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| School of Computing and Informatics |
| Website Design and Development |
| Test Plan  Semester 1, year 2023  Student name: Ahmad Obied  Student id: 21110079  Section number: website design & development-4-0--fall  Date: 30-01-2023 |

# Scope

# In scope

The main menu on the website contains 4 pages which are home, contact, menu, login page. The customer will first enter the home page, and he/she could give us feedback or send us a message. Also, the customer can go to the menu page only if he/she is logged in and has created an account, and can order items from the menu and view, edit, delete the order. Moreover, the customer can get to our social media and read about the restaurant in the footer.

# Out scope

The customer will not have a profile page and the ability to edit the information that he/she registered with. Customer cannot upload images to the website and the feedback that he/she gives is only seen by the owner.

# Testing strategy

# Test objectives

# Before the process of publishing the website, we need to make sure that the website requirements are achieved, and each page works as required and in correct way to achieve better UI and UX. That’s the main purpose of the test plan. The test plan will cover as much test cases as possible in the front and back-end.

# Testing methodology

I will test my website step by step and page by page. I will start from the middle of January with a front-end to test the UI and make sure that the website is responsive. Then I start with the back-end page by page to make sure of the website requirements and better UX.

# Schedule

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| --- | --- | --- | --- | --- | --- |
| No | Date from | Date to | Number of hours | Test Type (Responsiveness, form validation, consistency … etc.) | Description |
| 1 | 15/1 | 16/1 | 2Hr | Front-end (responsive, UI & UX) | Test the following pages: signup, login, and contact page. |
| 2 | 16/1 | 17/1 | 2Hr | Front-end (responsive, UI & UX) | Test the following pages: menu, cart, edit page. |
| 3 | 17/1 | 18/1 | 2Hr | Front-end (responsive, UI & UX) | Test the home page |
| 4 | 18/1 | 21/1 | 2HR per day | Back-end (website requirements, functions, and UX) | Testing the back end for all the pages |
| 5 | 21/1 | 23/1 | 2Hr per day | Regular checking and testing for the whole website | Regular checking for the website |

# Test Cases

1. Login, signup, and contact page

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| --- | --- | --- | --- | --- | --- |
| No | Description | Type (Responsive, Navigation, look and feel, page titles, form validation ..etc.) | Steps | Expected results | status |
| 1 | Testing signup, login, contact page | Responsive and the look | Open the pages normally and check that they look well. Then open the pages from mobile device and ensure that they are responsive and look well | No element in the pages will be unseen in case if I opened the pages from mobile device | Pass |
| 2 | Testing signup, login, contact page | Page title and content | Open the pages and refresh them to check that the titles are correct. then check the spelling of the content in the pages. Finally, check the field boxes in the pages where the customer enters his/her information to register or to send a message in the contact page are giving alert in case of no entered value in the fields | No errors in titles, spelling error, and the fields gives alert | Pass |
| 3 | Testing signup, login, contact page | Usability | Open the pages and check for example if the user can go to the signup page through the login page, and the customer can also be able to move to the home page or menu in case he/she is in contact page. | The links must direct the customer to their destination | pass |

1. Menu, cart, edit page

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| --- | --- | --- | --- | --- | --- |
| No | Description | Type (Responsive, Navigation, look and feel, page titles, form validation ..etc.) | Steps | Expected results | status |
| 1 | Testing menu, cart, and edit page | Responsive and the look | Open the pages normally and check that they look well. Then open the pages from mobile device and ensure that they are responsive and look well | No element in the pages will be unseen in case if I opened the pages from mobile device | Pass in the menu page, but fail in the cart and edit page |
| 2 | Testing menu, cart, and edit page | Page title and content | Open the pages and refresh them to check that the titles are correct and no errors in the content spelling | No errors in titles and spelling errors | Pass |
| 3 | Testing menu, cart, and edit page | Usability | Open the pages and check for example if the user can go to the home page through the menu page, and the customer can also be able to move to the menu page through a button in the cart page | The links must direct the customer to their destination | Pass in the menu, but fail in the cart page |

1. Home page

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| --- | --- | --- | --- | --- | --- |
| No | Description | Type (Responsive, Navigation, look and feel, page titles, form validation ..etc.) | Steps | Expected results | status |
| 1 | Testing home page | Responsive and the look | Open the page normally and check that they look well. Then open the page from mobile device and ensure that they are responsive and look well | No element in the pages will be unseen in case if I opened the pages from mobile device | Pass |
| 2 | Testing home page | Page title and content | Open the page and refresh them to check that the titles are correct. then check the spelling of the content in the page. | No errors in titles, spelling error | Pass |
| 3 | Testing home page | Usability | Open the pages and check for navigation bar buttons. | That button must work and send user to the pages | pass |
| 4 | Testing the social media buttons | Functionality | Check if the user can be directed to our social media pages when he/she click on the buttons | The customer must be directed to these pages in case he/she presses the buttons in the footer | fail |

1. Back-end (website requirements, functions, and UX)

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| --- | --- | --- | --- | --- | --- |
| No | Description | Type (Responsive, Navigation, look and feel, page titles, form validation ..etc.) | Steps | Expected results | status |
| 1 | Signup and login page’s functions | User verification | Create an account as a new customer and log in onto the website. Also, ensure that there will be an invalid message in login page in case the customer entered wrong value | The customer must be able to create an account and log in with no problems, and there must be warning messages if the information that he/she entered is wrong | Pass |
| 2 | Testing the login and logout buttons in the home page | Verification for login and logout | After I logged in as a new customer, I go to the home page and there will be a button for logout, and if I logout then a login button will appear instead of logout button | The customer must be able to logout from the home page in case he/she is logged in. Vice versa, the customer can login in case he/she did not do this process yet, and there must not be a logout buttons in this case | Pass |
| 3 | Testing the ability for sending message or feedback in the contact page | Functionality | Me as a user will go to the contact page and try to send a message | The message must be sent to the website owner’s email | Fail |
| 4 | Test the menu page, the customer can add items from the menu and make orders, and the checkout button | Functionality | Me as a customer go to the menu page and add whatever items I want from the menu and press the checkout button to complete the process | The customer must be able to add items in the menu if only he/she is logged in, and when he/she click in the checkout button must save the requested order and redirect the customer to the cart page | Pass |
| 5 | Testing that the customer can view his/her full order | Functionality | After I click on checkout button, I will check if the order is saved in the database and is exist in the cart page | There must be a table in the cart page the show the full order’s items with total price | Pass |
| 6 | Testing the logout button, edit button, and delete button in the cart page | Functionality | Check if the user can logout from the website and return to the home page, edit the order, and delete an order | If the customer clicks on the logout button, then he/she must be redirected to the home page and they cant get into the menu page unless he/she login again. Also, when the customer presses the delete button, then the selected order must be deleted from cart page. Moreover, if the customer presses on the edit page, he/she must be directed to the edit page for editing process | Pass |
| 7 | Testing the edit process | Functionality | Check if the customer can edit the order items | If the customer presses the edit page and select an order to edit, he/she must directed to the edit page where the user can edit the order’s items in any way that he/she likes and then click on the edit button and redirect the user to the cart page and see that the order is changed | Pass |

# Evaluate the Quality Assurance (QA) process

Ensuring the quality of the website and making sure that the website is good enough and ready to be published and to enable the users to use it, this is called quality assurance. To evaluate the quality assurance process for my website, I used the test plan, because it helped me to check and ensure the quality of my website and decide whether the website is good enough and ready to be used by the consumers. Also, it helped to fix a lot of errors during the testing phase and check if the website is fully responsive in front-end testing, the look is good, no errors in the content, and the links work correctly. The website requirements affect the design. for example, the login and logout buttons in the home page, one of the website's requirements is that the user can login, so in the design process, I added a login button in the navigation bar in the home page. But this button will disappear if the user has already logged in. Instead of it, there will be logout button for logging out from the website. So, the website is designed in a way to reflect its requirements. Through the back-end testing, I made sure that the website is functioning correctly with no errors, and finally through the whole testing process, I made sure to meet and cover all the requirements.

# Critical evaluation of the results of your Test Plan.

During the test plan, I tracked and tested as much cases as possible, and like any software, there must be errors and bugs during the testing process, and there must be failed test cases because the developer cannot test and cover all the cases in the software and cannot all cases be passed. But the developer tries his/her best in the testing process to cover a lot of cases and try to fix the bugs and work on the failed test cases in the future. So, I tried hard and did my best to solve the problems that i have faced, and the result of the test plan are: responsive website on mobile devices except the cart and the edit page, fully functional website in the front and back-end except the contact page because I did not implement php for it, and finally a website that meet all the requirements and ready to be published un used.

# Review of the overall success areas of the multipage website.

Login, signup, contact, home page were successful test cases in the front-end and back-end except the contact page. The customer can create an account and login if he/she already has an account, but the customer cannot send a message of feedback to the restaurant’s website’s owner. Also, the content in the pages is clear and the looking good and eye-catching.

Menu, cart, edit page were fully successful in back-end and fully function, and the customer can make, edit, delete, view his/her own order/s. however, there was some problem in the front-end area where the cart and the edit pages are not fully responsive on mobile devices.

In general, the website is successful in all areas and has achieved the requirements.

# Justified recommendations for areas that require improvement.

1. Add button that contains a link to the menu page and put it in the cart page for better UX.
2. Implement php back-end code for the contact page, so the customer can send a message or feedback to the website owner.
3. Work in the cart and edit pages to make them responsive for better UX and UI, so the customer can deal with these two pages easily on the mobile devices.
4. Make the social media buttons in the footer work, so the customer can get to know us better.
5. Add a profile page for the consumers, so they can put their information in it or edit it and be a real member of the Hakuna family.