6. Quality Assurance

In Agile Methodology, testing is the run parallel to the development and so it is important have a fixed format for the testing set from the beginning of the cycle rather than developing at the end. The requirements and use cases developed before were converted into the test cases. We have a traceability matrix in place to track the cycle from a bug to the requirement.

6.1 Test Plan

Table 6.1.1

|  |  |
| --- | --- |
| Test Case Status | Bug Status |
| Pass (P) | Open (O) |
| Fail (F) | In Progress (IP) |
| Not Ran (NR) | Closed (C) |

The test plan is prepared according to the IEEE standard. It shows the details about the test cases that will be executed for the testing of the application and the test plan is done as per the IEEE 829 format. Table 6.1.2 shows the traceability matrix and Table 6.1.3 shows the test plan.

Table 6.1.2

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Use Case ID | Requirement ID | Title | Description | Test Cases |
| UC-01 | RQ-01 | Login | Check whether user can login | 14 |
| UC-02 | RQ-02 | Logout | Check whether user can logout | 5 |
| UC-03 | RQ-03 | View Homepage | User should be directed to homepage | 6 |
| UC-04 | RQ-04 | Sign-Up | Check whether user can signup | 48 |
| UC-05 | RQ-05 | Search | Check whether user can search | 5 |
| UC-06 | RQ-06 | Place Order | Check whether user can place order | 4 |
| UC-07 | RQ-07 | Change Order | Whether user can change order | 4 |
| UC-08 | RQ-08 | Cancel Order | Whether user can cancel order | 4 |
| UC-09 | RQ-09 | Provide Feedback | Whether user can leave a review | 9 |
| UC-10 | RQ-10 | Upload a meal | Whether user can upload meal | 19 |
| UC-11 | RQ-11 | Change a meal | Whether user can change a meal | 8 |
| UC-12 | RQ-12 | Cancel a meal | Whether user can cancel a meal | 13 |
| UC-13 | RQ-13 | View history | Whether user can view history | 12 |
| UC-14 | RQ-14 | Checkout | Whether user can checkout | 9 |

Table 6.1.3

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| RQ ID | Test ID | Objective | Steps | Expected Result | Actual Result | Result | Bug ID |
| RQ-01 | TC-01 | Login | User should enter the valid username and password.  Click Login | Application should display homepage. | Application shows the homepage. | P |  |
| RQ-01.1 | TC-02 | Sign-In (Invalid user) | User should enter invalid username and password.  Click Login | Application should throw an error. | Application throws error. | P |  |
| RQ-01.2 | TC-03 | Anonymous  user | Click on the deal to buy | Application  should display  and ask to  either sign in or sign up |  | P |  |
| RQ-02 | TC-04 | Logout | After user is logged in, he/she should be able to logout. | Application should let user logout. |  | P |  |
| RQ-02.1 | TC-05 | Logout without login | User should not see the logout icon without logging in. | Logout should not be there without logging in. |  | P |  |
| RQ-03 | TC-06 | Homepage | Enter the site address.  User should be seeing homepage. | User should be routed to homepage. |  | P |  |
| RQ-03 | TC-07 | Homepage Display error | Enter the wrong address of the site to get error | Site throws error if server is down. |  | P |  |
| RQ-04 | TC-08 | Sign-Up page displayed | Click on the sign-up button.  Form is displayed to fill up. | Sign Up form should be displayed containing 11 fields. |  | P |  |
| RQ-04 | TC-08 | Sign-Up fields shown | All the fields are visible and user inputs should be tried. | All the fields in the form should be accessible to user. |  | P |  |