

Test Plan

Maldives Tourism Website

Version 1.0

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Final Project

Table of Contents

1. Test plan identifier	3
2. Introduction	3
3. Test items	3
4. Features to be tested	3
5. Approach	4
6. Item pass/fail criteria	5
7. Suspension criteria and resumption requirements	5
7.1. Suspension criteria	5
7.2. Resumption requirements	5
8. Test deliverables	5
9. Environmental needs	6
9.1. Physical Characteristics	6

1. Test plan identifier

MADTWEB-V1.0

2. Introduction

The purpose of this document is to describe the plan for testing the main functionalities of Maldives Tourism Website. The document will also describe the activities related to testing the software and the environment and tools that will be used to test the software.

3. Test items

The critical Use Cases of the application software will be tested. The test will be performed after the first version of the software is complete. The critical use cases will be the ones chosen to be tested since they reflect the main functionalities of the system, it doesn't mean that the other use cases are less important, but their functionality is very similar to the others and the developer will have to implement the same way to assure the desired quality.

4. Features to be tested.

The next use cases will be tested:

- 4.1.** Navigation of website links
- 4.2.** Loading of website resources
- 4.3.** Uploading of photos
- 4.4.** Checking of the photo extension and resolution constraints
- 4.5.** Fetching and displaying photos from the database
- 4.6.** Connection with the database

5. Approach

The tester will navigate to different pages of the website from all the links on website. The testing will determine that all links are accessible and no page link is broken.

Black Box testing will be the approach used by the tester. Tester will identify the 2 classes of inputs for the image extensions and other document extensions. Developer will help tester in writing equivalence classes for testing the resolution of images.

Unit test will be applied to the code to check the different methods and functions. Also, we will check the class interfaces to make sure that the different modules are integrated correctly.

6. Item pass/fail criteria

The software must be able to pass the tests for all the critical uses cases described in the design document. Each feature will be passed if it satisfies the corresponding requirement in the document and failed if any or none of the behavioral expectations are met as described.

7. Suspension criteria and resumption requirements

7.1. Suspension criteria

If a test case fails, testing will be suspended for all dependent features. The failed test case will be logged into a test log along with a description of the failure.

7.2. Resumption requirements

Testing for the failed test case will resume after the bug has been identified and resolved. Independent test cases will continue to be executed in parallel to bug fixing.

8. Test deliverables

The following artifacts will be produced after the tests are conducted on the application:

- Test Plan
- Formal Inspection Checklist
- Assessment Evaluation

9. Environmental needs

This section will outline the necessary and desired properties needed for the test environment.

9.1. Physical Characteristics

The application should work fine in all browsers.