INSERT COVER PAGE

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# Testing brief.

Functional Testing was conducted for the following elements:

1. Navigation bar.
2. Footer.
3. Landing page/Homepage.
4. Menu page.
5. About us page.
6. Staff sign in/ sign out.
7. Add new dish.
8. Remove dish.
9. Update the menu.

# Test cases.

Table 1 Navigation bar testing

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Test ID | Test Case | Action | Expected result | Actual result | Evidence | Passed Y/N |
| 1.1 | Navigation bar ( Not Authorized access) - Displays | http://localhost:3000/ | Navigation bar displays only Home, Menu, and About us. | The same as expected result. | Look at Figure 1 Navigation bar (Not Authorized access) | Y |
| 1.2 | Navigation bar (Authorized access) - Displays | http://localhost:3000/ | Navigation bar displays Home, Menu, About us, Add dish, Remove dish, Update the menu, and Sign out. | The same as expected result. | Look at Figure 2 Navigation bar (Authorized access) | Y |
| 1.3 | Navigation bar - Home | Click “Home”. | Homepage loads. | The same as expected result. |  |  |
| 1.4 | Navigation bar – Menu | Click “Menu”. | Menu page loads. | The same as expected result. |  |  |
| 1.5 | Navigation bar – About | Click “About”. | About page loads. | The same as expected result. |  |  |
| 1.6 | Navigation bar (Authorized access) – Add dish | Click “Add dish” as an authorized user. | Add new dish page loads. | The same as expected result. |  |  |
| 1.7 | Navigation bar (Authorized access) – Remove dish | Click “Remove dish” as an authorized user. | Remove dish page loads. | The same as expected result. |  |  |
| 1.8 | Navigation bar (Authorized access) – Update the menu | Click “Update the menu” as an authorized user. | Update the menu page loads. | The same as expected result. |  |  |
| 1.9 | Navigation bar (Authorized access) – Sign out | Click “Sign out” as an authorized user. | Homepage loads and user is signed out. Therefore, loses authorized access. | The same as expected result. |  |  |

Graphical user interface, text, application, chat or text message, website

Description automatically generated

Figure Navigation bar (Not Authorized access)

Graphical user interface, text, application, website

Description automatically generated

Figure Navigation bar (Authorized access)

Table 2 Footer testing

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Test ID | Test Case | Action | Expected result | Actual result | Evidence | Passed Y/N |
| 2.1 | Footer - Displays | http://localhost:3000/ | Footer is being displayed. | The same as expected result. |  |  |
| 2.2 | Footer (Navigation) - Home | Click “Home”. | Homepage loads. | The same as expected result. |  |  |
| 2.3 | Footer (Navigation) - Menu | Click “Menu”. | Menu page loads. | The same as expected result. |  |  |
| 2.4 | Footer (Navigation) – About us | Click “About us”. | About us page loads. | The same as expected result. |  |  |
| 2.5 | Footer (Navigation) - Staff | Click “Staff”. | Staff sign in page loads. | The same as expected result. |  |  |

Table 3 Landing page/Homepage testing

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Test ID | Test Case | Action | Expected result | Actual result | Evidence | Passed Y/N |
| 3.1 | Landing page/Homepage - Displays | http://localhost:3000/ | Landing page loads and displays working carousel with images, Check our menu card, and Welcome to restaurant element. | The same as expected result. |  |  |
| 3.2 | Landing page/Homepage – Menu button | Click “Menu” button on the Check our menu card. | Menu page loads. | The same as expected result. |  |  |

Table 4 Menu page testing

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Test ID | Test Case | Action | Expected result | Actual result | Evidence | Passed Y/N |
| 4.1 | Menu page - Displays | Click “Menu” on the navigation bar or go to http://localhost:3000/menu. | Menu page displays two cards that represent Lunch and Dinner menus. | The same as expected result. |  |  |
| 4.2 | Menu page – Open Lunch menu button | Click “Open Lunch menu” button. | Lunch menu page loads and displays Go back button and four cards that represent Lunch Specials, Sandwiches, Salads, and Beverages. | The same as expected result. |  |  |
| 4.3 | Menu page (lunch) – Go back button | Click “Go back” button. | Menu page loads. | The same as expected result. |  |  |
| 4.4 | Menu page (lunch) – Lunch specials card | Click “Lunch specials” link. | Lunch specials page loads and displays Go back button along with a table with available dishes. Provides information like dish name, description, ingredients, allergens, and price. | The same as expected result. |  |  |
| 4.5 | Menu page (lunch) – Lunch specials page Go back button | Click “Go back” button. | Lunch menu page loads. | The same as expected result. |  |  |
| 4.6 | Menu page (lunch) – Sandwiches card | Click “Sandwiches” link. | Sandwiches page loads and displays Go back button along with a table with available dishes. Provides information like dish name, description, ingredients, allergens, and price. | The same as expected result. |  |  |
| 4.7 | Menu page (lunch) – Sandwiches page Go back button | Click “Go back” button. | Lunch menu page loads. | The same as expected result. |  |  |
| 4.8 | Menu page (lunch) – Salad’s card | Click “Salads” link. | Salad’s page loads and displays Go back button along with a table with available dishes. Provides information like dish name, description, ingredients, allergens, and price. | The same as expected result. |  |  |
| 4.9 | Menu page (lunch) –Salad’s page Go back button | Click “Go back” button. | Lunch menu page loads. | The same as expected result. |  |  |
| 4.10 | Menu page (lunch) – Beverage’s card | Click “Beverages” link. | Beverage’s page loads and displays Go back button along with a table with available dishes. Provides information like dish name, description, ingredients, allergens, and price. | The same as expected result. |  |  |
| 4.11 | Menu page (lunch) – Beverage’s page Go back button | Click “Go back” button. | Lunch menu page loads. | The same as expected result. |  |  |
| 4.12 | Menu page – Open Dinner menu button | Click “Open Dinner menu” button. | Dinner menu page loads and displays Go back button and five cards that represent Appetizers, Sides, Main Course, Desserts, and Beverages. | The same as expected result. |  |  |
| 4.13 | Menu page (dinner) – Appetizers card | Click “Appetizers” link. | Appetizers page loads and displays Go back button along with a table with available dishes. Provides information like dish name, description, ingredients, allergens, and price. | The same as expected result. |  |  |
| 4.14 | Menu page (dinner) – Appetizers page Go back button | Click “Go back” button. | Menu page loads. | The same as expected result. |  |  |
| 4.15 | Menu page (dinner) – Sides card | Click “Sides” link. | Sides page loads and displays Go back button along with a table with available dishes. Provides information like dish name, description, ingredients, allergens, and price. | The same as expected result. |  |  |
| 4.15 | Menu page (dinner) – Sides page Go back button | Click “Go back” button. | Menu page loads. | The same as expected result. |  |  |
| 4.16 | Menu page (dinner) – Main Course card | Click “Main Course” link. | Main Course page loads and displays Go back button along with a table with available dishes. Provides information like dish name, description, ingredients, allergens, and price. | The same as expected result. |  |  |
| 4.17 | Menu page (dinner) – Main Course page Go back button | Click “Go back” button. | Menu page loads. | The same as expected result. |  |  |
| 4.18 | Menu page (dinner) – Dessert’s card | Click “Desserts” link. | Dessert’s page loads and displays Go back button along with a table with available dishes. Provides information like dish name, description, ingredients, allergens, and price. | The same as expected result. |  |  |
| 4.19 | Menu page (dinner) – Dessert’s page Go back button | Click “Go back” button. | Menu page loads. | The same as expected result. |  |  |
| 4.20 | Menu page (dinner) – Beverage’s card | Click “Beverages” link. | Beverage’s page loads and displays Go back button along with a table with available dishes. Provides information like dish name, description, ingredients, allergens, and price. | The same as expected result. |  |  |
| 4.21 | Menu page (dinner) – Appetizers page Go back button | Click “Go back” button. | Menu page loads. | The same as expected result. |  |  |

Table 5 About us page testing

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Test ID | Test Case | Action | Expected result | Actual result | Evidence | Passed Y/N |
| 5.1 | About us page - Displays | Click “About us” on the navigation bar or go to http://localhost:3000/about\_us. | About us page displays Welcome to restaurant elements along with two cards that provide philosophy of the restaurant and contact details. | The same as expected result. |  |  |

Table 6 Staff sign in page testing

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Test ID | Test Case | Action | Expected result | Actual result | Evidence | Passed Y/N |
| 6.1 | Staff sign in page – Empty form submitted | Click on “Staff” link located in the footer or navigate to http://localhost:3000/staff\_login and submit an empty form by clicking on “Sign in” button. | Upon submitting an empty form user should be presented with following instructions: “Please provide a username.” and “Please provide a password”. | The same as expected result. |  |  |
| 6.2 | Staff sign in page – User not found | Attempt to sign in using “Peter” as username and “Peter123” as a password. | Upon submitting a filled in form with data that is not in the database, user will be redirected to the staff sign in page and console will display “user Peter not found”. | The same as expected result. |  |  |
| 6.3 | Staff sign in page – Password not matching | Attempt to sign in using “staff” as username and “Peter123” as a password. | Upon submitting a filled in form with password that does not match with data stored in the database, user will be redirected to the staff sign in page and console will display “password not matching”. | The same as expected result. |  |  |
| 6.4 | Staff sign in page – Successful | Attempt to sign in using “staff” as username and “staff123” as a password. | Upon submitting a filled in form with data that does match with data stored in the database, user will be redirected to the Homepage and will gain authorization to access pages not available for regular users. | The same as expected result. |  |  |
| 6.5 | Staff sign out | Click “Sign out” as an authorized user. | Homepage loads and user is signed out. Therefore, loses authorized access. | The same as expected result. |  |  |

Table 7 Add new dish page testing

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Test ID | Test Case | Action | Expected result | Actual result | Evidence | Passed Y/N |
| 7.1 | Add new dish page - Displays | Click on “Add dish” link located in the navigation bar or navigate to http://localhost:3000/ staff\_new\_dish. | Add new dish page displays a form that allows to insert new dish into a database. | The same as expected result. |  |  |
| 7.2 | Add new dish page – Empty form submitted | Submit an empty form by clicking on “Add new dish” button. | Upon submitting an empty form user should be presented with following instructions: “Please provide a dish name”, “Please provide dish description” etc. | The same as expected result. |  |  |
| 7.3 | Add new dish page – Dish exists in the database | Attempt to add a new dish with name “Lentil soup” along with other information. Choose Lunch Menu and Lunch Specials, then submit the form by clicking on a “Add new dish” button. | Upon submitting “Lentil soup” dish user should be redirected to the Add new dish page and console should display “Error inserting document Lentil soup”. | The same as expected result. |  |  |
| 7.4 | Add new dish page - Successful | Attempt to add a new dish with name “Scrambled eggs” along with other information and submit the form by clicking on a “Add new dish” button. | Upon submitting “Scrambled eggs” dish user should be redirected to the Add new dish page and the dish will be inserted into the chosen database. | The same as expected result. |  |  |

Table 8 Remove dish page testing

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Test ID | Test Case | Action | Expected result | Actual result | Evidence | Passed Y/N |
| 8.1 | Remove dish page - Displays | Click on “Remove dish” link located in the navigation bar or navigate to http://localhost:3000/staff\_edit\_menu\_remove. | Remove dish page displays two cards that represent Lunch and Dinner menus. | The same as expected result. |  |  |
| 8.2 | Remove dish page – Remove Lunch Menu dishes button | Click on “Remove Lunch Menu dishes” button. | Remove Lunch Menu page loads and displays Go back button along with a form and a table with all dishes. Table provides information like dish name, category, and availability. | The same as expected result. |  |  |
| 8.3 | Remove dish page (lunch) – Go back button | Click on “Go back” button. | Remove dish page loads. | The same as expected result. |  |  |
| 8.4 | Remove dish page (lunch) – Empty form submitted | Attempt to submit an empty form. | Upon submitting an empty form user should be presented with following instructions: “Please provide dish name”. | The same as expected result. |  |  |
| 8.5 | Remove dish page (lunch) - Successful | Copy name of a dish presented in the table below and paste it into the form’s input box, then click on the “Remove dish” button. | Upon submitting dish name user should be redirected to updated page that has the user input dish removed. Additionally, inputted dish is removed from the database. | The same as expected result. |  |  |
| 8.6 | Remove dish page – Remove Dinner Menu dishes button | Click on “Remove Dinner Menu dishes” button. | Remove Dinner Menu page loads and displays Go back button along with a form and a table with all dishes. Table provides information like dish name, category, and availability. | The same as expected result. |  |  |
| 8.7 | Remove dish page (dinner) – Go back button | Click on “Go back” button. | Remove dish page loads. | The same as expected result. |  |  |
| 8.8 | Remove dish page (dinner) – Empty form submitted | Attempt to submit an empty form by clicking on the “Remove dish” button. | Upon submitting an empty form user should be presented with following instructions: “Please provide dish name”. | The same as expected result. |  |  |
| 8.9 | Remove dish page (dinner) - Successful | Copy name of a dish presented in the table below and paste it into the form’s input box, then click on the “Remove dish” button. | Upon submitting dish name user should be redirected to updated page that has the user input dish removed. Additionally, inputted dish is removed from the database. | The same as expected result. |  |  |

Table 9 Update the menu page testing

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Test ID | Test Case | Action | Expected result | Actual result | Evidence | Passed Y/N |
| 9.1 | Update the menu page - Displays | Click on “Update menu” link located in the navigation bar or navigate to http://localhost:3000/staff\_edit\_menu\_update. | Edit the menu page displays two cards that represent Lunch and Dinner menus. | The same as expected result. |  |  |
| 9.2 | Update the menu page – Update Lunch Menu dishes button | Click on “Update Lunch Menu dishes” button. | Update Lunch Menu dish page loads and displays Go back button along with a form and a table with all dishes. Table provides information like dish name, category, and availability. | The same as expected result. |  |  |
| 9.3 | Update the menu page (lunch) - Go back button | Click on “Go back” button. | Update the menu page loads. | The same as expected result. |  |  |
| 9.4 | Update the menu page (lunch) – Empty form submitted (choose dish form) | Attempt to submit an empty form by clicking on “Edit dish” button. | Upon submitting an empty form user should be presented with following instructions: “Please provide dish name”. | The same as expected result. |  |  |
| 9.5 | Update the menu page (lunch) – Successful (choose dish form) | Copy name of a dish presented in the table below and paste it into the form’s input box, then click on the “Remove dish” button. | Upon submitting dish name user should be presented with a new form that is filled in with data retrieved from the database. | The same as expected result. |  |  |
| 9.6 | Update the menu page (lunch) – Successful (edit chosen dish form) | Edit form input boxes and submit the changes by clicking on “Update dish” button. | Upon submitting edited dish form user is redirected to the Edit Lunch Menu dish page, where recently edited dish is updated. Additionally, changes are reflected in the database. | The same as expected result. |  |  |
| 9.7 | Update the menu page – Update Dinner Menu dishes button | Click on “Update Dinner Menu dishes” button. | Update Dinner Menu dish page loads and displays Go back button along with a form and a table with all dishes. Table provides information like dish name, category, and availability. | The same as expected result. |  |  |
| 9.8 | Update the menu page (dinner) - Go back button | Click on “Go back” button. | Update the menu page loads. | The same as expected result. |  |  |
| 9.9 | Update the menu page (dinner) – Empty form submitted (choose dish form) | Attempt to submit an empty form by clicking on “Edit dish” button. | Upon submitting an empty form user should be presented with following instructions: “Please provide dish name”. | The same as expected result. |  |  |
| 9.10 | Update the menu page (dinner) – Successful (choose dish form) | Copy name of a dish presented in the table below and paste it into the form’s input box, then click on the “Remove dish” button. | Upon submitting dish name user should be presented with a new form that is filled in with data retrieved from the database. | The same as expected result. |  |  |
| 9.11 | Update the menu page (dinner) – Successful (edit chosen dish form) | Edit form input boxes and submit the changes by clicking on “Update dish” button. | Upon submitting edited dish form user is redirected to the Edit Dinner Menu dish page, where recently edited dish is updated. Additionally, changes are reflected in the database. | The same as expected result. |  |  |

# Summary of test results.