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**Project: Hotel Empire Online Reservation System**

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**Submission Date: 05/11/2020**

Write Your Project Title Here Write Your

Project Title Here

21 July 2019

**Document Information and Approvals**

**version history tab**

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document Approval Tab

|  |  |  |  |
| --- | --- | --- | --- |
| **Approver Name** | **Project Role** | **Signature/Electronic Approval** | **Date** |
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1. **TEST PLAN INTRODUCTION**

The document outlines an Acceptance Test Plan in order to test the Hotel Empire website.

* 1. **Purpose**

The purpose of this document is to outlines the Acceptance Test Plan in order to test the developed Hotel Empire website. Certainly, to ensure that the software delivers what client expected based on the defined requirements that have been provided. In addition to that, the plan is practical in order to guarantee the standard compliance and regulation. The ATP will be used by the test team in order to plan, conduct and document the acceptance testing.

* 1. **System Description**

The Empire Hotel website provides various modules that are intended to aid our client needs. The most important part is the website able to widen and reached out more Hotel Empire target audience. Enhance the current business model by providing online capabilities. The website allows the Empire Hotel customer to browse on available hotel room and its rates, gallery and the hotel information. In addition, they can make an online room reservation with in-built payments method. The customer can also check on their past reserve history which can be helpful as insight.

Meanwhile for the Hotel admin, they can check for any reservation made for that day on their homepage dashboard which make it easier to keep track of today reservation. Not only that, the admin can examine any new fresh input of reservation from customer that just recently booked their rooms. Then, they can even update the status of that reservation whether to confirm, complete or cancel booking. On top of that, the website offers searching capability in which the reservation booking can be traced via booking ID. Moreover, the admin can manage the website gallery easily where they can upload new or updated images. Next, a manage room capability is available so the admin can add more, update or remove types of room. Last but not least, the website allow admin to manage the bank option where it can be added, updated and remove when preferred.

* 1. **References**

|  |  |
| --- | --- |
| **IEEE Standard 829-1983** | IEEE Standard for Software Test Plan. |
| **Empire Hotel Change Requests Document** | A document that consist of all 16 change request forms available. |
| **ISTQB Slides** | Numerous slides from chapter 1 until 7 are used as references. Obtained from Software Testing class. |
| **Hotel Empire SCM Plan** | It a good reference document that can give great insights on the process of change and control CIs. |

Table 1: List of refer documents

* 1. **Document Overview**

The STP document consists of six section as brief below:

* **Section 1** explains **Test Plan** **Introduction** introduce the current acceptance test plan and its system description, references and document structure overview.
* **Section 2** contains **Test Strategy** describes the testing strategy that includes test objective, test scope, test process, item pass/fail criteria, test level, entry and exit criteria.
* **Section 3** contains **Test Case Specification** outline the current test cases in development along with Use Case Diagram.
* **Section 5** contains **Test Environment** defines required facilities, hardware, software and other necessary requirement in order for test to be executed smoothly.
* **Section 6** contains **Test Schedule**, discuss on overall schedule plan including testing activities.

1. **TEST STRATEGY**

A test strategy is an outline what the method and way to do testing for this Empire Hotel software development life cycle. It is the main core part of this test plan.

* 1. **Test Objective**

The main objective for this test plan is

* To remove the bugs as many as possible to gain system robustness.
* Ensure that the software is certified to be released into real environment.
* To gain high confidence that all of the functionalities of Empire Hotel are workable as expected.
* To acquired sign-offs from all important Empire Hotel stakeholders.

* 1. **Scope**

The scope of this Acceptance test plan is to ensure that all of the requirements defined in Approved Change Requests form are met and tested accurately.

* 1. **Test Items**

The item to be tested is Empire Hotel website prototype

* + 1. **Features Tested**

Below is the list of features that will be tested.

|  |  |
| --- | --- |
| ID | Features |
| CR1 | New Website Design with Minimalist Concept |
| CR2 | Updated Navigation Bar for Login and Register |
| CR3 | New bank type option (Bank Islam & AmBank) |
| CR4 | New Message Box for Additional Info |
| CR5 | Refine Payment Approach |
| CR6 | Solve Print Button |
| CR7 | New Validation for Reservation |
| CR8 | New Login for Customer |
| CR9 | New Register for Customer |
| CR10 | New Logout for Customer |
| CR11 | New Reserve History |
| CR12 | New Status Confirmation  (Cancel, Confirm & Complete Booking) |
| CR13 | New Room Cancellation for Customer side |
| CR14 | New Searching Capability for Admin |
| CR15 | New Manage Bank for Admin |
| CR16 | New Validation for Login and Register |

* 1. **Test Process**

This is the overall test process that will be applied in Empire Hotel project testing.

1. **Test Planning**

**Analyze Existing Documents (Test Basis)** which is Change Requests document as it includes the changes information and its requirements. Then, **create Software Test Plan** which contains the test objective, test scope, test strategy, test case specification, test schedule, test environment and resources. Next, **review all the test components** to ensure completeness, clarity and accuracy.

1. **Test Preparation**

Prepare the test environment by assembling the necessary facilities, resources and tools that has been outlined in STP to conduct fulfilling testing with complete precondition criteria. Ensure requirements are testability

1. **Test Execution**

Execute the test cases and its test procedures in which it compares the obtained test results with the expected actual test results to determine if test passed or failed**.** Lastly, track and record all of the actions taken, results and incident for the next further stage which is review.

1. **Test Result Reviews**

Itis done to analyze the open incidents so that we can know the severity. To do this, it compares the acquired test results with the expected test result. Then alert to developers and Empire hotel stakeholders regarding the incidents. Defects may need to be fixed and retest or if relevant stakeholders agree then test can be closed with the following defects (although it usually a minor one).

1. **Test Closure**

It is used to evaluate the exit criteria which consist of activities such as checking whether deliverables delivered or not, incident and defects has been solved and all test cases have been executed or not. If done, then it will close incident report, archive test ware and its related matter. Lastly determine how the testing and what can be improvised.

* 1. **Item Pass/Fail Criteria**

The criteria to determine test pass or fail is through the approved change requests in which we evaluate whether the requirements that based on the CRs meet and tally or not. If it meets with what have been specified exact in the approved Change Request form, then pass is obtained. If did not meet what have been defined in the change request, then it be deliberated as fail thus a rework or revision may require to solve the existing problems or incident.

* 1. **Entry and Exit Criteria**

Entry and exit criteria define when testing activities started and when to stop it. This is essential and required to be mentioned in test plan as exhaustive testing is impossible.

* + 1. Entrance Criteria

Below are the criteria required to start testing

* The change request has been reviewed and approved by relevant stakeholders.
* The change request has been implemented and is ready for testing
* The change request and its requirements are testable
* Test environment have been prepared and setup
  + 1. Exit Criteria

Below are the criteria required to stop the testing activities as a whole

* All test cases have been tested and executed successfully
* All unresolved defects are documented
* All open major defects have been fixed, retested and met the requirements
  1. **Risks and Contingencies**

In every project, risks are available and shall need to be addressed by providing contingencies plan. Below are several major risks that need to have contingencies.

|  |  |  |  |
| --- | --- | --- | --- |
| **ID No** | **Project Risks** | **Impact** | **Contingencies** |
| 1 | Unprepared Test Environment | Unable to run the test | Proper planning must be done and followed strictly. If event has occurred, then increase labor power and quickly prepared the test environment. |
| 2 | Unavailability of Test data | Test delay  Also, May cause test inaccuracy | Conduct test on past experience basis. Also ask the Empire Hotel stakeholders on what kind of data that they want to put in the website for selected part. |
| 3 | A lot of defects found | Unable to run all of the test case | Fix the defects first one by one before start to test again. |

Table 3: Project Risks

* 1. **Test Level**
     1. **Black box Testing**

Black box testing is the method used to test the system without the need of having knowledge about how codes work.

The tests are done from the point of view of customers. It involves the interaction of the tester with the user interface by providing inputs and examining the output without knowing how the output has been delivered.

This method of testing involves testing the system validation against requirements defined and mentioned by users during early stages of software development.

Black box method is performed by ensuring that the software requirement specification of Hotel empire reservation system should be precise and available to testers to use.

The test undergoes various techniques using black box techniques to ensure and validate that the system verifies its purpose of development.

Black box has many types of tests, however the test that would be conducted for the following system is regression testing which happens after the test code fixes and upgrades are done, the test is done to check whether the new codes added have affected the performance of the system and its existing codes.

User acceptance testing will be performed on Hotel Empire Reservation System.

* + - 1. **User Acceptance Testing**

Acceptance testing is the testing which will be performed by the quality assurance team to identify whether the system performs its functions as expected and meets end user requirements, rather than identifying where errors in the system are depicted and found. The test is done to determine the acceptability of the software to the users.

* + - * 1. **Alpha Testing**

Alpha testing is the first stage in acceptance testing which is performed by members of the team who have developed the system but are indirectly involved in the project. Alpha testing can also be considered as done after unit, integrations and system testing are combined and done.

During alpha testing, errors such as spelling and broken links are investigated.

The system is usually tested on a platform with lower specifications than the one the system needs to help determine the loading and latency problem the system may have.

* + - * 1. **Beta Testing**

Beta testing is the testing which comes after alpha testing is conducted successfully. The process involves a group of the intended users installing the system, running it, and sending feedback to the testing team and developer to fix and adjust the problems they encountered when using the system. The more issues found and solved will help eliminate a huge amount of errors and difficulties that might be faced by users and ensures higher satisfaction of users.

1. **TEST CASE SPECIFICATION**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Tested By** | | Faizah Chaibou Issoufou | | |
| **Test Level** | | UAT | | |
| **Test Type** | | Alpha and Beta testing | | |
| **Test Case Number** | | TC\_001 | | |
| **Test Case Name** | | Print button | | |
| **Test Case Description** | | Ensure that the button works and customers can print the report once generated | | |
| **Test Status** | | **PASS** | | |
| **Item(s) to be tested** | | | | |
| 1 | Print button | | | |
| **Specifications** | | | | |
| **Input** | | | | **Expected**  **Output/Result** |
|  | | | | Details printed |
| **Pre-Condition** | | |  | |
| **Procedural Steps** | | | | |
| 1 | Login | | | |
| 2 | Click on reserve room | | | |
| 3 | Fill in the details | | | |
| 4 | Press print button | | | |
| **Post Condition** | | | Customer able to print reservation and payment details | |

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| **Tested By** | | Faizah Chaibou Issoufou | | |
| **Test Level** | | UAT | | |
| **Test Type** | | Alpha and Beta testing | | |
| **Test Case Number** | | TC\_002 | | |
| **Test Case Name** | | Search reservation details | | |
| **Test Case Description** | | Ensure that admin is able to search for reservation details made by customers | | |
| **Test Status** | | **PASS** | | |
| **Item(s) to be tested** | | | | |
| 1 | Reservation page | | | |
| 2 | Reservation search box | | | |
| **Specifications** | | | | |
| **Input** | | | | **Expected**  **Output/Result** |
| Booking number | | | | Desired booking displayed |
| **Pre-Condition** | | |  | |
| **Procedural Steps** | | | | |
| 1 | Admin selects reservation | | | |
| 2 | Admin enters booking number in search box | | | |
| **Post Condition** | | | Desired booking displayed | |

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| **Tested By** | | Faizah Chaibou Issoufou | | |
| **Test Level** | | UAT | | |
| **Test Type** | | Alpha and Beta testing | | |
| **Test Case Number** | | TC\_003 | | |
| **Test Case Name** | | Add banking options | | |
| **Test Case Description** | | Verify that customers have wide range of bank options to choose from and each option can be selected | | |
| **Test Status** | | **PASS** | | |
| **Item(s) to be tested** | | | | |
| 1 | Banking options | | | |
| **Specifications** | | | | |
| **Input** | | | | **Expected**  **Output/Result** |
| Reserve a room | | | | Customers have wide variety of bank options to choose from |
| **Pre-Condition** | | | Reservation must be made | |
| **Procedural Steps** | | | | |
| 1 | Login | | | |
| 2 | Click on reserve room | | | |
| 3 | Fill in the details | | | |
| 4 | Select any available bank option | | | |
| **Post Condition** | | | Selection chosen | |

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| --- | --- | --- | --- | --- |
| **Tested By** | | Faizah Chaibou Issoufou | | |
| **Test Level** | | UAT | | |
| **Test Type** | | Alpha and Beta testing | | |
| **Test Case Number** | | TC\_004 | | |
| **Test Case Name** | | Message box | | |
| **Test Case Description** | | Ensure that a message box is available on reservation details page and user can input text into the box | | |
| **Test Status** | | **PASS** | | |
| **Item(s) to be tested** | | | | |
| 1 | Message box | | | |
| **Specifications** | | | | |
| **Input** | | | | **Expected**  **Output/Result** |
| Message | | | | User able to input a message for hotel empire |
| **Pre-Condition** | | | Reserve a room | |
| **Procedural Steps** | | | | |
| 1 | Customer reserves a room | | | |
| 2 | Customer types in message box | | | |
| 3 |  | | | |
| 4 |  | | | |
| **Post Condition** | | | Admin must be able to view message | |

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| **Tested By** | | Faizah Chaibou Issoufou | | |
| **Test Level** | | UAT | | |
| **Test Type+** | | Alpha and Beta testing | | |
| **Test Case Number** | | TC\_005 | | |
| **Test Case Name** | | Refine payment | | |
| **Test Case Description** | | Ensure that customers can pay through the website without having the need to exist the website | | |
| **Test Status** | | **PASS** | | |
| **Item(s) to be tested** | | | | |
| 1 | Payment page | | | |
| **Specifications** | | | | |
| **Input** | | | | **Expected**  **Output/Result** |
|  | | | | Payment successful |
| **Pre-Condition** | | |  | |
| **Procedural Steps** | | | | |
| 1 | Login | | | |
| 2 | Click on reserve room | | | |
| 3 | Fill in the details | | | |
| 4 | Select any available bank option | | | |
| **Post Condition** | | | Payment made through the website | |

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| **Tested By** | | Faizah Chaibou Issoufou | | |
| **Test Level** | | UAT | | |
| **Test Type** | | Alpha and Beta testing | | |
| **Test Case Number** | | TC\_006 | | |
| **Test Case Name** | | Website design | | |
| **Test Case Description** | | Ensure that the website design is appealing and minimalist | | |
| **Test Status** | | **PASS** | | |
| **Item(s) to be tested** | | | | |
| 1 | All pages of website | | | |
| **Specifications** | | | | |
| **Input** | | | | **Expected**  **Output/Result** |
| Username, password | | | | Access to website |
| **Pre-Condition** | | |  | |
| **Procedural Steps** | | | | |
| 1 | Login | | | |
| 2 | View design | | | |
| **Post Condition** | | |  | |

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| **Tested By** | | Faizah Chaibou Issoufou | | |
| **Test Level** | | UAT | | |
| **Test Type** | | Alpha and Beta testing | | |
| **Test Case Number** | | TC\_007 | | |
| **Test Case Name** | | Room reservation confirmation | | |
| **Test Case Description** | | Verify that customers are able to view the room selection before reserving | | |
| **Test Status** | | **PASS** | | |
| **Item(s) to be tested** | | | | |
| 1 | Reservation page | | | |
| **Specifications** | | | | |
| **Input** | | | | **Expected**  **Output/Result** |
| Click on reserve room | | | | Customer can verify selection before proceeding |
| **Pre-Condition** | | |  | |
| **Procedural Steps** | | | | |
| 1 | Login | | | |
| 2 | Click on reserve room | | | |
| 3 | Fill in the details | | | |
| **Post Condition** | | | Customer able to view room selection | |

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| **Tested By** | | Faizah Chaibou Issoufou | | |
| **Test Level** | | UAT | | |
| **Test Type** | | Alpha and Beta testing | | |
| **Test Case Number** | | TC\_008 | | |
| **Test Case Name** | | Login | | |
| **Test Case Description** | | Customers able to login into the system | | |
| **Test Status** | | **PASS** | | |
| **Item(s) to be tested** | | | | |
| 1 | Login page | | | |
| **Specifications** | | | | |
| **Input** | | | | **Expected**  **Output/Result** |
| Username, password | | | | Login successful |
| **Pre-Condition** | | | User must be registered | |
| **Procedural Steps** | | | | |
| 1 | Open website | | | |
| 2 | Click on login | | | |
| 3 | Enter username and password | | | |
| 4 | Click on login | | | |
| **Post Condition** | | | User logged in | |

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| **Tested By** | | Faizah Chaibou Issoufou | | |
| **Test Level** | | UAT | | |
| **Test Type** | | Alpha and Beta testing | | |
| **Test Case Number** | | TC\_009 | | |
| **Test Case Name** | | Sign up | | |
| **Test Case Description** | | Verify that users can sign up and make an account when they don’t have an account in the system | | |
| **Test Status** | | **PASS** | | |
| **Item(s) to be tested** | | | | |
| 1 | Signup page | | | |
| **Specifications** | | | | |
| **Input** | | | | **Expected**  **Output/Result** |
| Username, password, name, email, tel number | | | | Registration successful |
| **Pre-Condition** | | | User does not have an account | |
| **Procedural Steps** | | | | |
| 1 | Open website | | | |
| 2 | Click on login | | | |
| 3 | Click on register here! | | | |
| 4 | Fill in the details | | | |
| 5 | Press register button | | | |
| **Post Condition** | | | Account created | |

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| **Tested By** | | Faizah Chaibou Issoufou | | |
| **Test Level** | | UAT | | |
| **Test Type** | | Alpha and Beta testing | | |
| **Test Case Number** | | TC\_010 | | |
| **Test Case Name** | | Log out | | |
| **Test Case Description** | | Ensure that users are able to logout from the system when they login | | |
| **Test Status** | | **PASS** | | |
| **Item(s) to be tested** | | | | |
| 1 | Logout button | | | |
| **Specifications** | | | | |
| **Input** | | | | **Expected**  **Output/Result** |
|  | | | | User logged out |
| **Pre-Condition** | | | User must be logged in | |
| **Procedural Steps** | | | | |
| 1 | Navigate to main menu | | | |
| 2 | Click on log out | | | |
| **Post Condition** | | | User logged out of account | |

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| --- | --- | --- | --- | --- |
| **Tested By** | | Faizah Chaibou Issoufou | | |
| **Test Level** | | UAT | | |
| **Test Type** | | Alpha and Beta testing | | |
| **Test Case Number** | | TC\_011 | | |
| **Test Case Name** | | Check Reservation history | | |
| **Test Case Description** | | Ensure that users are able to view their previous reservations | | |
| **Test Status** | | **PASS** | | |
| **Item(s) to be tested** | | | | |
| 1 | Reservation history page | | | |
| **Specifications** | | | | |
| **Input** | | | | **Expected**  **Output/Result** |
|  | | | | User view previous reservations |
| **Pre-Condition** | | | Room must be reserved | |
| **Procedural Steps** | | | | |
| 1 | Login | | | |
| 2 | Click on reserve room | | | |
| 3 | Fill in the details | | | |
| 4 | Navigate to navigation bar | | | |
| **Post Condition** | | | Click on reserve history | |

|  |  |  |  |  |
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| **Tested By** | | Faizah Chaibou Issoufou | | |
| **Test Level** | | UAT | | |
| **Test Type** | | Alpha and Beta testing | | |
| **Test Case Number** | | TC\_012 | | |
| **Test Case Name** | | Check status | | |
| **Test Case Description** | | Ensure that admin is able to edit, and delete a status of a reservation | | |
| **Test Status** | | **PASS** | | |
| **Item(s) to be tested** | | | | |
| 1 | Admin reservation page | | | |
| 2 |  | | | |
| **Specifications** | | | | |
| **Input** | | | | **Expected**  **Output/Result** |
|  | | | | Admin able to edit changes on reservation |
| **Pre-Condition** | | | **Customer must make a reservation** | |
| **Procedural Steps** | | | | |
| 1 | Customer makes a reservation | | | |
| 2 | Admin views reservation | | | |
| 3 | Admin makes changes | | | |
| **Post Condition** | | | Changes updated | |

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| --- | --- | --- | --- | --- |
| **Tested By** | | Faizah Chaibou Issoufou | | |
| **Test Level** | | UAT | | |
| **Test Type** | | Alpha and Beta testing | | |
| **Test Case Number** | | TC\_013 | | |
| **Test Case Name** | | Cancel room | | |
| **Test Case Description** | | Ensure that users can cancel a room reservation when a reservation has been successfully made | | |
| **Test Status** | | **PASS** | | |
| **Item(s) to be tested** | | | | |
| 1 | Reserve history page | | | |
| **Specifications** | | | | |
| **Input** | | | | **Expected**  **Output/Result** |
|  | | | | Room reservation cancelled |
| **Pre-Condition** | | | Room must be reserved | |
| **Procedural Steps** | | | | |
| 1 | Login | | | |
| 2 | Click on reserve history | | | |
| 3 | Click on cancel for the wanted option | | | |
| **Post Condition** | | | Reservation cancelled | |

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| --- | --- | --- | --- | --- |
| **Tested By** | | Faizah Chaibou Issoufou | | |
| **Test Level** | | UAT | | |
| **Test Type** | | Alpha and Beta testing | | |
| **Test Case Number** | | TC\_014 | | |
| **Test Case Name** | | Refine navigation bar | | |
| **Test Case Description** | | Ensure that the newly added features are updated and available on the navigation bar | | |
| **Test Status** | | **PASS** | | |
| **Item(s) to be tested** | | | | |
| 1 | Website homepage | | | |
| **Specifications** | | | | |
| **Input** | | | | **Expected**  **Output/Result** |
|  | | | | Navigation bar contains newly features |
| **Pre-Condition** | | |  | |
| **Procedural Steps** | | | | |
| 1 | Open website | | | |
| **Post Condition** | | | Features found on navigation bar | |

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| --- | --- | --- | --- | --- |
| **Tested By** | | Faizah Chaibou Issoufou | | |
| **Test Level** | | UAT | | |
| **Test Type** | | Alpha and Beta testing | | |
| **Test Case Number** | | TC\_015 | | |
| **Test Case Name** | | Add bank account | | |
| **Test Case Description** | | Ensure that admin is able to edit, and delete bank options | | |
| **Test Status** | | **PASS** | | |
| **Item(s) to be tested** | | | | |
| 1 | Admin bank page | | | |
| 2 |  | | | |
| **Specifications** | | | | |
| **Input** | | | | **Expected**  **Output/Result** |
|  | | | | Admin able to add, edit and delete bank |
| **Pre-Condition** | | |  | |
| **Procedural Steps** | | | | |
| 1 | Admin add new bank | | | |
| 2 | Admin makes changes to bank details | | | |
| **Post Condition** | | | Changes updated | |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Tested By** | | Faizah Chaibou Issoufou | | |
| **Test Level** | | UAT | | |
| **Test Type** | | Alpha and Beta testing | | |
| **Test Case Number** | | TC\_016 | | |
| **Test Case Name** | | Validate login and registration | | |
| **Test Case Description** | | Ensure that the required error notices are displayed to the customers when needed | | |
| **Test Status** | | **PASS** | | |
| **Item(s) to be tested** | | | | |
| 1 | Register page | | | |
| 2 | Login page | | | |
| **Specifications** | | | | |
| **Input** | | | | **Expected**  **Output/Result** |
| Login and registration details | | | | Validation errors are displayed |
| **Pre-Condition** | | | Wrong input entered by user | |
| **Procedural Steps** | | | | |
| 1 | User enters wrong email, password, previously registered email | | | |
| **Post Condition** | | | Validation error displayed | |

1. **TEST ENVIRONMENT**

This section defines necessary resources to be used as part of the test environment for testing. Test environment consist of hardware, software, facilities, training and others.

* 1. **Facilities**

The testing will be conducted at developer site; the environment is being setup in a way that it depicts similar resemblance of Empire Hotel environment. The pure reason not to conduct at client environment is due to how it is still not in controlled environment and still not ready for the client to test. Moreover, it easier for the developer to fix quickly. The test environment facilities shall have a physical room space with chairs, tables and plug points nearby. Electrical and internet connection resource shall be available.

* 1. **Required resources (hardware/software)**

**4.2.1 Hardware**

|  |  |  |
| --- | --- | --- |
| **No** | **Hardware** | **Specification** |
| 1 | HP Pavilion | OS: Windows 7 and above  Processor: Pentium 4 processor or higher  Memory: 1 GB RAM or higher  Storage: 250 MB and more |

**4.2.2 Software**

|  |  |  |
| --- | --- | --- |
| **No** | **Software** | **System Specification** |
| 1 | Window 10 OS | * Processor: 1 Ghz Or Faster Processor Or Soc. * Ram: 1GB For 32-Bit Or 2GB For 64-Bit. * Hard Disk Space: 16GB For 32-Bit OS 20GB For 64-Bit OS. |
| 2 | Web Browser | OS: Window 7, 8, 8.1, 10  Processor: Intel Pentium 4 and Above |
| 3 | Mobile Web Browser | Android OS: 4.4 and Above  IOS: iOS 10.0 And Above |
| 4 | XAMPP Control | OS: Window 7, 8, 8.1, 10  Space Required: 156 [MB](https://www.google.com/search?sxsrf=ALeKk02ZbU92Th-tyFF4omCrZHeB4g_Ccg:1602878300936&q=MB&stick=H4sIAAAAAAAAAONgVuLVT9c3NEw3yE4xrEwyWMTK5OsEAHv1nRIWAAAA&sa=X&ved=2ahUKEwiv6Pr98rnsAhXp6XMBHcQxC0wQmxMoAjAiegQIJxAE) |
| 5 | MySQL phpMyAdmin | PHP 7.1.3 or newer  MySQL 5.5 or newer  MariaDB 5.5 or newer |

* 1. **Training**

A training can be time consuming but can be necessary to ensure that the tester really aware, experience and knowledgeable in testing aspects and its mechanism. This is important to ensure accurate, productive and efficient testing. On top of that, to ensure that they also know the business process of Empire Hotel and how the website supposed to work based on this business process.

* 1. **Test Team composition**

**Test Planner / Controller – Muhammad Faid Luqman Bin Nor Hasni**

* Produce and lead the test plan
* Ensure it is delivered as expected in schedule and quality
* Report test progress at meetings
* Co-ordinate review and signoff
* Approved or reject test contents made from other members
* Manage individual test cycles and resolve tester queries/problems.

**Lead Tester – Syifa’Ul Husna Binti Halim**

* Execute test conditions and mark-off results
* Prepare software error reports
* Ensure test systems outages/problems are reported immediately & followed up.
* Ensure entrance criteria are achieved prior to system test start.
* Ensure exit criteria are achieved prior to system test signoff.

**Test Designer – Faizah Chaibou Issoufou**

* Plan and design the test strategy in term of test level, test technique and type of test.
* Design test components such as test case and test data
* Determine appropriate techniques, tools and guidelines to implement test

1. **TEST SCHEDULE**

Test schedule of is planned as table below: -

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **No** | **Task** | **Description** | **Start Date** | **Finish Date** |
| 1 | Information Gathering | Gathering information regarding the system to prepare for test planning. | Week 2 | Week 3 |
| 2 | Test Planning | outlines the strategy that will be used to test the system. Planning resources that will be used, the test environment in which testing will be performed. | Week 3 | Week 9 |
| 3 | Test Case Design | Designing test case so that every part of system gets tested so that any error found can be fixed. | Week 8 | Week 9 |
| 4 | Test Development | Conduct internal testing. Test system unit during system development to minimize bug and error during test execution. | Week 10 | Week 12 |
| 5 | Test Execution | Test when the system is fully complete according to test plan. Compare actual result with expected result in test cases. | Week 13 | Week 14 |
| 6 | Bug Fixing | Bug found during test execution will be fixed by developer. Conduct regression testing after implement change. | Week 15 | Week 16 |
| 7 | Test Evaluation | Test result is evaluated to see if the system can be accepted as complete. Compare the result against requirement. | Week 16 | Week 17 |
| 8 | Test Reporting | Document the test result in the test result report. Finalize everything and summary of all the tests conducted during the software development life cycle | Week 17 | Week 18 |

1. **Glossary**

|  |  |
| --- | --- |
| **Definition Term** | **Definition** |
| Defect | Non-conformance to requirements or functional / program specification |
| Functional Testing | Testing the features and operational behaviour of a product to ensure they correspond to its specifications |
| Coding | The generation of source code. |
| Test Item | The individual element to be tested. There usually is one test object and many test items. See also test object |
| Tester | A technically skilled professional who is involved in the testing of a component or system. |

|  |  |
| --- | --- |
| **Abbreviations** | |
| STP | Software Test Plan |
| SRS | Software Requirement Specification |
| IEEE | Institute of Electrical and Electronics Engineers |
| ISO | International Organization for Standardization |
| ISTQB | International Software Testing Qualifications Board |
| CR | Change Request |
| SCM | Software Configuration Management |