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Creation Date

Test plan

Travel Advisor Web Application

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1 Introduction

The test plan is designed to prescribe scope, approach, resources, and schedule of all testing activities of the project Travel Advisor Web Application (TAWA).

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.

* 1. Objective

A primary objective of testing application systems is to: assure that the system meets the full requirements, including quality requirements and satisfies the use case scenarios and maintain the quality of the product. At the end of the project development cycle, the user should find that the project has met or exceeded all of their expectations as detailed in the requirements.

* 1. Team Member

|  |  |
| --- | --- |
| **Resource Name** | **Role** |
| Nesma Bahgat | Writing and Execution test cases and report bugs for Signup, Login and Logout modules. |
| Asmaa Hamdy | Writing and Execution test cases and report bugs for Admin module. |
| Mayson Magdy | Writing and Execution test cases and report bugs for Home Page, Page Destinations and Feedback and Rating modules. |
| Mahmoud Yasser | Writing and Execution test cases and report bugs for Booking and Reserved trips modules. |

2 Scope

2.1 In Scope

All the feature of TAWA which were defined in software requirement [specs](https://docs.google.com/document/d/1rPW5DV82VJT6vtA1VDSrfxaCBuAduxW0zb1yfTh_VMk/edit?pli=1) are need to be tested (Sign up, Login, Home Page, Destination Details, Feedback and Rating, Booking, Admin Page, Edit Page) and user interfaces. (Refer to SRS)

* 1. Out of Scope
* Non-Functional testing.
* Regression Testing.
* Unit Testing
* Integration Testing.

3 Testing Strategy

* The project will be restricted for functional and UI testing following test cases documented in a test cases sheet (Testing branch/Testing/Test cases/TAWA\_TestCases.xlsx).
* Bugs will be raised against the deviation from SRS in both functional and UI issue only in a bug report sheet (Testing branch/Testing/Bug Report/TAWA\_Bug Report.xlsx).
* A Confirmation Testing will be done after fixing the raised bugs to ensure that the bugs has been fixed.

1. Testing Levels

System Testing is the only the test level will be done through the project.

* 1. System Level
* Testing team is responsible for writing test cases which include valid and invalid inputs, happy and bad scenarios to ensure that the system is meeting and satisfying the customer requirement.
* Testing team is responsible for raising bugs against any issue in testing scope.
* Development team is responsible for fixing bugs which are raised by testing team.
* Testing team is responsible for do a confirmation testing for resolved bugs.

5 Risks

5.1 Product Risk

* Tight Schedules, that make people work in a rush and commit more mistakes.
* Software might not perform its intended function.
* User experience feedback might not meet product expectations.

5.2 Project Risk

* Delay in setting up test environment.
* The team knowledge isn’t very high in the used technologies.
* One of the team members is quit.
* The team members have interviews.
* The project will be in Ramadan
* Conflicts and miscommunications between team members could cause some information’s to be missed.
* Low experience in the project management could affect the quality of deliverables and project milestones

1. Test Environment

Xampp program is required to be installed on all testing team machines.

7 Testing Schedule

* Testing activity will start at 22/5/2019 and development team will start fixing bugs by 23/5/2019.
* Testing team will start confirmation testing as soon as there are resolved bugs and it will be finished by 24/5/2019.
* Test Report will be delivered by testing team by the end of 24/5/2019.

8 Entry Criteria

The following shall be existed so testing team can start its activities:

* The application shall be fully developed and integrated so testing team can start testing in a stable version.
* The Test environment is set up and ready to use.
* Test Data is available.
* Test cases are designed for all modules and ready to be executed.

9 Exit Criteria

The following shall be achieved so we can reach the closure of test activities:

* 100% test cases shall be executed.
* The bugs with the highest priority shall be solved.
* 70% of test cases shall be passed.