Test Plan Template:

WinterHasCome(WeatherApp)

Prepared by:

Prashanth Murali

10/02/2016

TABLE OF CONTENTS

11.0 Resources/Roles & Responsibilities

12.0 Schedules

13.0 Significantly Impacted Departments (SIDs)

14.0 Dependencies

15.0 Risks/Assumptions

16.0 Tools

17.0 Approvals

1.1 INTRODUCTION

The weatherapp is used to provide weather data such as temperature, sunrise time, sunset time, wind direction, current conditions for the location of the user's choice. The app allows the User to enter the location i.e town or city for which they require the weather data. The app is designed to perform the data collection operations in the background method which reduces the load on the target android device.

2.0 OBJECTIVES AND TASKS

2.1 Objectives

The test cases aim to verify the functionality of the Weatherapp by observing the outputs for various inputs.

2.2 Tasks

First the major functionality, that is, getting input from the user and getting the weather data for said input is verified. Secondly, invalid input is fed to the app to analyze its behavior.

3.0 SCOPE

General

The major functionality of the app, that is parsing the JSON file and displaying the user's desired output is tested.

Tactics

First valid input is fed to the app and the output is verified. Then the behavior of the app in case of invalid input is tested.

4.0 TESTING STRATEGY

4.1 Integration Testing

After integrating all the required classes, the classes are integrated together and the data flow from the server to the client is verified. Black box testing is performed using equivalence partitioning. Valid and invalid inputs are fed to the app and the behavior of the app under failure conditions is tested.

4.2 Manual Testing

Manual testing is used for testing the application. Each individual functionality of the application is individually tested.

5.0 HARDWARE REQUIREMENTS

Android Mobile Device
For Development and testing,
Processor – i7
RAM – 6GB

6.0 ENVIRONMENT REQUIREMENTS

The Android device running the app must be running on Android 6.0.1 or higher in order for the app to work.

7.0 TEST SCHEDULE

Manual testing is to be performed from 2nd of November.
Integration testing is to be performed from 3rd of November.

8.0 CONTROL PROCEDURES

When the errors are identified, corrective measures are proposed and will be implemented in the next increment.

9.0 FEATURES TO BE TESTED

The major functionality of the app, that is parsing the JSON file and displaying the user's desired output is tested. First valid input is fed to the app and the output is verified. Then the behavior of the app in case of invalid input is tested.

10.0 TEST SCRIPTS

	Test Case 1
Use Case Tested:	Search City name Feature
Test Description:	The name of a valid city will be entered in the Search field.
Pre-conditions	App should be open and running
Post-conditions	Display the weather conditions in the required city
Notes:	User Should Enter valid City name
Result (Pass/Fail/Warning/Incomplete)	**Pass**

	TEST STEP	EXPECTED TEST RESULTS	P	F
1.	Valid City Name	Return Weather	P	P
2.	Invalid City Name	Return Weather of Random City	P	P
3.	City Name with Spaces	Return Weather of City	P	P