**Project Name**: Paperplane Website **Prepared by**: Adarsh Kumar Reddy Pidaparthy

**Plan Version**: 1.1 **Date:** 28-07-2016

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**Purpose:**

Paperplane website aims to provide travel planning service to users across the world.

**Scope:**

The scope of this project is to provide a travel planning website for Paperplane. The Android app has already been implemented, which the website should have similar features as the Android app.

The design of the website will be similar to the design of Android, but may not be exactly the same. Database and server management will be taken care by server team. The emphasis is only on front end website development. The main goal of this project would be development of a website which supports desktop, laptop and mobile browsers.

**1.3 Project Identification:**

The table below identifies the documentation and availability used for developing the test plan.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Document  (and version / date) | Created or Available  (Yes/No) | Received or  Reviewed  (Yes/No) | Author or Resource | Notes |
| Requirements Specification | Yes |  | Paperplane Website |  |
| Functional Specification | No |  |  |  |
| Use-Case Reports | Yes |  | Paperplane Website |  |
| Project Plan | No |  |  |  |
| Design Specifications | Yes |  | Paperplane Website |  |
| Prototype | Yes |  | Paperplane Website |  |
| User’s Manual | Yes |  | Paperplane Website |  |

**2.Test Approach:**

Testing will be carried in various stages with different types.

**2.1 Testing Stages: -**

**2.1.1 Unit Testing:**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Cond**  **#** | **Test Condition** | **Steps / Setup** | **Expected Result** | **Actual Result** | **Pass / Fail** |
| **1 Login Screen** | | | | | |
| 1.1 | To check whether the user can login successfully into the system | The user must enter right email ID and Password and click on the login button | The user logs into the system successfully. |  |  |
| 1.2 | To check whether the user can login to the system without entering a password or entered an incorrect password | The user must enter the email ID and click on the login button | The user cannot login to the system. |  |  |
| 1.3 | To check whether the user can login to the system without entering the email ID | The user must enter the password and click on the login button | The user cannot login to the system |  |  |
| 1.4 | To check whether the user can navigate to the reset password page by clicking on Forgot Password? button | The user must click on the Forgot Password? button | The user navigates to the reset password page successfully |  |  |
| 1.5 | To check whether the user can login to the website without entering an email id for Facebook login | The user must enter the email ID and click on the login button | The user cannot login to the system. |  |  |
| 1.6 | To check whether the user can login to the website without entering password for Facebook login | The user must enter the password and click on the login button | The user cannot login to the system. |  |  |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Registration** | | | | | |
| 2.1 | To check whether the user can register without entering his first name | The user must enter first name and click on the register button | The user cannot register to the website. |  |  |
| 2.2 | To check whether the user can register without entering his last name | The user must enter last name and click on the register button | The user cannot register to the website. |  |  |
| 2.3 | To check whether the user can register without entering his email id | The user must enter email id and click on the register button | The user cannot register to the website. |  |  |
| 2.4 | To check whether the user can register without entering his password and confirming it | The user must enter password and click on the register button | The user cannot register to the website. |  |  |
| **Itinerary** | | | | | |
| 3.1 | To check whether the user can plan a trip without entering his start date | The user must enter start date and click on the search button | The user cannot plan his trip. |  |  |
| 3.2 | To check whether the user can plan a trip without entering his end date | The user must enter end date and click on the search button | The user cannot plan his trip. |  |  |
| 3.3 | To check whether the user can plan a trip without entering his destination | The user must enter destination and click on the search button | The user cannot plan his trip. |  |  |
| **Settings** | | | | | |
| 3.1 | To check whether the user can plan a trip without entering his appropriate currency | The user must enter appropriate currency and click on the search button | The user cannot plan his trip. |  |  |
| 3.2 | To check whether the user can plan a trip without entering his preferences | The user must enter his preferences and click on the search button | The user cannot plan his trip. |  |  |
| 3.3 | To check whether the user can plan a trip without entering his default time format | The user must choose his time format and click on the search button | The user cannot plan his trip. |  |  |
| **Sending a message** | | | | | |
| 3.1 | To check whether the user can communicate with customer care without entering his first name | The user must enter first name and click on the send message button | The user cannot send a message |  |  |
| 3.2 | To check whether the user can communicate with customer care without entering his last name | The user must enter last name and click on the send message button | The user cannot send a message |  |  |
| 3.3 | To check whether the user can communicate with customer care without entering his email id and phone number | The user must enter email id and phone number and click on the send message button | The user cannot send a message |  |  |
| 3.4 | To check whether the user can plan a trip without entering his message description | The user must give message description and click on the send message button | The user cannot send a message |  |  |

**2.1.2 Integrated Testing:**

Integration testing will be done by integrating each screen with Services.

**2.1.3 System Testing:**

System testing will be done by all the teams of Paperplane (iOS, website & Services)

**2.1.4 Acceptance Testing:**

Acceptance Testing will be done by the client.

**2.2 Testing Types: -**

**2.2.1 GUI Testing:**

|  |  |
| --- | --- |
| Test Objective: | To test the user interface of the application. |
| Technique: | Manually |
| Completion Criteria: | The requirements of the client must be satisfied |
| Special Considerations: |  |

**2.2.2 Functional Testing:**

|  |  |
| --- | --- |
| Test Objective: | To test the functionality of the website |
| Technique: | Manually |
| Completion Criteria: | The requirements of the client must be satisfied |
| Special Considerations: |  |

**2.2.3 Performance Testing:**

**2.2.3.1 Performance Profiling:**

|  |  |
| --- | --- |
| Test Objective: | To test the performance of the website |
| Technique: | Manually |
| Completion Criteria: | The requirements of the client must be satisfied |
| Special Considerations: |  |

|  |  |
| --- | --- |
| Test Objective: | To test if the app is functioning right when the load is high |
| Technique: | Manually |
| Completion Criteria: | The requirements of the client must be satisfied |
| Special Considerations: |  |

**2.2.3.2 Load Testing:**

**2.2.5 Installation Testing:**

|  |  |
| --- | --- |
| Test Objective: | To test if the app is installed without an issue |
| Technique: | Manually |
| Completion Criteria: | The requirements of the client must be satisfied |
| Special Considerations: |  |

**3. Test Deliverables:**

The following are the test deliverables:

1. Test Plan

2. Test Case

3. Summary Report

4. Deployment Guide

5. Developer’s Manual

**4. Environmental Needs:**

|  |  |
| --- | --- |
| **Machine** | **Configuration** |
| Server | Google |
| Client | Website |

**4.1 Hardware:**

**4.2 Software:**

|  |  |  |  |
| --- | --- | --- | --- |
| **Machine** | **OS** | **Browser** | **Software Required for testing** |
| Server | Microsoft Windows | Any browser | Browser |
| Client | Microsoft Windows | Any browser | Website deployed in a browser |

**5. Staffing:**

**5.1 Responsibilities:**

|  |  |
| --- | --- |
| Test Plan | Adarsh Kumar Reddy Pidaparthy |
| Test Case | Adarsh Kumar Reddy Pidaparthy, Sai Raj Kiran Kandula |
| Manual Testing | Vamshinath Nallamothu, Hima Teja Gutta, Bhanu Teja Kurucheti |
| Automated Testing | N/A |

**6. Dependencies/Risks:**

All the services must be given by Paperplane web services team, which should be running to test the app.

**7. Schedule and Milestones:**

**7.1 Schedule:**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Testing Type** | **Unit Testing** | | | **Module Testing** | | | **System Testing** | | |
| **GUI** | **Functional** | **Perform-**  **ance** | **GUI** | **Functional** | **Performance** | **GUI** | **Functional** | **Perform-**  **ance** |
| **Schedule Date** |  |  |  |  |  |  |  |  |  |

**7.2 Milestones:**

|  |  |
| --- | --- |
| **Module Name** | **Release Date** |
|  |  |
|  |  |

**8. Approvals:**

|  |  |  |
| --- | --- | --- |
|  | **Project Manager** | **Quality Manager** |
| **Name** | **Nicholas** | **Adarsh Kumar Reddy Pidaparthy** |
| **Signature** |  |  |