Test Suite

Social Serving Food Delivery System (SSFDS), Group 29 (Likhith Reddy Morreddigari, Shivansh Shukla and Vivek Jaiswal)

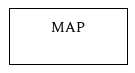
Let the initial Database be this:

| TYPE | EMAIL ID | USERNAME | PASSWORD | IMAGE | LOCATION |
| --- | --- | --- | --- | --- | --- |
| Customer | sewance12@gmail.com | Sewance | Sewance | link1 | Indian Ocean street, Bhopal, MP. |
| NGO | jesuschild@gmail.com | church123 | church | link2 | Church Street, Bhopal, MP. |
| Restaurant | thenewspice@hotmail.com | theNewSpice | newspice | link3 | Trunk lane, Bhopal, MP. |

Restaurant has added food items as :

| NAME | IMAGE | PRICE (ACTUAL PRICE) | AVAILABLE PLATES |
| --- | --- | --- | --- |
| Butter Chicken | itemLink1 | Rs. 120 | 40 |
| Chicken Biryani | itemLink2 | Rs. 120 | 60 |

FRONTEND GUI TESTING:-

1. HOME PAGE:-
   1. It has two tabs each of which redirect to the Register Page and Login Page.
2. REGISTER PAGE:-
   1. It is the common register page for all types of users(types here are Restaurant, NGO and Customer).
   2. It shows a form with fields and options for roles to be filled.
   3. It has a button which registers the user.
   4. If the email is already registered then it will show an appropriate message.
      1. Ex : If a user tries to register with sewance12@gmail.com , he gets an error message.
   5. If the username is already used then it will show an appropriate message.
      1. Ex : If a user tries to register with Sewance , he gets an error message.
   6. Image File is Optional. Any missing field other than Image File is invalid and an appropriate message will be shown to the user.
      1. If users try to press Register filling only Username and Password, then he gets an error message.
   7. For the Correctly filled fields it will show a positive message.
3. LOGIN PAGE:-
   1. It is the common Login Page for all Users.
   2. It shows a form with two fields
      1. Username
      2. Password
   3. If any of the above fields invalid or if the user is not registered then it will show the message ”Invalid Username or Password”.
   4. Example:
      1. Correct Credentials
         1. Input:
            1. Username: Sewance
            2. Password: Sewance
         2. Output: “Welcome Back”
      2. Incorrect Username
         1. Input:
            1. Username: Sewance!!
            2. Password: Sewance
         2. Output: “ Invalid Username or Password”
      3. Incorrect Password
         1. Input:
            1. Username: Sewance
            2. Password: Sewance!!
         2. Output: “ Invalid Username or Password”
4. LOGOUT LINK:-
   1. It will log out the user.
5. NAVBAR:-
   1. If the User is not Logged In then it will render the register link and login link.
   2. If User is Logged In then it will render Restaurant link, Profile Link, and Logout link.
6. PROFILE:-
   1. It will show Name, Location and Role of the User with Profile Image if provided during registration.
   2. It will also show a map with the location of the user marked on it.
   3. Example:
      1. Database:-
         1. Username: Sewance
         2. Location: Bengaluru
         3. Coordinates: Geocoded With the help of Mapbox
         4. Role: Restaurant
         5. Image: Link
      2. Output:
         1. Image
         2. Sewance
         3. Bhopal
         4. Restaurant
7. RESTAURANT:-
   1. It shows all the restaurant as per location of the User
   2. It will also shows button to View Menu for each Restaurant
8. MENU:-
   1. It will show a button to Add Food.
   2. It will show all the food items added by the restaurant with its price and number of plates left and description.
   3. It will also show **edit** and **delete** buttons for the restaurant owner to edit/delete the details of the food.
   4. It will show a required field of Number of Plates with **ADD TO CART** button for the NGOs/Customers. This field should have minimum value 1 and maximum value as the quantity of food remaining(more specifically number of plates left).
9. ADD FOOD:-
   1. It renders a form with some required fields.
   2. If the required fields(like the columns in the database shown above) are not filled then it will show an appropriate message.
   3. If all required fields are filled then it will show positive feedback.
   4. If Input for Price or Number of plates are not Numbers then it will show an appropriate message.
   5. If Input for Price or Number of Plates are zero or negative then it will show an appropriate message.
      1. If the owner tries to add an item whose quantity is -4, then he gets an error.
   6. It has a button to Submit the details of Food item.
   7. After Submitting, It will redirect to the menu of the restaurant with the message “Food item is Added to the Menu”.
   8. Response can be verified in the Menu of the Restaurant.
10. EDIT FOOD:-
    1. It renders form with all the fields already filled with previous value.
    2. If the required fields are not filled then it will show an appropriate message.
    3. If all required fields are filled then it will show positive feedback
    4. If Input for Price or Number of plates are not numbers then it will show an appropriate message.
    5. If Input for Price or Number of Plates are zero or negative then it will show an appropriate message.
    6. It has a button to Submit the details of Food.
    7. After Submitting, It will redirect to the Menu of the Restaurant with the message “Food item is Edited”.
11. DELETE FOOD:-
    1. It will redirect to the Menu of the Restaurant with the Message “Food item is Successfully Deleted”.
    2. It can be verified in the Menu of the Restaurant.
12. ADD TO CART:-
    1. This button will redirect you to the Menu of the Restaurant with the message “Successfully Added To The Cart”.
    2. This can be verified by Seeing the Cart of the User.
13. CART:-
    1. This button will be present in the Navbar for the Customers/NGOs.
    2. It will redirect to the cart page.
    3. This page shows Food items stored in the cart of the Logged In user.
    4. It also shows Edit Button and Remove Button to edit the number of plates of the food item or remove the food item from the cart.
    5. It will also show Button for Pay Order.
    6. Options to Donate To NGO and Self-Pickup Option for Customers.
14. EDIT CART FOOD:-
    1. It will redirect to a form to change the number of plates.
    2. It also shows a Save Changes button which will Save the Number of Plates of the Food item in the Database and redirect to Cart of the User with the message “Successfully Saved Changes”.
15. REMOVE CART FOOD:-
    1. It will Remove the Cart Food from the databases and redirect to Cart of the User with the message “Successfully Remove From The Cart”.
16. PAY ORDER:-
    1. It will redirect to the Payment GateWay Option such as Cash-On Delivery and Online Payment. Then it will Proceed accordingly.
17. DONATE TO NGO:-
    1. It will show all the NGOs with their location and User can select any of them and proceed to pay.
18. SELF-PICKUP:-
    1. It will redirect User to Online Payment GateWay.
19. ADMIN:-
    1. This will redirect User to Dashboard which shows all the users registered in the Website.

BACKEND SERVER TESTING:-

1. REGISTER:-
   1. PRE-CONDITION:- Let the initial Database is given as per the above.
   2. INPUT :- Discussed in FrontEnd GUI Testing
      1. Example Input:-
         1. TYPE: Restaurant
         2. EMAIL: SSFDS@gmail.com
         3. USERNAME: SSFDS
         4. PASSWORD: SSFDS
         5. IMAGE: Link4
         6. LOCATION: Mahanadi Vihar, Cuttack, Odisha
   3. ACTION:- Add the new user to the database and logged them in.
   4. OUTPUT:- Add new user, logged him/her in and redirection to Restaurants pages.
   5. FINAL DATABASE:-

| TYPE | EMAIL ID | USERNAME | PASSWORD | IMAGE | LOCATION |
| --- | --- | --- | --- | --- | --- |
| Customer | sewance12@gmail.com | Sewance | Sewance | link1 | Indian Ocean street, Bhopal, MP. |
| NGO | jesuschild@gmail.com | church123 | church | link2 | Church Street, Bhopal, MP. |
| Restaurant | thenewspice@hotmail.com | theNewSpice | newspice | link3 | Trunk lane, Bhopal, MP. |
| Restaurant | SSFDS@gmail.com | SSFDS | SSFDS | Link4 | Mahanadi Vihar, Cuttack, Odisha |

1. RESTAURANT:
   1. PRE-CONDITION:- Let the initial Database is given as per the above.
   2. INPUT: Click On the Button Restaurants
   3. ACTION: GET All Restaurants as per the User Location
   4. OUTPUT: Send The Data of All Restaurants
2. MENU:-
   1. PRE-CONDITION:- Let the initial Database is given as per the above.
   2. INPUT: Click On the Button View Menu of particular Restaurants
   3. ACTION: GET All Foods in the Menu of the Restaurants
   4. OUTPUT: Send The Data of All Foods in the Menu
3. ADD FOOD:-
   1. PRE-CONDITION:- Let the initial Database is given as per the above.
   2. INPUT: As discussed in the ADD Food in the GUI FrontEnd Section
      1. Example Input:-
         1. NAME: CHICKEN TIKKA
         2. IMAGE: itemLink4
         3. PRICE: 200
         4. AVAILABLE PLATES: 10
   3. ACTION: ADD Food in the Menu of the Restaurant
   4. OUTPUT: ADD Food to the Database and Menu , and redirects to Menu.
   5. DATABASE:-

| NAME | IMAGE | PRICE (ACTUAL PRICE) | AVAILABLE PLATES |
| --- | --- | --- | --- |
| Butter Chicken | itemLink1 | Rs. 120 | 40 |
| Chicken Biryani | itemLink2 | Rs. 120 | 60 |
| Chicken Tikka | itemLink4 | Rs. 200 | 10 |

1. EDIT FOOD:-
   1. PRE-CONDITION:- Let the initial Database is given as per the above.
   2. INPUT: As discussed in the EDIT Food in the GUI FrontEnd Section
      1. Example Input:-
         1. NAME: CHICKEN TIKKA
         2. IMAGE: itemLink5
         3. PRICE: 250
         4. AVAILABLE PLATES: 20
   3. ACTION: EDIT Food in the Menu of the Restaurant
   4. OUTPUT: EDIT Food to the Database and Menu , and redirects to Menu.
   5. DATABASE:-

| NAME | IMAGE | PRICE (ACTUAL PRICE) | AVAILABLE PLATES |
| --- | --- | --- | --- |
| Butter Chicken | itemLink1 | Rs. 120 | 40 |
| Chicken Biryani | itemLink2 | Rs. 120 | 60 |
| Chicken Tikka | itemLink5 | Rs. 250 | 20 |

1. DELETE FOOD:-
   1. PRE-CONDITION:- Let the initial Database is given as per the above.
   2. INPUT: On Clicking Delete Button
   3. ACTION: DELETE Food in the Menu of the Restaurant
   4. OUTPUT: DELETE Food to the Database and Menu , and redirects to Menu.
   5. DATABASE:-

| NAME | IMAGE | PRICE (ACTUAL PRICE) | AVAILABLE PLATES |
| --- | --- | --- | --- |
| Butter Chicken | itemLink1 | Rs. 120 | 40 |
| Chicken Biryani | itemLink2 | Rs. 120 | 60 |

1. ADD TO CART:-
   1. PRE-CONDITION:- Let the initial Database is given as per the above.
   2. INPUT:Number Of Plates
   3. ACTION: Add Food to the Cart of the User
   4. OUTPUT: Add Food to the Database and Cart, and redirects to Menu.
2. CART:-
   1. PRE-CONDITION:- Let the initial Database is given as per the above.
   2. INPUT: Click On the Button Cart
   3. ACTION: GET All Foods in the Cart
   4. OUTPUT: Send The Data of All Food in the Cart
3. EDIT CART FOOD:-
   1. PRE-CONDITION:- Let the initial Database is given as per the above.
   2. INPUT: Number Of Plates
   3. ACTION: Edit Food to the Cart of the User
   4. OUTPUT: Edit Food to the Database and Cart, and redirects to cart.
4. REMOVE CART FOOD:-
   1. PRE-CONDITION:- Let the initial Database is given as per the above.
   2. INPUT: On Clicking Delete Button
   3. ACTION: DELETE Food in the Cartof the USer
   4. OUTPUT: DELETE Food to the Database and Cart, and redirects to Cart.