

## Revision History

No	Version	Description	Created by	Created date	Reviewed by	Approved by	Approved date
1	1.0	Test plan for automating application Travel-Insurance	Thuan Nguyen	2019/3/14	Product Owner	Product Owner	
2							
3							
4							

## 1. Introduction

This Test plan documents and tracks the necessary information required to effectively define the approach to be used in testing application Travel Insurance.

## 2. Timeline

Milestone	Deliverables	Duration	Start Date	End Date
Create test plan	Test plan documents	2 days		
Review test plan	Test plan documents	0.5 days		
Review test cases	List of test cases to be automated regression	1 days		
Review needed libraries	List of libraries need to be used for automating	1 days		
Develop additional libraries for automating	Common libraries used in project	3 days		
Write test scripts	Test scripts	2 weeks		
Execute test scripts	Result of executions	2 days		
Review the result of executions	<ul style="list-style-type: none"><li>- List out pass/fail test cases</li><li>- List out reason causes of fail: product bug, script bug, test case being out of date</li></ul>	2 days		
<ul style="list-style-type: none"><li>- Update test scripts if needed</li><li>- Update test cases if needed</li></ul>	<ul style="list-style-type: none"><li>- Updated test scripts if any</li><li>- Updated test cases if any</li></ul>	2 days		
Re-execute test scripts	Result of executions	1 days		
Review and evaluate result of executions	Evaluation document	1 days		

### **3. Scopes**

#### **3.1 Scope:**

- a. UI test
- b. Test on both desktop and smartphone

#### **3.2. Features to be tested**

- a. Search
- b. Sort
- c. Filter

### **4. Testing strategy**

#### **4.1 Testing type:** Automated Regression Testing

#### **4.2 Style:** Keyword Driven

#### **4.3 Test Entry/Exit criteria:**

- a. All test cases pass
- b. Service operates stable on all platforms and browsers listed in item Resources.

### **5. Resources**

#### **5.1 Platforms:**

Windows, MacOS, iOS, Android

#### **5.2 Browsers:**

Chrome, Firefox, Safari

#### **5.3 Hardware**

- a. For developing test script: PC
- b. For testing: Android smartphones, Iphone

#### **5.4 Software**

- a. **Source code management:** github
- b. **CI:** Jenkins
- c. **Environments:** Windows 7 or above, MacOS 10 or above, Android 5 or above, iOS 7 or above
- d. **Programing languages:** Python 2.7 or Python 3
- e. **Libraries:** Selenium
- f. **Framework:** Robot framework and Robot framework IDE

#### **5.5 Employees:**

- a. Team lead, Tech lead
- b. Developers for writing test libraries
- c. Automation testers

## **6. Control Procedures**

### **6.1 Process**

- 1: Receive test case documents
- 2: Review test cases
- 3: Write test scripts
- 4: Execute test scripts
- 5: Evaluate execution results
- 6: Report

### **6.2 Bugs tracking**

- a. Evaluate bugs in regression automation
  - Priority: High, Medium, Low
  - Severity: Critical, Major, Medium, Low
- b. Procedure for reporting bugs

### **6.3 Bug review**

## **7. Risks**

- 7.1** The application operates on both mobile and desktop so the test may take too long time.
- 7.2** Difficulties in technical when execute automation test on mobile.
- 7.3** Test cases are out of date or test cases are not enough clear to understand. This will take time to investigate and update
- 7.4** Personnel: knowledge, experience, sick, personal stuff

## **8. Tools**

- a. Github
- b. Jenkins
- c. Jira
- d. Pycharm or Notepad ++
- e. Robot framework ID

## **9. Script architecture**

### **9.1 Project**

**9.1.1 Feature Search scripts**

**9.1.2 Feature Filter scripts**

**9.1.3 Feature Sort scripts**

**9.1.4 Browser profiles**

**9.1.5 Resources: Common parameters, common keywords, internal utils**

## **10. Approval**

**Persons who are responsible for approving test scripts and test results:**

**1. Reviewer 1:**

**2. Reviewer 2:**

**3. Reviewer 3:**

## **11. Delivery**

**11.1 Test case:** Attached

**11.2 Test scripts:** Attached

**11.3 Test results:** Attached

## **12. Reference documents**

**a. Test cases documents:** Attached

**b. Design documents:** Attached

**c. Usage document:** Attached