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**Web Application Development 2 - M3I326794**

**Testing Report**

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**“Except where explicitly stated, all work in this report, is my own original work and has not been submitted elsewhere in fulfilment of the requirement of this or any other award”**

**Signed by Student:\_\_\_\_Tom Hope\_\_\_\_\_ Date: \_07.05.2022\_\_\_**

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# **Testing Scope**

Testing was carried out for the following modules on this website:

1. Landing Page/about
2. Contact Page
3. Menu Page
4. Check Lunch Menu
5. Check Chef Menu
6. Check Dinner Menu
7. Register
8. Login
9. Add new Menu item
10. Remove Menu item
11. Update Menu Item
12. User Tries to access Pages that are behind sign in
13. User enters an invalid URL path

# **Test Cases**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Test ID** | **Action** | **Expected Outcome** | **Status** | **Evidence** |
| 1.1 | Localhost:3000 | Landing Page loads | OK |  |
| 1.2 | localhost:3000/about | Landing Page loads | OK |  |
| 1.3 | localhost:3000/about | All formatting is present, background image, navigation bar, restaurant name and page title. | OK |  |
| 1.4 | Localhost:3000 | All formatting is present, background image, navigation bar, restaurant name and page title. | OK |  |
| 1.5 | Press Menu button on Navigation Bar | Land on Menu Page: localhost:3000/Menu | OK |  |
| 1.6 | Press about Us button on Navigation Bar | Land on About Page: localhost:3000/ | OK |  |
| 1.7 | Press Contact Us button on Navigation Bar | Land on Contact Page: localhost:3000/contact | OK |  |
| 2.1 | http://localhost:3000/contact | Contact Us page loads | OK |  |
| 2.2 | Check page is displaying correctly | All formatting is present, background image, navigation bar, restaurant name and page title. | OK |  |
| 2.3 | Press Menu button on Navigation Bar from the contact us page | Land on Menu Page: localhost:3000/Menu | OK |  |
| 3.1 | localhost:3000/Menu | Menu Page Loads | OK |  |
| 3.2 | Check page is displaying correctly | All formatting is present, background image, navigation bar, restaurant name and page title. | OK |  |
| 4.1 | Click Lunch Menu Button on Menu Page | Page Loads, all Lunch Menu Items that are active. Showing all values (price, dishname, description(ingredients),allergy)  **Expected Dishes:**  Chicken Pasta  Vegetable Pizza  **Should not be there:**  Chicken and Chips (active set to false) | OK |  |
| 4.2 | Localhost:3000/lunch/LunchMenu | Page Loads | OK |  |
| 4.3 | Click Back to Menu Page | Menu Page Loads | OK |  |
| 5.1 | Click Chef Special Menu Button on Menu Page | Page Loads all Chef Special Items that are active. Showing all values (price, dishname, description(ingredients),allergy)  **Expected Dishes:**  Strawberry Pana Cotta  Scallops of Sicily | OK |  |
| 5.2 | http://localhost:3000/specials/ChefSpecial | Page Loads | OK |  |
| 5.3 | Click Back to Menu Page | Menu Page Loads | OK |  |
| 6.1 | Click Dinner Menu Button on Menu Page | Page Loads all Chef Special Items that are active. Showing all values (price, dishname, description(ingredients),allergy)  **Expected Dishes:**  Lasagne  **Should Not Appear:**  Chicken Pasta (set active flag to false) | OK |  |
| 6.2 | http://localhost:3000/specials/ChefSpecial | Page Loads | OK |  |
| 6.3 | Click Back to Menu Page | Menu Page Loads | OK |  |
| 7.1 | Check Register Button & sign in is only present on Menu Page. | Register and Sign in only on Menu Page | OK |  |
| 7.2 | Clicking Register button | <http://localhost:3000/register> is landed on and registration form is present | OK |  |
| 7.3 | http://localhost:3000/register | Page Loads Successfully | OK |  |
| 7.4 | Click register without any details. | Form highlights entries are required | OK |  |
| 7.5 | Username: Testing123  Password: 12345678 | User is registered and user is relocated to login page. | OK |  |
| 8.1 | On Login Page use newly created login details below:  Username: Testing123  Password: 12345678 | User Successfully logs in and is presented with a new view of the menu page with options for various new actions. | OK |  |
| 8.2 | Press Log Out Button | User is navigated back to the landing page. | OK |  |
| 8.3 | Navigate to login and click sign in with no username or password | Error Message, navigates user to register page to create new details. | Issue Found | User is navigated to register page, but no error message displayed. |
| 8.4 | On Login Page use wrong password:  Username: Testing123  Password: 123 | Resets page, does not allow log in | OK |  |
| 8.5 | User logs back in using details from earlier:  Username: Testing123  Password: 12345678 | Details still on DB and so log in should occur successfully | OK |  |
| 9.1 | User clicks Add New Item | Page Loads, with form to be filled in | OK |  |
| 9.2 | User fills in form and submits using below data:  Which Menu?: Chefs Special Item  Dish Name: Test Pizza  Price: 1.99  Allergy Information: Vegan  Description of Dish: Test description for Test Pizza  Active: True | Form is submitted user navigated back to Menu page (logged out) | OK |  |
| 9.3 | User clicks link to ChefSpecial | New Entry Test Pizza is available on page showing all details | OK |  |
| 9.4 | User logs back in, navigates to Add New Item again and adds the below:  Which Menu?: Chefs Special Item  Dish Name: Won’t be Shown  Price: 99  Allergy Information: Sugar Free  Description of Dish: This is a test and will not show on the Chef Menu  Active: False  Also Try the same on Lunch Menu and Dinner Menu | New Entry Test Pizza is **NOT** available on page showing all details | OK |  |
| 9.5 | User Logs back in and checks Menu buttons work from Logged in view | Menu’s available. Log in required after access. | OK |  |
| 10.1 | User logs in, and clicks remove menu item | User is redirected to form to remove item asking for dishname and menu. | OK |  |
| 10.2 | User tries to submit without filling in fields | Error showing fields required to be filled in | OK |  |
| 10.3 | User submits form:  Menu: Lunch Menu  DishName: Chicken Pasta | Chicken Pasta should be removed from Lunch Menu | Not OK | Internal Server Error: |
| 10.4 | User clicks to view lunch menu | Chicken Pasta should be removed | Not Ok |  |
| 11.1 | User logs back in and navigates to Update Menu Item | Lands on Update Menu form page | OK |  |
| 11.2 | User fills in none of the details and clicks post menu update | Error highlighting fields need entries | OK |  |
| 11.3 | User fills in all items bar Price and clicks post menu update | Error pop up requiring price to be filled in | OK |  |
| 11.4 | User fills in all items bar Description and clicks post menu update | Error pop up requiring Description to be filled in | OK |  |
| 11.5 | User fills in all details on the Update form as below and clicks submit:  Which Menu?: Lunch Menu  Dish Name: Vegetable Pizza  Price: 55  Allergy Information: Sugar Free  Description of Dish: This is a test to update the record  Active: True | Entry for Lunch Menu should be updated when user clicks to view lunch menu | Not OK | Internal Server error received:    Lunch Menu item Vegetable Pizza Not updated: |
| 12.1 | User ensures they are logged out.  User types the below in URL to try and gain access to logged in page:  http://localhost:3000/menuform | User should get not authorised error page | OK |  |
| 12.2 | User ensures they are logged out.  User types the below in URL to try and gain access to logged in page:  http://localhost:3000/updatemenuitem | User should get not authorised error page | OK |  |
| 12.3 | User ensures they are logged out.  User types the below in URL to try and gain access to logged in page:  http://localhost:3000/deleteitem | User should get not authorised error page | OK |  |
| 13.1 | Localhost:3000/notreal | Error 404 not found | OK |  |

# **Testing Summary**

# **Landing Page/about**

The functionality of the Landing Page works as expected. All tests were as expected, of the 7 tests all passed. The pages loaded in with the correct format as expected, with all; navigation buttons bar working and URL page checks all successfully landed as expected.

# **Contact Page**

The functionality of the Static Contact Us Page works as expected. All tests were as expected, of the 3 tests all passed. The pages loaded in with the correct format as expected, with all; navigation bar buttons working and URL page checks all successfully landed as expected.

# **Menu Page**

The functionality of the Menu Page works as expected. All tests were as expected, of the 2 tests all passed. The pages loaded in with the correct format as expected, with all; navigation bar buttons working, and URL page checks all successfully landed as expected.

# **Check Lunch Menu**

The functionality of the Lunch Menu button on the Menu page works as expected. When the user clicks the button, a call goes to the database to filter out the Lunch Items which have active flag as true. All active dishes showed as present on the list, the format was clean in order to help with legibility. Of the 3 tests, one to check button worked and menu loaded and one to check the URL both passed. The final test confirmed the back to menu page returned user back to menu.

# **Check Chef Menu**

The functionality of the Chef Special Menu button on the Menu page works as expected. When the user clicks the button, a call goes to the database to filter out the Chef Special Items which have active flag as true. All active dishes showed as present on the list, the format was clean in order to help with legibility. Of the 3 tests, one to check button worked and menu loaded and one to check the URL both passed.

# **Check Dinner Menu**

The functionality of the Dinner Menu button on the Menu page works as expected. When the user clicks the button, a call goes to the database to filter out the Dinner Menu Items which have active flag as true. All active dishes showed as present on the list, the format was clean in order to help with legibility. Of the 3 tests, one to check button worked and menu loaded and one to check the URL both passed.

# **Register**

The functionality of the Register Section works mostly as expected, of the 5 tests all passed. Click Register and using the URL option took user to the correct page. Data Validation was checked in regard to having a check that the fields were empty. When user enters details, they are successfully added to the Database and user was able to log in with the details. This shows the calls to the user models is working as expected.

# **Login**

The functionality of the login page worked mostly as expected with only 1 error showing. The issue is that if no username or password is entered it is navigated back to the registration form, but it is the login page. Meaning that no login is required, a workaround of navigating back to menu and back to login is required to get around this when no input is present on username and password.

# **Add new Menu item**

Testing the add new items functionality was successful with all tests passed, when adding entries, they would be displayed on the menu if active was set to true, but if added and flag was set to false they would not display on the menu. A possible improvement would be to have an additional page for users to look at all inactive menu items.

# **Remove Menu item**

Testing the Remove Menu item functionality was not successful. The ability to navigate onto the form and fill it in worked, however the submission and removal of entries from the database did not function as they should have. Giving an internal server error. The code was implemented, however seems to call the correct controller, and db action but seems to just hang causing the error.

# **Update Menu Item**

Testing the Update Menu item functionality was not successful. The ability to navigate onto the form and fill it in worked, however the submission and update of existing entries from the database did not function as they should have. Giving an internal server error. The code was implemented, however seems to call the correct controller, and db action but seems to just hang causing the error.

# **User Tries to access Pages that are behind sign in**

Functionality of user being unable to access any pages that require a log in, and are met with a Unauthorised access page. A possible improvement would be to put a link to landing page on this page.

# **User enters an invalid URL path**

Functionality of invalid URL path works as expected with an error being shown when an invalid path is used on the URL.