TRAVEL ADVISOR WEB APPLICATION

CONFIGURATION MANAGEMENT PLAN

Version Number: 1.0

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VERSION HISTORY

Version Number	Implemented By	Revision Date	Approved By	Approval Date	Description of Change
1.0	Asmaa Hamdy	28/4/2019			Creation of the document

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1 INTRODUCTION

1.1 PURPOSE OF THE CONFIGURATION MANAGEMENT PLAN

The overall objective of a Configuration Management (CM) Plan is to document and inform project stakeholders about CM with the project, what CM tools will be used, and how they will be applied by the project to promote success. The Travel Advisor Web Application CM Plan defines the project's structure and methods for

- Identifying, defining, and baselining configuration items (CI)
- Controlling modifications and releases of CIs
- Reporting and recording status of CIs and any requested modifications
- Ensuring completeness, consistency, and correctness of CIs
- Controlling storage, handling, and delivery of the CIs

The intended audience of the CM Plan is the project manager, project team and product owners.

2 CONFIGURATION MANAGEMENT

2.1 APPROACH

The configuration Management tool that will be used is GitHub Desktop. This is because of its features which suit the project and being a free tool with the exact support needed.

2.2 ORGANIZATION

The roles involved in the CM activities are:-

- The project manager
- The Delivery team

There will be two branches, one for development (will be accessed by all developers) and the other one for testing (will be accessed by all testers). In addition to the master branch, which will be accessed by all project members.

2.3 TRAINING

A deeper training in continuous integration and DevOps is needed to the whole team especially in using Jenkins as a continuous integration tool.

3 CONFIGURATION MANAGEMENT ACTIVITIES

3.1 CONFIGURATION ITEMS

The items that will be placed under the configuration management tool are:-

-The source code

-The test-cases

-All of the project work products and documents

3.2 CONFIGURATION IDENTIFICATION

- The naming convention followed in naming each artifact in the project is as follows:-
  TAWA_ConfigurationManagementPlan_V1.0
- Documents related to the same team are pushed to the branch dedicated to them
  -The source code (under development branch)
  -The test-cases (under testing branch)
  -All of the project work products and documents (under documents branch)

3.3 ARTIFACT LIFE CYCLE

The artifacts are created locally then pushed to the branch they belong to and after revision they're committed to the master branch.

3.4 CONFIGURATION CONTROL

- Each artifact should be revised before being pushed to the master branch.
- Creating a baseline should be permitted by the project manager.
- Change request must be approved by the project manager.
- Each change to an artifact or document should have a clear description.