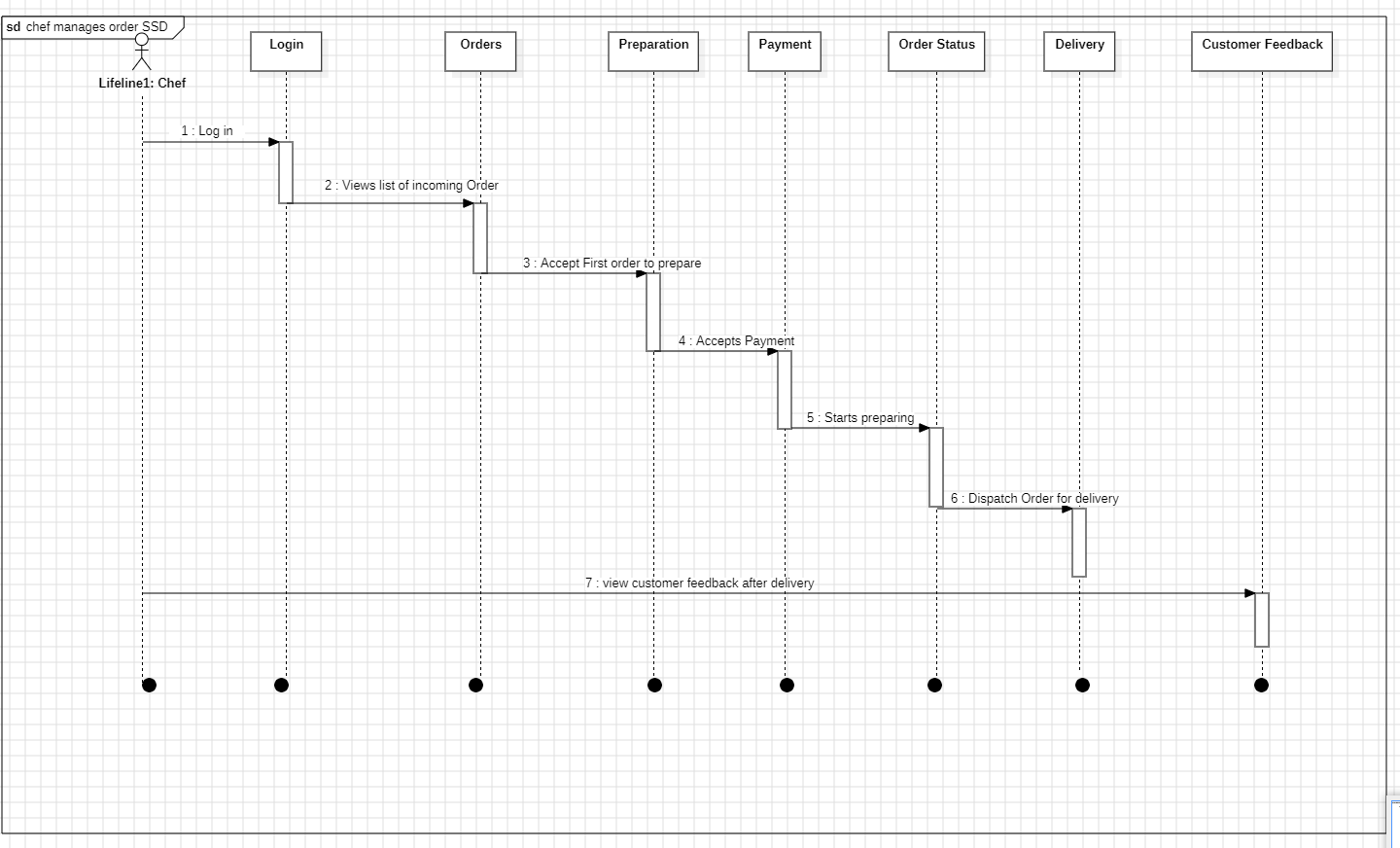
### Sequence Diagram for Order Placement



### Sequence Diagram for Chef

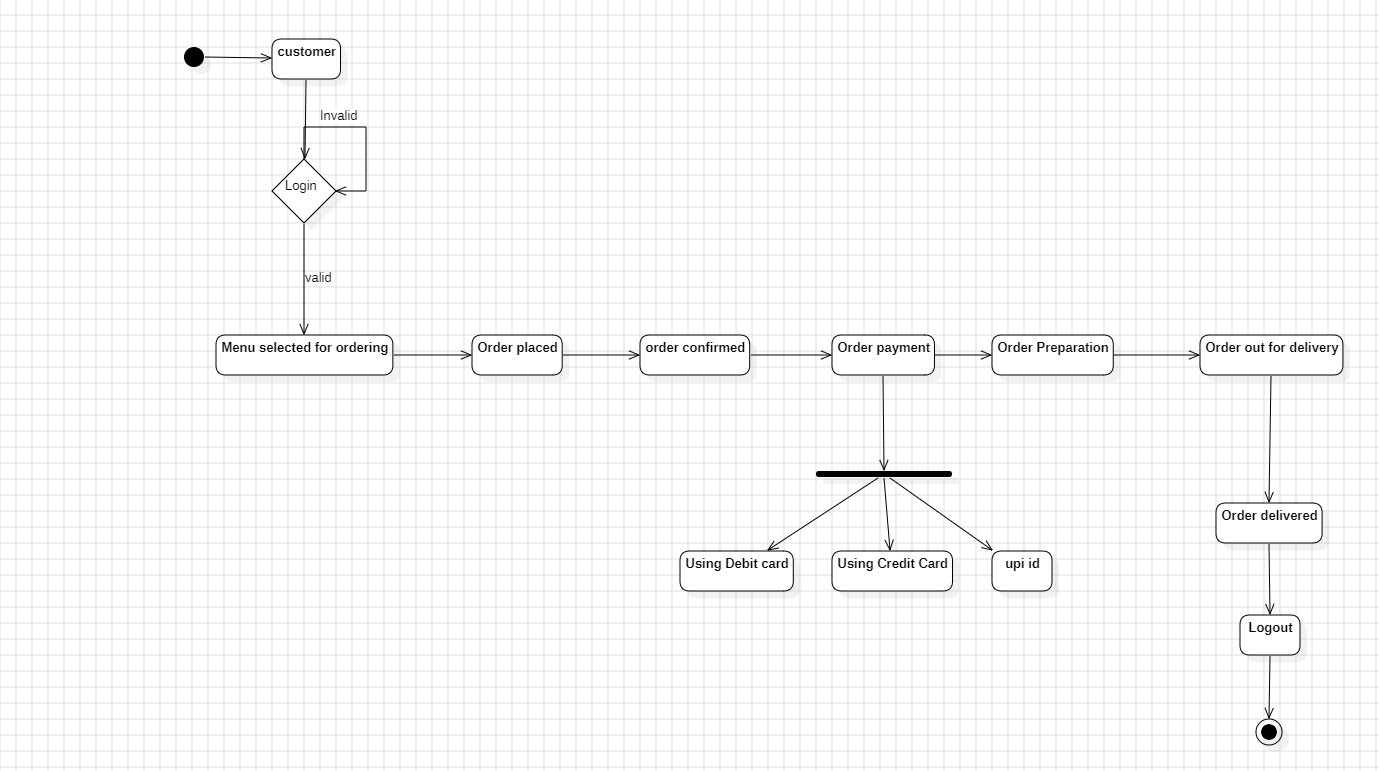


### Sequence Diagram for Customer Feedback

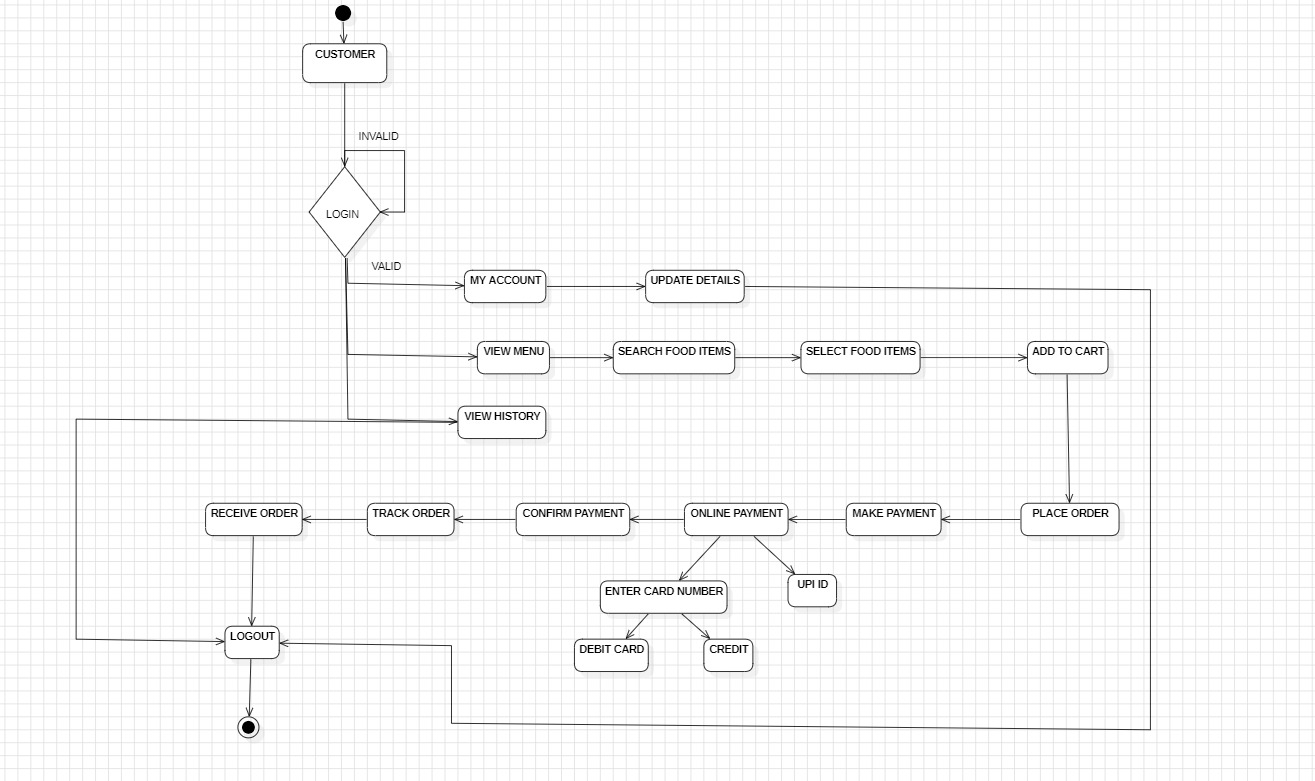
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## Navigation Diagrams

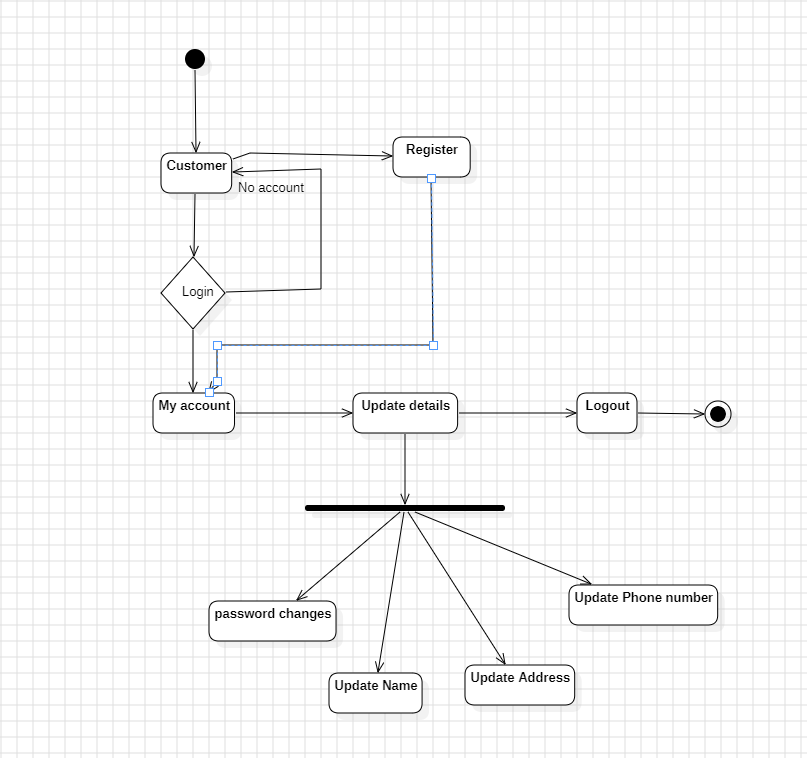
### State chart Diagram for Order



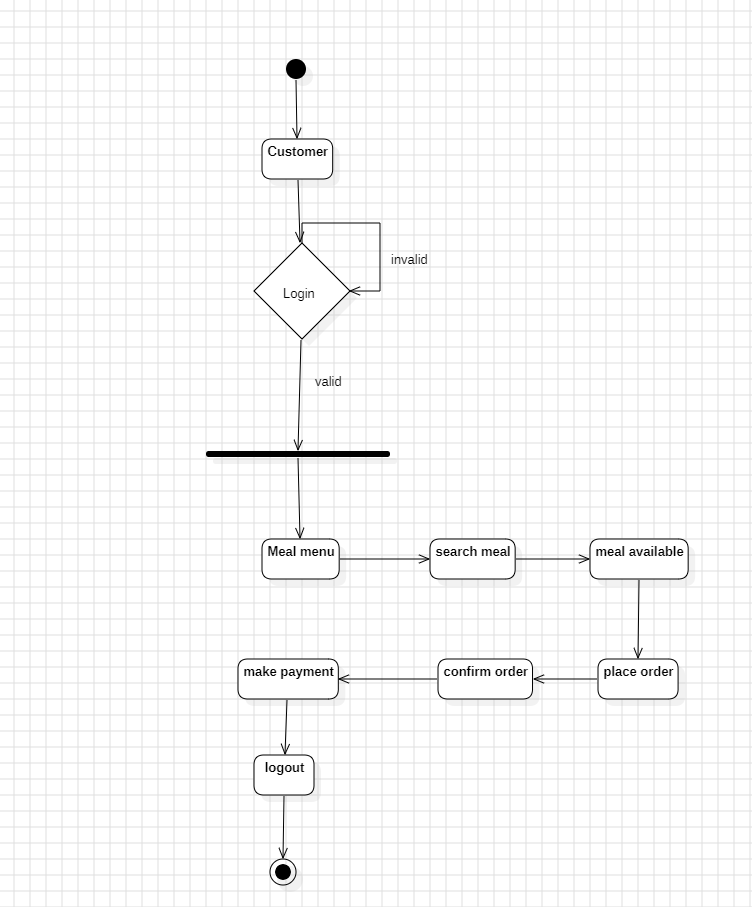
### State chart Diagram for Payment



### State chart Diagram for Order Placement



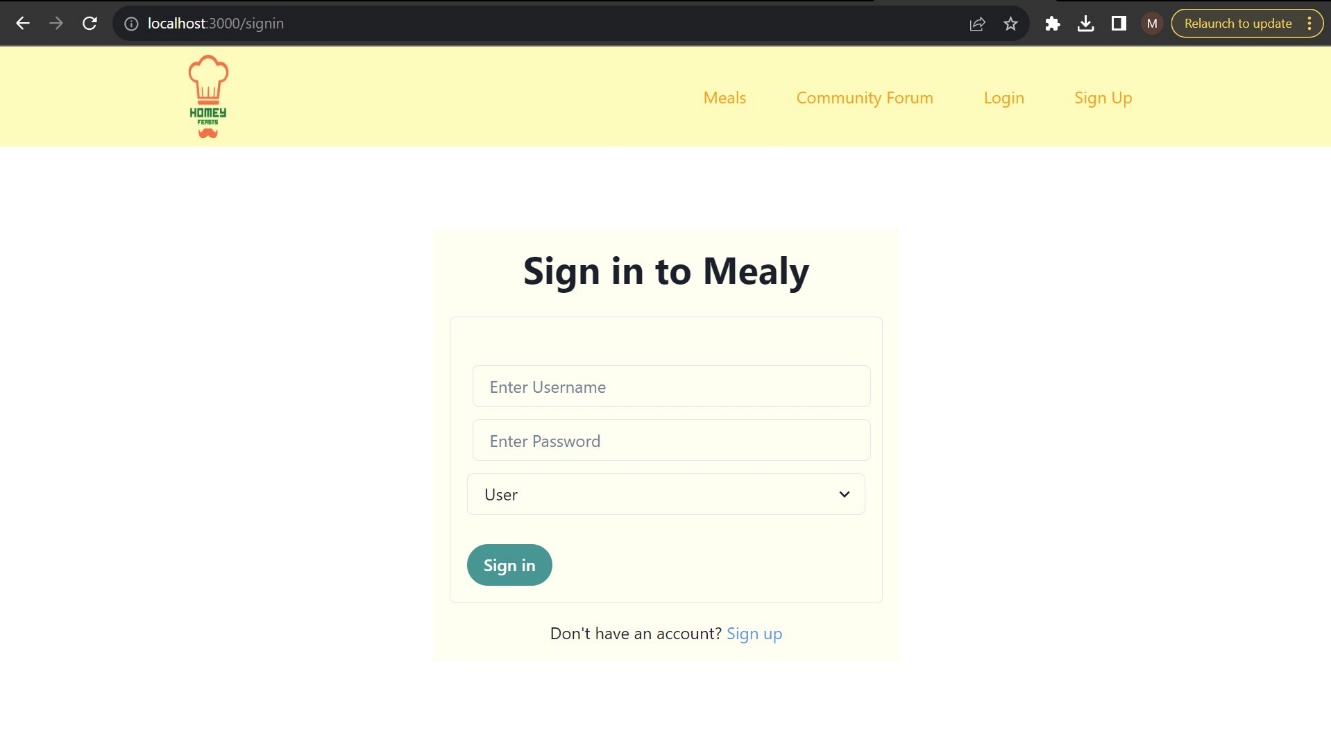
### State chart Diagram for Overall Meal



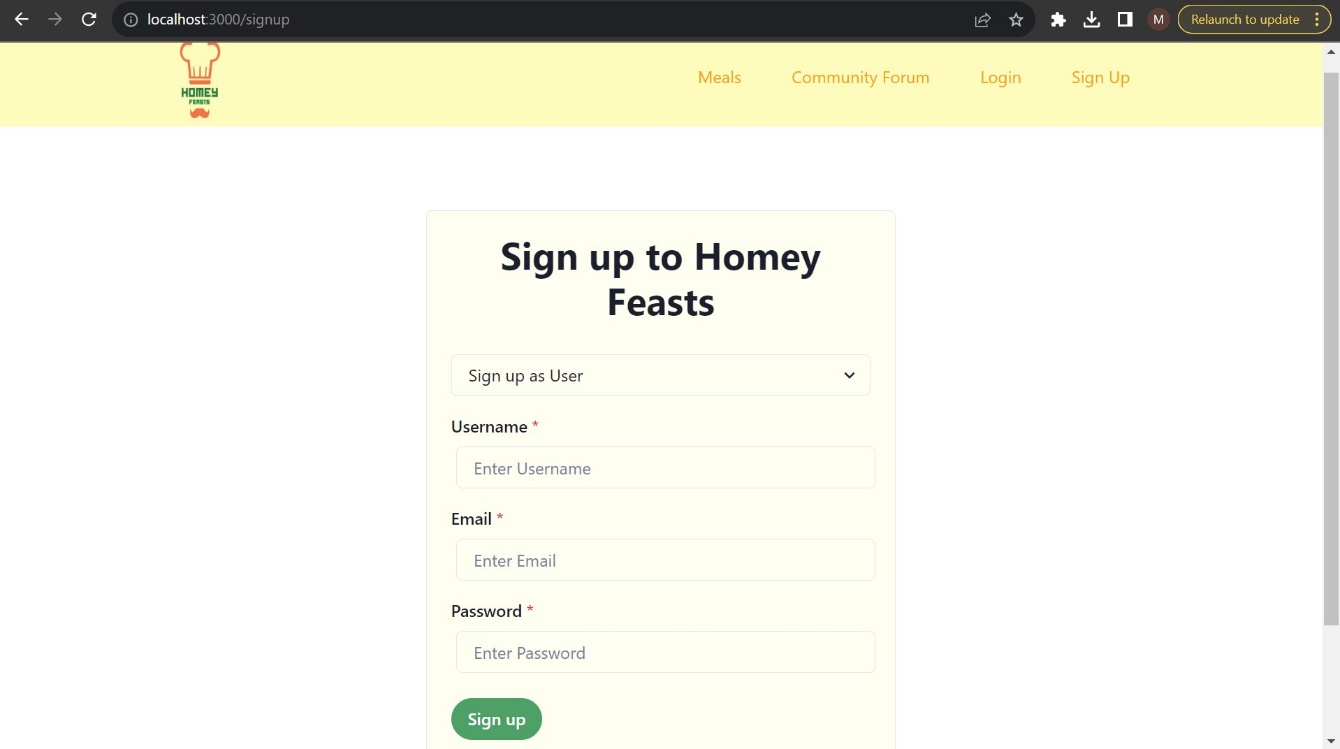
## User Interface Prototype/Output Design

## Screenshots

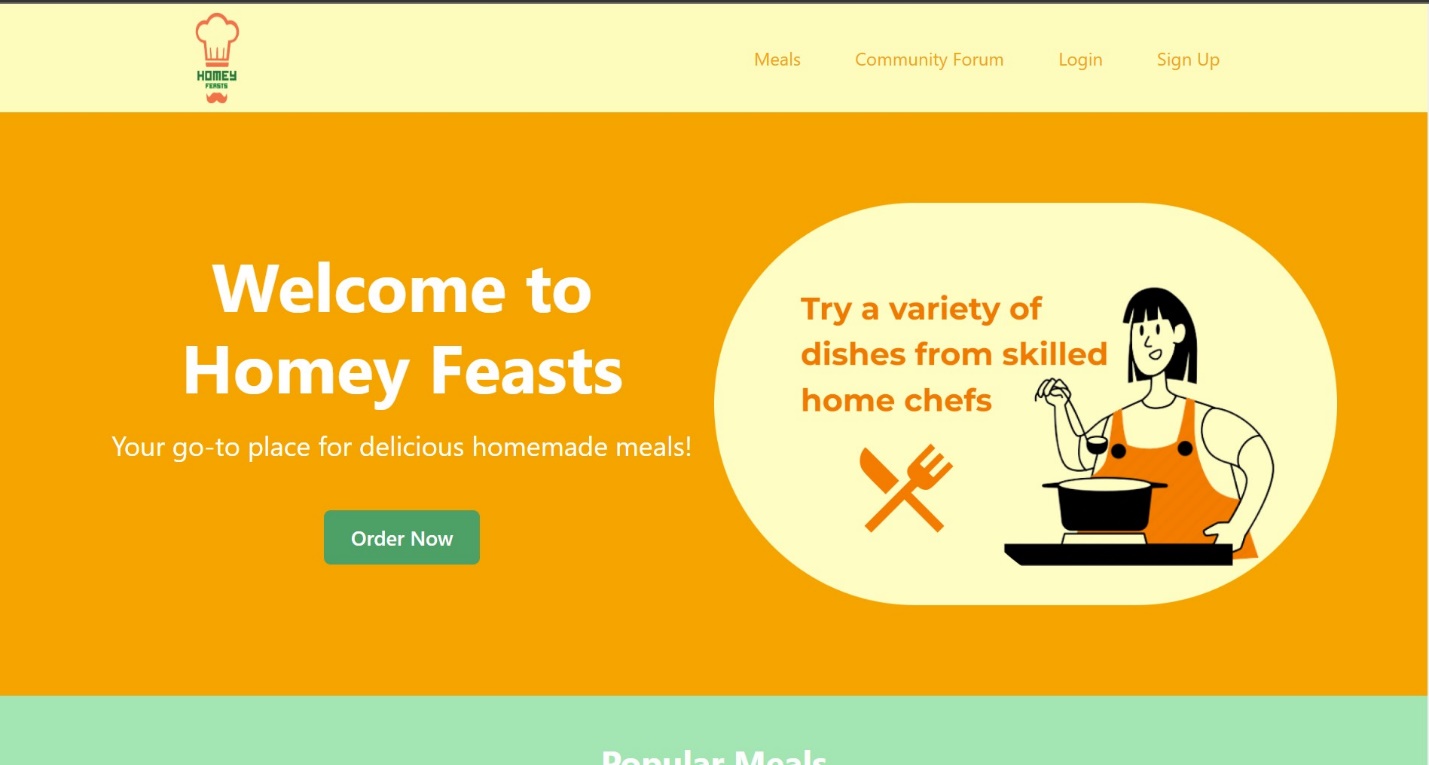
### Sign In

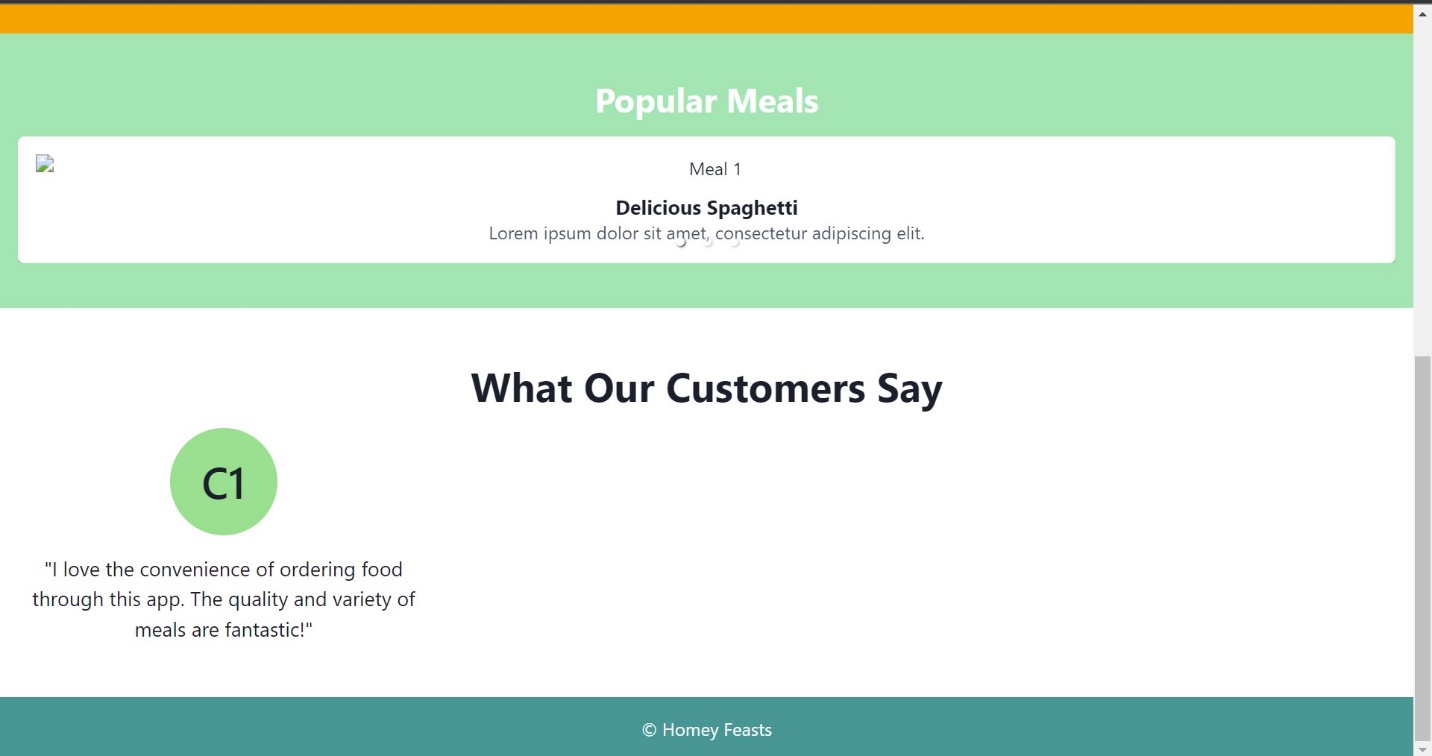


### Sign Up

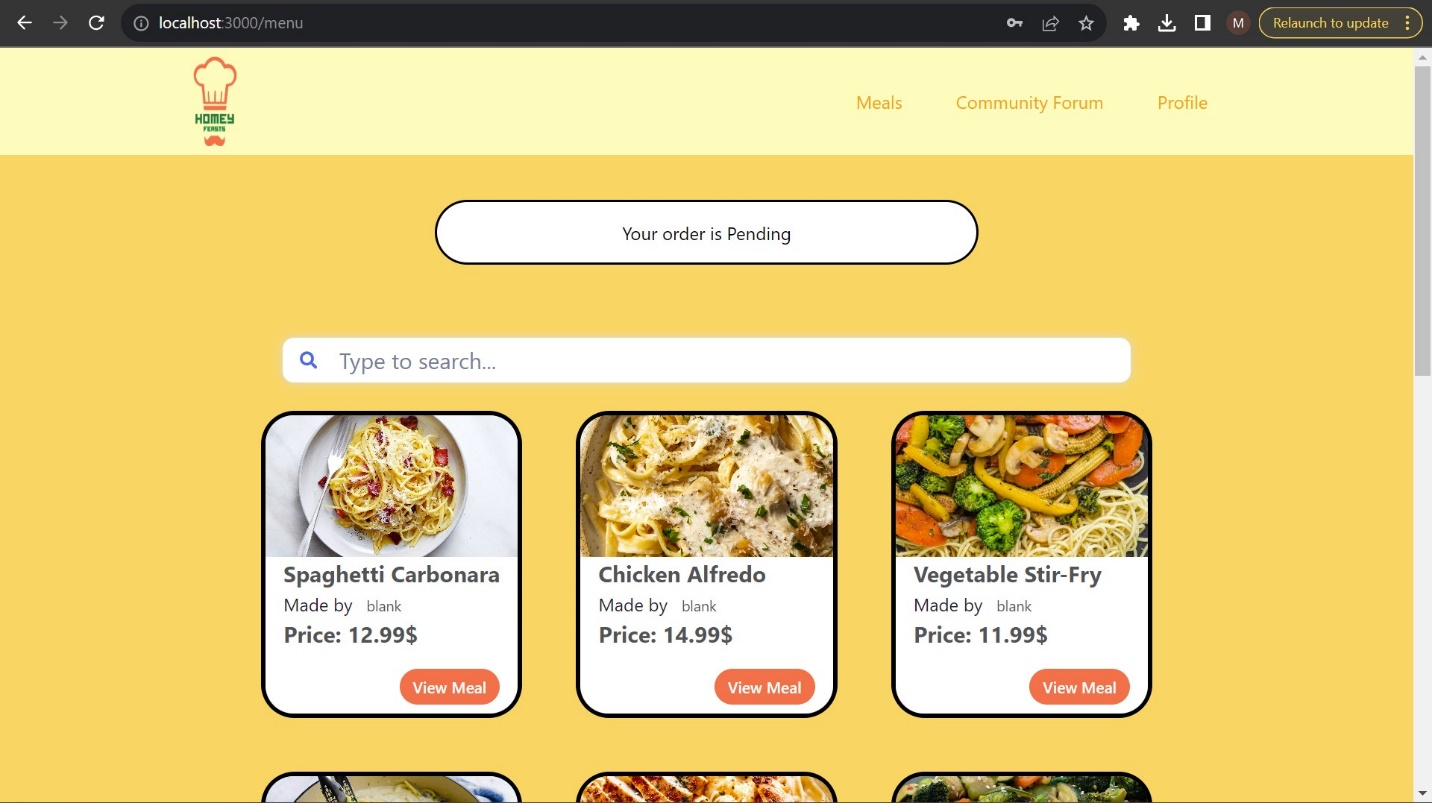


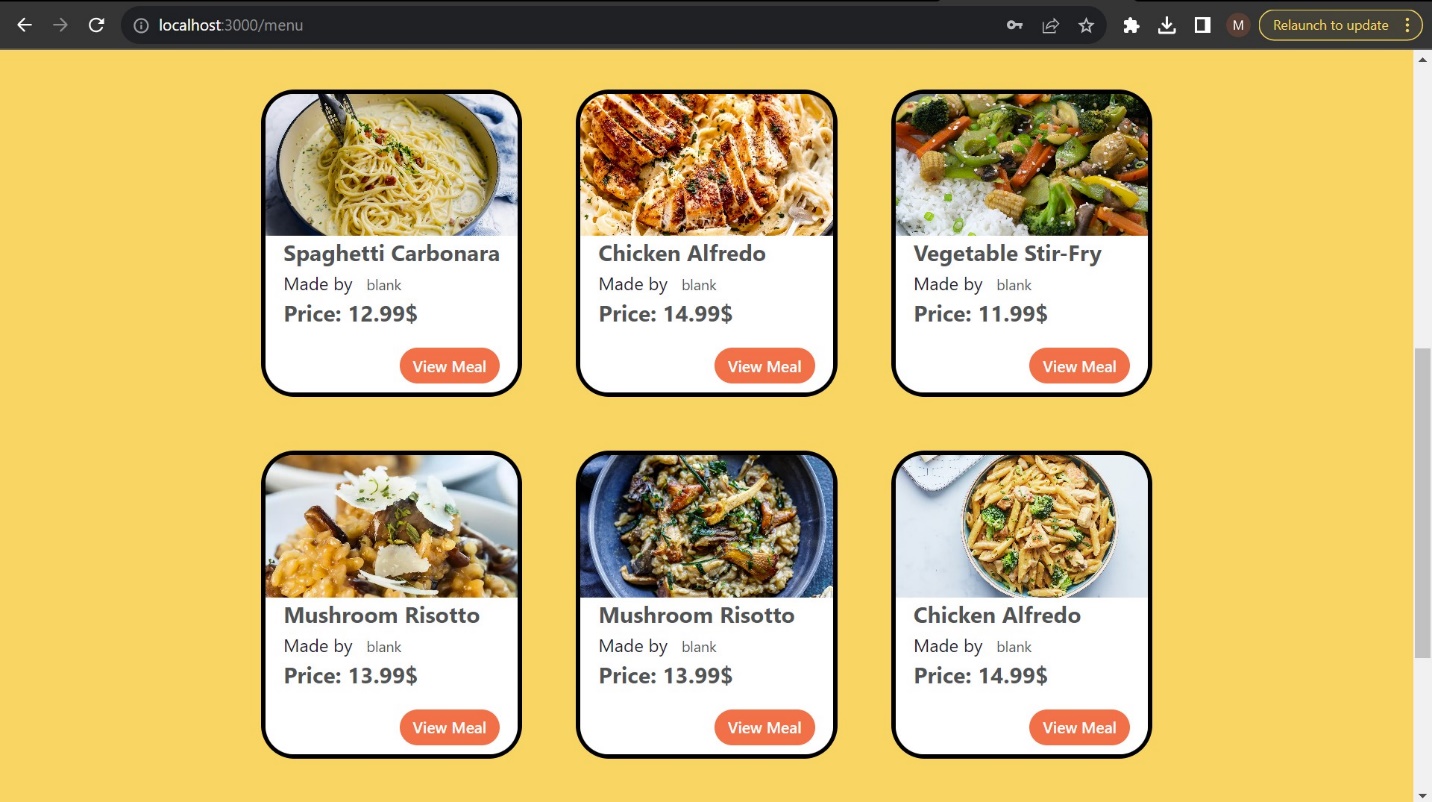
### Home Page



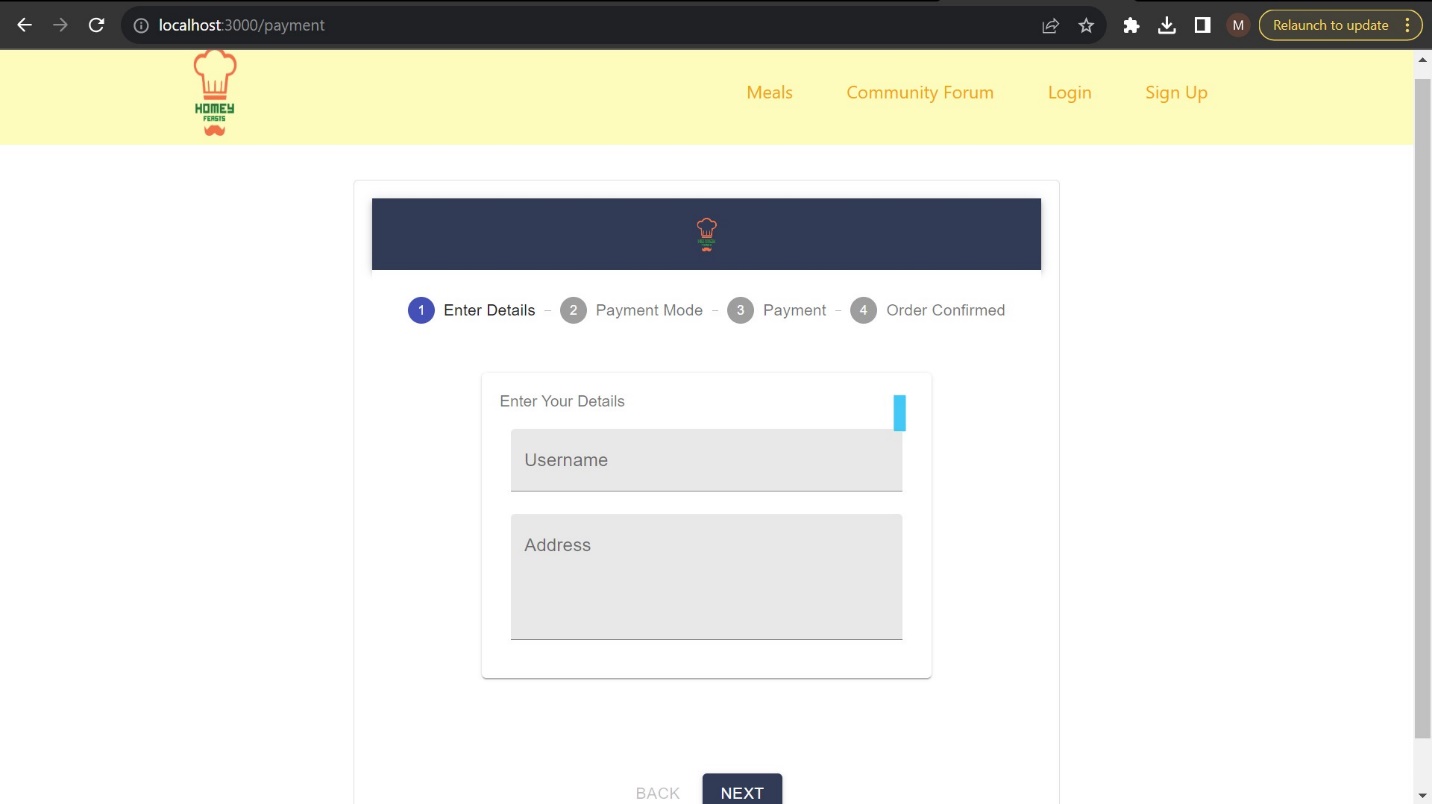


### Menu/Meals

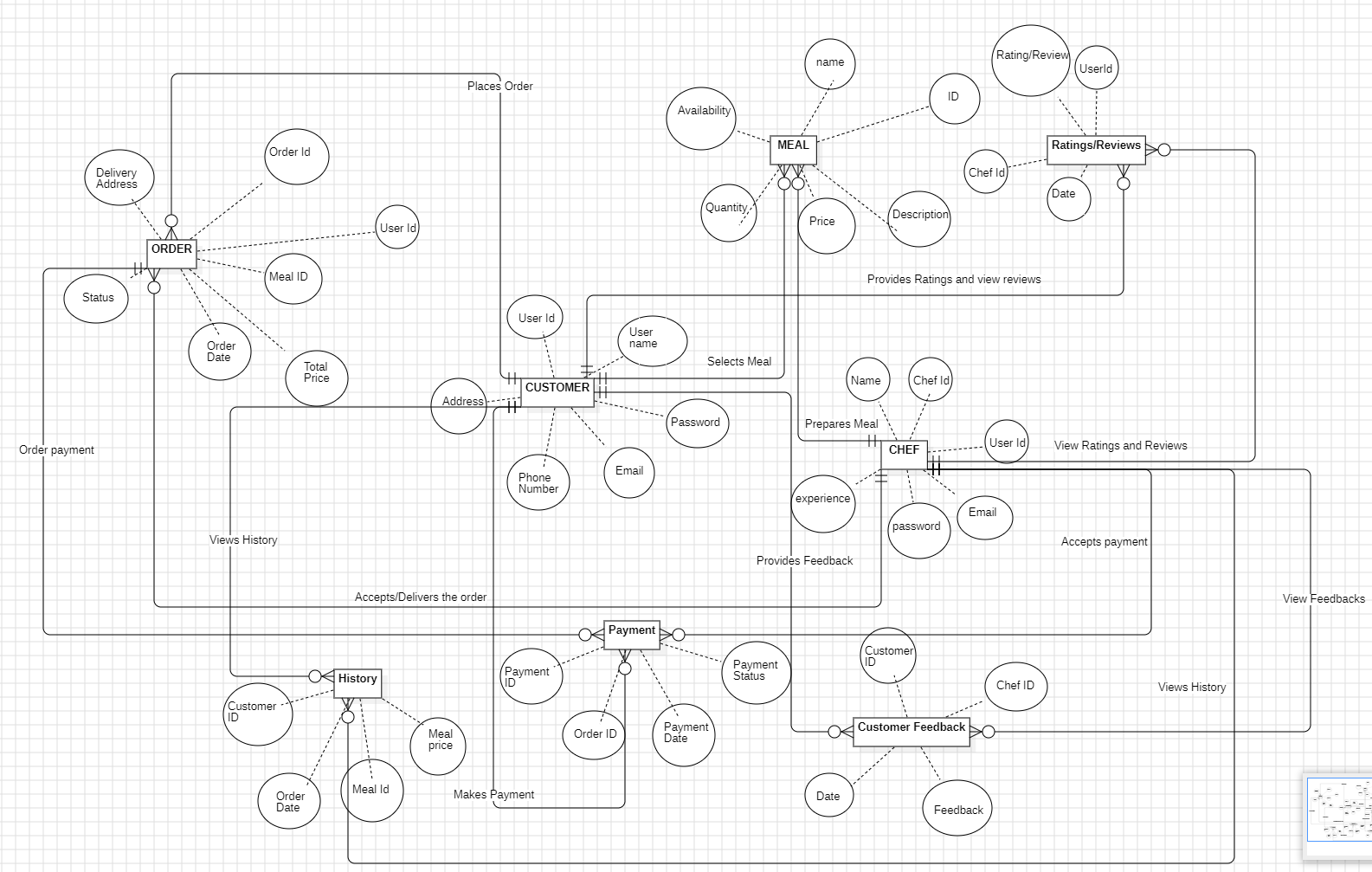




### Payment



## Entity Relationship Diagram



## Unit Test Plan and Results

### Written Test Cases in Manual Testing

**TEST CASE FOR LOGIN/REGISTER PAGE**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Description** | **Expected Output** | **Actual Output** | **Tester Name** | **Date** |
| To validate register details of the user or chef. | To be directed to the home page. | An error message of login unsuccessful | Muhib Mohammed | 04-11-2023 |
| To validate login details of the user. | To be directed to the home page. | Display home page. | Sirajul Hasan Syed | 04-11-2023 |

**TEST CASE FOR HOME PAGE**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Description | Expected Output | Actual Output | Tester Name | Date |
| To check the interface is linked between the home page and Chef/user Profile page. | Redirect to profile page successfully. | Directed to the wrong page. | Muhib Mohammed | 10-11-2023 |
| To check the interface is linked between the home page and Chef/user Profile page. | Redirect to profile page successfully. | Directed successfully. | Sirajul Hasan Syed | 10-11-2023 |

**TEST CASE FOR PROFILE PAGE**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Description | Expected Output | Actual Output | Tester Name | Date |
| To edit profile. | Edit page displayed. | Page not displayed. | Sirajul Hasan Syed | 11-11-2023 |
| To edit profile. | Edit page displayed. | Page displayed successfully and profile is edited successfully. | Muhib Mohammed | 11-11-2023 |

**TEST CASE FOR MENU PAGE**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Description | Expected Output | Actual Output | Tester Name | Date |
| To search meal on menu page | List of meals displayed. | Error meals not found | Sirajul Hasan Syed | 15-11-2023 |
| To search meal on menu page | List of meals displayed. | Page displayed successfully and list of wide appears | Muhib Mohammed | 15-11-2023 |
| Order track and meals status | Notify like meal  order,preparing | Displayed successfully order tracking | Sirajul Hasan Syed | 15-11-2023 |

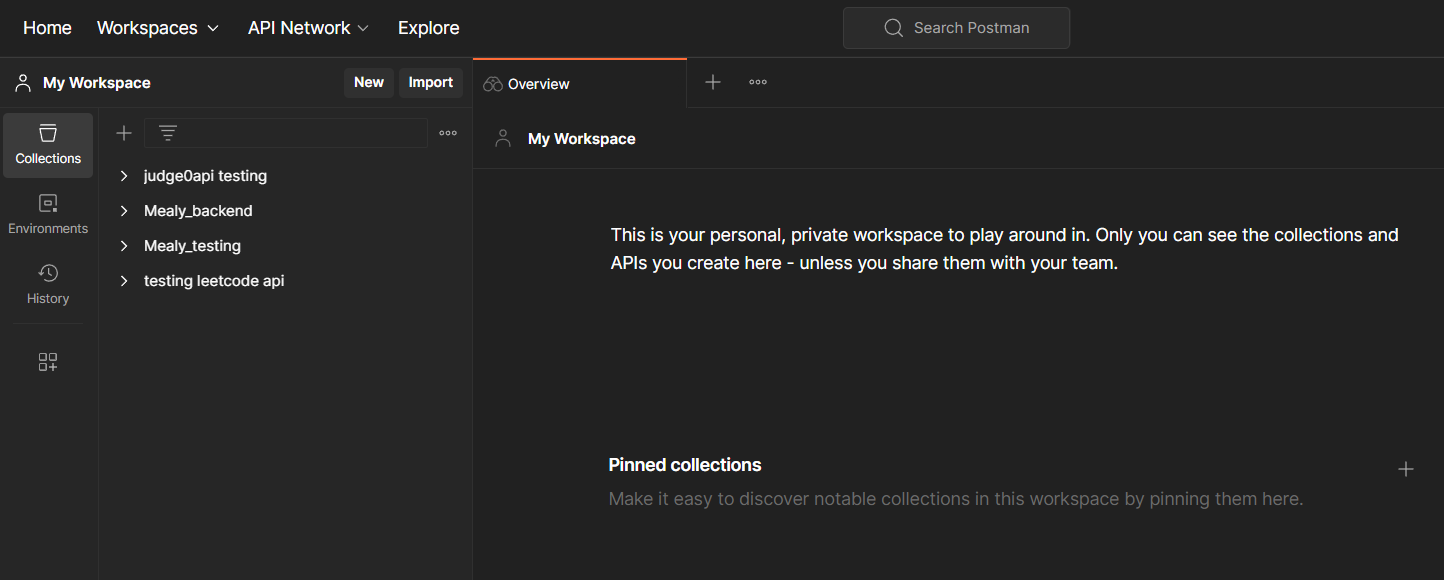
### Automated Testing

**Automated Testing in Homey Feasts Using Postman**

**Overview:**

**- Objective:** Validate Homey Feasts’ API functionality and ensure seamless integration.

**- Tool Used:** Postman for API testing.



**Test Cases:**

   - Login API:

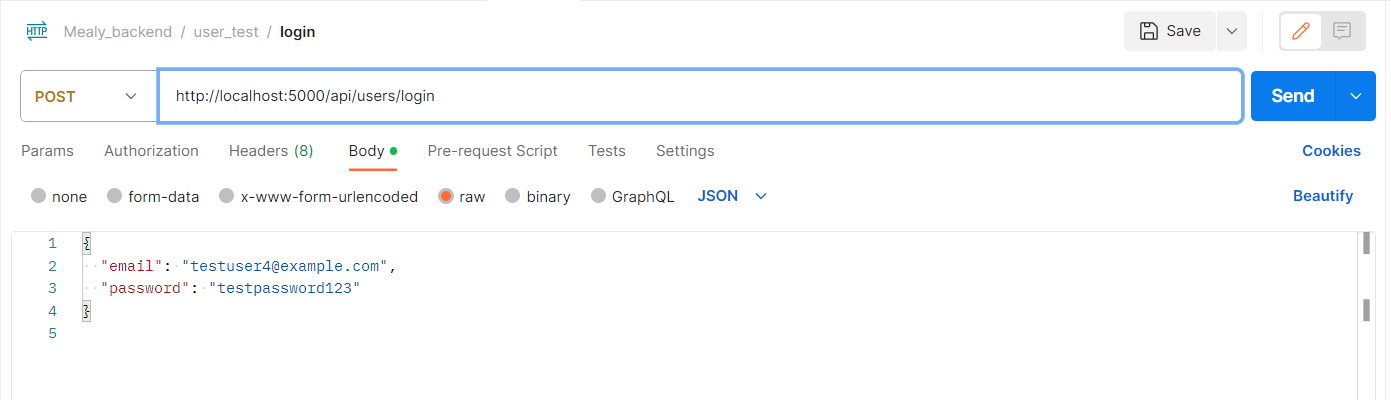
     - Description: Validates the user login functionality.

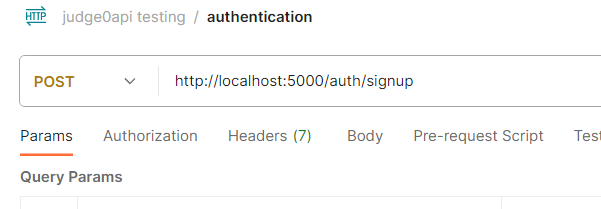
     - Steps:

       1. Send a POST request to the login endpoint with valid user credentials.

       2. Validate the response status code (200 for success).

  3.Check if the response contains the expected data (user details, authentication token).





   - Order Placement API:

     - Description: Ensures a smooth order placement process.

     - Steps:

       1. Send a POST request to the order placement endpoint with sample order data.

       2. Verify that the response status code is as expected.

       3. Confirm the order details in the response match the submitted data.

   - Payment API:

     - Description: Validates the payment processing functionality.

     - Steps:

       1. Send a POST request to the payment endpoint with mock payment data.

       2. Verify the response status code and payment confirmation details.

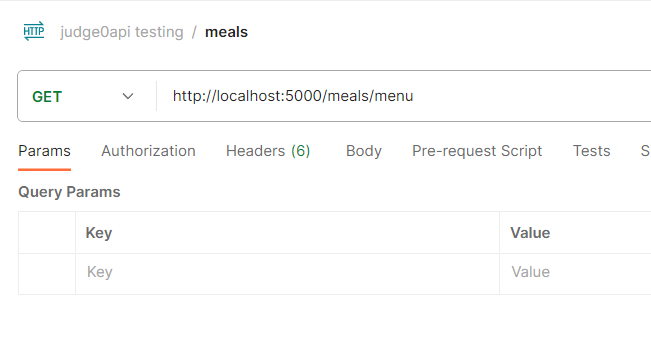
   - Community Interaction API:

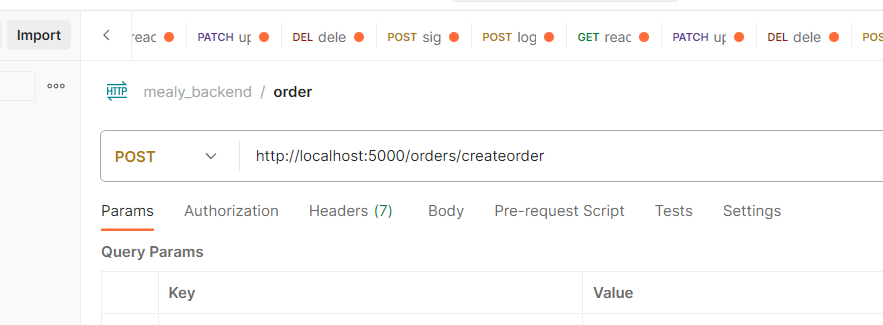
     - Description: Tests interactions with the Mealy community.

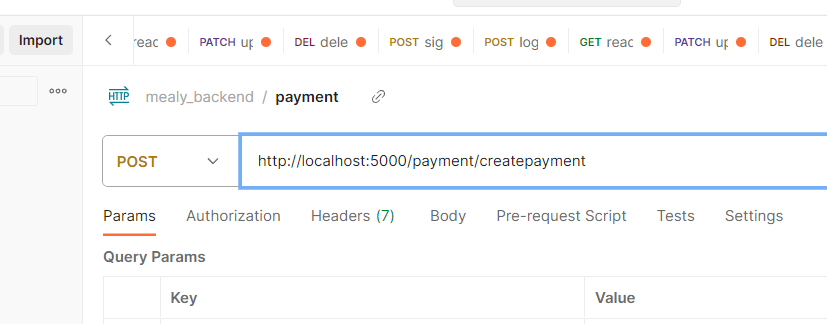
     - Steps:

       1. Send GET and POST requests to the community endpoints.

       2. Validate the response status codes and community data.







**Test Execution:**

   - \*\*Environment Setup:\*\*

     - Define environment variables for different testing environments (development, staging, production).

     - Configure base URLs for each environment.

   - Collections:

     - Create Postman collections for each functional area (Login, Orders, Payments, Community).

The below json data is used to test the routes.  
{

"Username":"blank",

"Password":"1234",

"email":"muhib.mohammed732[@gmail.com](mailto:abdullahbasarvi@gmail.com)",

"experienceLevel":{"$numberInt":"10"}

}

{

"upiPayment":{"InteractID":""},

"paymentDate":12-11-2023

}

{

"title":"SpaghettiCarbonara",

"image":"<https://static01.nyt.com/images/2021/02/14/dining/carbonara-horizontal/carbonara-horizontal-threeByTwoMediumAt2X-v2.jpg>",

"description":"Classic Italian pasta dish with creamy sauce",

"chefName":{"$oid":"652ea18d34d0f045341ce68e"},

"Price":"12.99"

}

   - Test Scripts:

     - Utilize Postman scripts for dynamic testing (e.g., extracting authentication tokens from login responses for subsequent requests).

{

"Username":"user1",

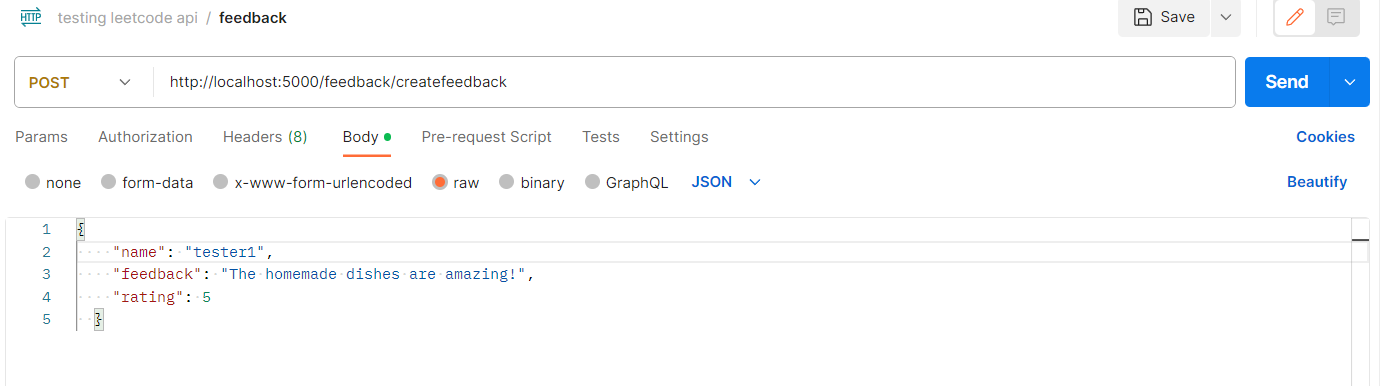
"email":"[user1@test.com](mailto:user1@test.com)",

"Password":"user123”

}

   - Assertions:

     - Include assertions in test scripts to validate expected outcomes.



**Test Reports:**

   - Postman generates detailed test reports for each test run.

   - Reports include information on test cases, request details, response data, and assertion results.

**Continuous Integration:**

   - Integrate Postman tests into the Homey Feasts CI/CD pipeline.

   - Schedule automated test runs after code deployments.

**Maintenance:**

   - Regularly update test scripts to align with changes in the Homey Feasts API.

   - Add new test cases as features are introduced or modified.

**Conclusion:**

   - Postman facilitates comprehensive and efficient automated testing, ensuring the reliability and functionality of Homey Feasts’ API endpoints.

This structure provides a comprehensive guide on how automated testing is organized and executed in Homey Feasts using Postman, covering different functional aspects of the application.