EazyDiner

website

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**INTRODUCTION**

* 1. **Purpose**

The Test Plan has been created to communicate the test approach to team members. It includes the objectives, scope, schedule, risks and approach. This document will clearly identify what the test deliverables will be and what is deemed in and out of scope.

The plan identify the items to be tested, the features to be tested, the types of testing to be performed, the personnel responsible for testing, the resources and schedule required to complete testing, and the risks associated with the plan. Throughout the testing process we will be applying the test documentation specifications described in the IEEE Standard 829-1983 for Software Test Documentation.

## Project Overview

Eazydiner.com is a web application used to book table in restaurants, Order food for delivery, Order food for take-away and to pay restaurant bills.

End user can register themselves in the website with their mobile number and login to the website to book table, order food for delivery or take away. The admin can add or remove restaurants, add or remove new item to the menu, add or remove city etc...

## Audience

* Project team members perform tasks specified in this document, and provide input and recommendations on this document.
* Project Manager Plans for the testing activities in the overall project schedule, reviews the document, tracks the performance of the test according to the task herein specified, approves the document and is accountable for the results.
* The stakeholders’ representatives and participants (individuals as identified by the PMO Leads) may take part in the UAT test to ensure the business is aligned with the results of the test.
* Technical Team ensures that the test plan and deliverables are in line with the design, provides the environment for testing and follows the procedures related to the fixes of defects.
* Business analysts will provide their inputs on functional changes.

**2 Scope**

**2.1 Feature to be tested**

All the features of website eazydiner.com which were defined in software requirement specs are need to tested.

|  |  |
| --- | --- |
| **Module name/Feature** | **Description** |
| Sign up | New users can register themselves with their mobile number |
| login | Registered users can login to the website using mobile number and otp |
| City Select | User can select location for restaurants |
| Search | Users can search for a restaurant with its name |
| Contact Us | User can view contact details if any help required |
| About Us | User can view about us page |
| Food Trend Blogs | User can view list of food trend blogs |
| Partner Offers | User can view Offers provided by partners |
| Events | User can view Events page |

**2.2 Feature not to be tested**

These feature are not be tested because they are not included in the software requirement specs.

* User Interfaces
* Hardware Interfaces
* Software Interfaces
* Database logical
* Communications Interfaces
* Website Security and Performance

**3. TESTING PROCESS OVERVIEW**

Test process that should be followed by testers during testing are as follows:

1. **Understanding Requirements:**
   * Requirement specifications will be sent by client.
   * Understanding of requirements will be done by QA along with Respective lead and developer and queries are raised if any.
   * Raised queries will be sent by lead to client.
   * Response to queries will be sent by client.
2. **Preparing Test Cases:**

Testers will be preparing test cases based on the requirement specifications. This will cover all scenarios for requirements.

1. **Preparing Test Matrix:**

Testers will be preparing test matrix which maps test cases to respective requirement. This will ensure the coverage for requirements.

1. **Reviewing test cases and matrix:**

* Peer review will be conducted for test cases and test matrix by Senior Testers in testing team.
* In certain cases for e.g. complex requirements, lead's help will be taken for conducting review.
  + Any comments or suggestions on test cases and test coverage will be provided by reviewer respective Author of Test Case and Test Matrix.
  + Suggestions or improvements will be re-worked by author and will be send for approval.
  + Re-worked improvements will be reviewed and approved by reviewer.

1. **Creating Test Data:**

Test data will be created by respective Testers on client's developments/test site based on scenarios and Test cases.

1. **Executing Test Cases:** 
   * Test cases will be executed by respective Testers on client's development/test site based on designed scenarios, test cases and Test data.
   * Test result (Actual Result, Pass/Fail) will updated in test case document.
2. **Defect Logging and Reporting:**

Tester will be logging the defect/bugs in Bugzilla bug tracking tool found during execution of test cases and will assigned the Bug id generated by Bugzilla to respective test cases document. After this, Tester will inform respective developer about the defect/bugs.

1. **Retesting and Regression Testing:**

Retesting for fixed bugs will be done by respective Testers once it is resolved by respective developer and bug/defect status will be updated accordingly. In certain cases, regression testing will be done if required.

1. **Deployment/Delivery:**

* Once all bugs/defect reported after complete testing is fixed and no other bugs are found, report will be deployed to client’s test site by developer.
* Once round of testing will be done by Testers on client’s test site if required.
* Report will be delivered along with sample output by email to respective lead and Report group.
* Testers will be submitting the filled hard copy of delivery slip to respective developer.
* Once lead gets the hard copy of delivery slip filled by tester and developer, he will send the report delivery email to client

**4 TEST STRATEGY**

**4.1 Test Types**

In this eazydiner.com website, there’re 3 types of testing should be conducted.

**A) Integration Testing:** Individual software modules are combined and tested as a group. This is performed by developing team

**B) System Testing:** Conducted on a complete, integrated system to evaluate the system's compliance with its specified requirements. This is performed by testing team.

**C) API testing:** Test all the APIs create for the software under tested. This is performed by testing team.

**4.2 Risk and Issues**

|  |  |
| --- | --- |
| **Risk** | **Mitigation** |
| Team member lack the required skills for website testing | Plan training course to skill up your members. |
| The project schedule is too tight; it's hard to complete this project on time | Set Test Priority for each of the test activity. |
| Test Manager has poor management skill | Plan leadership training for manager. |
| A lack of cooperation negatively affects your employees' productivity | Encourage each team member in his task, and inspire them to greater efforts. |
| Wrong budget estimate and cost overruns | Establish the scope before beginning work, pay a lot of attention to project planning and constantly track and measure the progress. |

**4.3 Test Logistics**

**4.3.1 Who will test?**

The project should use outsource members as the tester to save the project cost.

**4.3.2 When will test occur?**

The tester will start the test execution when all the following inputs are ready

- Software is available for testing

- Test Specification is created

- Test Environment is built

- Enough human resource for testing

**5 TEST CRITERIA**

**5.1. Entry Criteria**

* + The whole source code must be unit tested H/W and S/W should be in place
  + Testing team have completely understood the requirements
  + Testing team have sound knowledge of functionality in Reports
  + Reviewed test scenarios, test cases and RTM.

**5.2. Suspension Criteria**

If the team members report that there are 40% of test cases failed, suspend testing until the development team fixes all the failed cases.

**5.3. RESUMPTION CRITERIA**

Resumption will only occur when the problem(s) that caused the caused the suspension have been resolved

**5.4. Exit Criteria**

Specifies the criteria that denote a successful completion of a test phase

* No defects over a period of time or less testing efforts
* All the high priority/severity test cases has been executed
* Deliverables are ready
* High severity/ priority bugs are fixed
* Run rate is mandatory to be 100% unless a clear reason is given.
* Pass rate is 80%, achieving the pass rate is mandatory.

**6. RESOURCE PLANNING**

**6.1 System Resource**

|  |  |  |
| --- | --- | --- |
| **S.NO** | **Resource** | **Description** |
| 1 | Server | Need a Database server which install MySQL server Web server which install Apache Server |
| 2 | Test Tool | Develop a Test tool which can auto generate the test result to the pre-defined form and automated test execution |
| 3 | Network | Setup a LAN Gigabit and 1 internet line with the speed at least 5 Mb/s |
| 4 | Computer | At least 4 computer run Windows 7, Ram 2GB, CPU 3.4GHZ |

**6.2 Human Resource**

|  |  |  |
| --- | --- | --- |
| **S.NO** | **Role** | **Responsibilities** |
| **1** | **Test Manager** | * Manage the whole project * Define project directions * Acquire appropriate resources * Reviews the content of the Test Plan, Test Strategy and Test Estimates signs off on it. |
| **2** | **Test Lead** | * Ensure entrance criteria are used as input before start the execution. * Develop test plan and the guidelines to create test conditions, test cases, expected results and execution scripts. * Provide guidelines on how to manage defects. * Attend status meetings in person or via the conference call line. |
| **3** | **Test Team** | * Develop test conditions, test cases, expected results, and execution scripts. * Perform execution and validation. * Identify, document and prioritize defects according to the guidance provided by the Test lead. * Re-test after software modifications have been made according to the schedule. * Prepare testing metrics and provide regular status. |
| **4** | **Test Administrator** | * Builds up and ensures test environment and assets are managed and maintained * Support Tester to use the test environment for test execution |
| **5** | **SQA members** | * Take in charge of quality assurance * Check to confirm whether the testing process is meeting specified requirements |

# 7. TEST ENVIRONMENT

* eazydiner.com website will be hosted on two servers: One to host the actual website and code and the other to host the database.
* A windows environment with Internet Explorer 9, 10 and 11, and with Firefox 90.0, as well as Google Chrome 95.0 and later should be available to each tester.

**8. SCHEDULE & ESTIMATION**

**8.1 All project task and estimation**

|  |  |  |
| --- | --- | --- |
| **Task** | **Members** | **Estimate effort** |
| Create the test specification | Test Designer | 170 man-hour |
| Perform Test Execution | Tester, Test Administrator | 80 man-hour |
| Test Report | Tester | 10 man-hour |
| Test Delivery |  | 20 man-hour |
| **Total** |  | **280 man-hour** |

**8.2 Schedule to complete these tasks**

|  |  |  |
| --- | --- | --- |
| **Task name** | **Start date** | **End date** |
| Create the test specification | 03/01/2022 | 07/01/2022 |
| milestone | 07/01/2022 | 07/01/2022 |
| Perform Test Execution | 10/01/2022 | 19/02/2022 |
| milestone | 20/01/2022 | 20/01/2022 |
| Test Report | 21/01/2022 | 25/01/2022 |
| milestone | 27/01/2022 | 27/01/2022 |
| Test Delivery | 28/01/2022 | 31/01/2022 |
| milestone | 31/01/2022 | 31/01/2022 |

**9 TEST DELIVERABLES**

Test deliverables are provided as below

**9.1 Before testing phase**

* + - Test plans document.
    - Test cases documents
    - Test Design specifications.

**9.2 During the testing**

* Test Tool
* Simulators.
* Test Data
* Test Traceability Matrix
* Error logs and execution logs.

**9.3 After the testing cycles is over**

* Test Results/reports
* Defect Report
* Installation/ Test procedures guidelines
* Release note