TESTING DOCUMENT

Project of Software Engineering 2

WEATHER-CAL

Authors:

PAOLO POLIDORI

MARCO EDEMANTI

Contents

Chapter 1

Introduction

1.1 System Overview

WeatherCal it's a Web application that allows the registered users to manage their schedule basing on the weather conditions. The users are also able to invite people to their event and to publicize their event. The system is even capable of notifying the users, as they log on to the system, if the weather forecast for the event is not the desired one. The target of this software is, therefore, to give the users a tool for schedule their events smartly, giving the possibility to change preferences as the weather forecast changes.

1.2 Purpose

This document describes the plan for testing the developed system against the user requirements defined in requirements document. So the purpose of this acceptance test is to make sure that the project complies with the requirements of requirement documents.

1.3 Scope

This document includes the plan, items, scope, approach, environment and procedure of BookEasy acceptance test. After that, the responsibilities of developers and user representatives are identified. At last, risks and contingencies are specified to ensure the test reliability. Other information not related to the test activities is not included in this document. The document is addressed to either the team members,the stakeholder and the course staff.

1.4 Document Organization

The document is structured as follows

- *Introduction*, describes contents of this guide, used documentation during developing process etc.
- *Testing* describes the items to be tested.
- *Testing Case and Specifications*, describes the test cases and their specifications.

1.5 References

Requirement Analysis and Specification Document WeatherCal , Paolo Polidori,Edemanti Marco.

Design Document WeatherCal , Paolo Polidori,Edemanti Marco.

Chapter 2

Testing

In this section we report all the test case result according to the functional requirements specified in RASD document.

2.1 Features to be tested

Test Case Id	**Description**
TC1	Log In/Out
TC2	User Registration
TC3	Event Creation
TC4	Event Management
TC5	Manage Event Visibility
TC6	Manage Calendar Visibility
TC7	Search an user
TC8	Notify bad weather condition
TC9	Suggest the closest day with the desired weather constraint

2.2 Test Report and Specification

Test cases and their results are going to be documented as follows

Test Case Id	The ID or the number of the test case
Goal	Description of the test case
Actors Involved	The actors of this test case
Precondition	The state of the system at the time the test starts
Main Path	List of steps that needs to be applied for this test case
Possible Errors	List of errors that can occur in this test case
Expected Result	The result that should be observed from a succesfull test
Actual Result	The result which is observed after applying the test steps
Conclusion	F: Failed, N: Not tested, S: Succesful, M: manually tested

Chapter 3

Test Case

3.1 Log In/Out

Test Case Id	TC1
Goal	Log in to or out from the system
Actors Involved	Registered User, System
Precondition	To be a registered user
Main Path	1. User fills the login form with its credentials 2. User submits its information 3. System verifies the user's credentials
Possible Errors	1. User submits wrong credentials
Expected Result	The system redirects the user to its home page
Actual Result	The system redirects the user to its home page
Conclusion	M

3.2 Sign In

Test Case Id	TC2
Goal	Sign in to system
Actors Involved	Anonymous User,Registered User, System
Precondition	None
Main Path	1. Anonymous User fills the register form with its credentials 2. Anonymous User submits its information 3. System verifies the submitted user's credentials 4. System creates a new Registered User
Possible Errors	1. User submits wrong credentials
Expected Result	The system creates a new Registered User and its associated calendar
Actual Result	The system creates and new Registered User and its associated calendar
Conclusion	M

3.3 Event Creation

Test Case Id	TC3
Goal	Create new event
Actors Involved	Registered User, System, Event
Precondition	To be logged in
Main Path	1. Registered User clicks the "create new event" button 2. System redirects him to the "create event" page 3. User changes event information 4. System validates the submitted values and create a new Event
Possible Errors	1. User inserts wrong event's information. 2. System doesn't store correctly the event
Expected Result	The system creates a new Event and notify all of its participant
Actual Result	The system creates a new Event and notify all of its participant
Conclusion	M

3.4 Event Management

Test Case Id	TC4
Goal	Modify or delete a existing event
Actors Involved	Registered User, System, Event
Precondition	To be logged in, to be the owner of the event
Main Path	1. Registered User select an event 2. System allows him to modify the event if and only he's its owner 3. User changes event information 4. System validates the new submitted values and modify the Event
Possible Errors	1. User inserts wrong event's information. 2. System doesn't store correctly the event
Expected Result	The system modifies the event's information
Actual Result	The system modifies the event's information
Conclusion	M

3.5 Event Visibility

Test Case Id	TC5
Goal	Modify the visibility of a existing event
Actors Involved	Registered User, System, Event
Precondition	To be logged in, to be the owner of the event
Main Path	1. Registered User selects an event 2. System allows him to modify the event if and only he's its owner 3. User changes event visibility 4. System changes the visibility of the event according to the user will.
Possible Errors	1. System doesn't change the visibility
Expected Result	The system modifies the event visibility
Actual Result	The system modifies the event visibility
Conclusion	M

3.6 Calendar Visibility

Test Case Id	TC6
Goal	Modify the visibility of the user calendar
Actors Involved	Registered User, System
Precondition	To be logged in, to be the owner of the calendar
Main Path	1. Registered User changes calendar visibility 2. System changes the visibility of the calendar
Possible Errors	1. System doesn't change the calendar visibility
Expected Result	The system modifies the calendar visibility
Actual Result	The system modifies the calendar visibility
Conclusion	M

3.7 Calendar Visibility

Test Case Id	TC7
Goal	See other user calendar
Actors Involved	Registered User, System
Precondition	To be logged in
Main Path	1. Registered User searches for other user 2. System redirects the user to the searched user calendar if and only if it is public 3. System loads into the searched calendar only the public event
Possible Errors	1. User searches an invalid user 2. System does not found the searched user
Expected Result	The system correctly shows the calendar an it public event associated
Actual Result	The system correctly shows the calendar an it public event associated
Conclusion	M

3.8 Notify bad weather condition

Test Case Id	TC8
Goal	Notify in case of bad weather condition
Actors Involved	Registered User, System
Precondition	To be logged in, to be a participant or the owner of the event
Main Path	1. System fetches the weather condition for the closest scheduled event 2. If the condition does not match with the one specified by the event then notify the owner and all its participant
Possible Errors	1. System doesn't notify the participant 2. System does not get the right weather condition
Expected Result	The system notifies the participant and the owner
Actual Result	The system notifies the participant and the owner
Conclusion	M

3.9 Suggest closest day

Test Case Id	TC8
Goal	Suggest the closest day that suits the event weather constraint in case of bad weather condition
Actors Involved	Registered User, System
Precondition	To be logged in, to be the owner of the event
Main Path	1. System fetches the weather condition for the closest event 2. If the condition does not match with the one specified by the event then notify the owner and all its participant 3. The owner gets notify and the system will suggest the closest day that match the event preferences
Possible Errors	1. System doesn't notify the owner 2. System does not suggest the closest available day
Expected Result	The system notifies and suggest the owner
Actual Result	The system notifies and suggest the owner
Conclusion	M

Time reporting

	Paolo Polidori	**Marco Edemantin**
DD writing	35 hours	28 hours

List of Figures