

# ACCEPTANCE TESTING REPORT

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February 8, 2015

# Contents

<b>1</b>	<b>Introduction</b>	<b>2</b>
<b>2</b>	<b>Tests</b>	<b>3</b>
2.1	User registration . . . . .	3
2.2	User login . . . . .	4
2.3	User logout . . . . .	4
2.4	Event creation . . . . .	5
2.5	Event modification . . . . .	6
2.6	Modified event notifications . . . . .	7
2.7	Adding invitations . . . . .	7
2.8	Event deletion . . . . .	8
2.9	Changing invitation status . . . . .	8
2.10	Check event participants . . . . .	9
2.11	Check calendar . . . . .	10
2.12	Bad weather alert . . . . .	10
<b>3</b>	<b>Conclusions</b>	<b>11</b>
<b>4</b>	<b>Informations</b>	<b>12</b>
4.1	Effort . . . . .	12
4.2	Tools used . . . . .	12

# 1 Introduction

In this document we describe the tests executed on another project and we report the obtained results. We report some brief conclusions after the tests description.

The tested project is the following

<https://code.google.com/p/meteocal-scalia/>

In performing the tests we were aided by the documentation published by the developer and in particular by the *Testing Cases* document.

Every test will have the following sections

- **Goal:** what should be achieved
- **Environment:** where the test takes place
- **Input:** the inputs given to the system
- **Expected output:** what we expected as output
- **Obtained output:** what we got as output
- **Exceptions:** exceptions raised by the system on wrong inputs or statuses
- **Notes/Errors:** eventual notes on the test or errors discovered while performing the test

## 2 Tests

### 2.1 User registration

<b>Goal</b>	Registration to the service
<b>Environment</b>	The registration page
<b>Input</b>	Username, email, password, confirmation password, name, surname, city, state, address, telephone
<b>Expected output</b>	The new user has been registered and redirected to the login page
<b>Obtained output</b>	As above
<b>Exceptions</b>	<ul style="list-style-type: none"><li>• Mandatory fields have not been filled. The system does not proceed with the registration and shows the message "May not be empty".</li><li>• Fields have been filled incorrectly. The system does not proceed with the registration and shows appropriate messages.</li><li>• The username already exists. The system does not proceed with the registration and prompts the user to choose another username.</li><li>• Passwords mismatch. The system does not proceed with the registration. The user needs to input the passwords again.</li></ul>
<b>Notes/Errors</b>	<ul style="list-style-type: none"><li>• Some fields are not length restricted, this causes database exceptions (e.g. the username is too long)</li><li>• Asterisks are not visible on mandatory fields, this might be a configuration/platform problem as they are clearly visible on the provided <i>User guide</i></li></ul>

## 2.2 User login

<b>Goal</b>	Accessing the service
<b>Environment</b>	The login page
<b>Input</b>	Username and password
<b>Expected output</b>	The user has been authenticated and redirected to his personal page
<b>Obtained output</b>	As above
<b>Exceptions</b>	<ul style="list-style-type: none"><li>• Mandatory fields have not been filled. The system does not proceed with the authentication.</li><li>• Fields have been filled incorrectly. The system does not proceed with the authentication and shows the "Login failed" message.</li></ul>
<b>Notes/Errors</b>	None

## 2.3 User logout

<b>Goal</b>	Leaving the service
<b>Environment</b>	Any page with the top menu bar
<b>Input</b>	Clicking the "Logout" button
<b>Expected output</b>	The user was logged out and redirected to the login page
<b>Obtained output</b>	After logging out the user is redirected to the homepage from which he can reach the login page
<b>Exceptions</b>	None
<b>Notes/Errors</b>	Clicking too early on the "Go to your personal home page" link brings the user back to his personal page as if he has not logged out

## 2.4 Event creation

<b>Goal</b>	Create an event
<b>Environment</b>	Event creation page
<b>Input</b>	Name, place, address, country, city, start event, end event, type, invited users, temperatures, weather conditions
<b>Expected output</b>	The event was created and the user was redirected to his personal page
<b>Obtained output</b>	As above, but the event starting hour on the schedule does not take into account time zones and is shifted back by one hour
<b>Exceptions</b>	<ul style="list-style-type: none"><li>• Mandatory fields have not been filled. The system does not proceed with the event creation.</li><li>• Fields have been filled incorrectly. The system does not proceed with the event creation and shows appropriate messages.</li></ul>
<b>Notes/Errors</b>	<ul style="list-style-type: none"><li>• Some fields are not length restricted, this causes database exceptions (e.g. the event name is too long)</li><li>• Min and max temperature fields accept arbitrary numerical input resulting in cases like -Infinity and Infinity that generate database exceptions</li></ul>

## 2.5 Event modification

<b>Goal</b>	Modify an event
<b>Environment</b>	Event page
<b>Input</b>	Name, place, address, city, start event, end event, type, invited users, temperatures, weather conditions
<b>Expected output</b>	The event was updated and the event page displays now the new informations
<b>Obtained output</b>	As above
<b>Exceptions</b>	<ul style="list-style-type: none"><li>• Mandatory fields have not been filled. The system restores the previous values.</li><li>• Fields have been filled incorrectly. The system does not proceed with the event update and shows appropriate messages.</li></ul>
<b>Notes/Errors</b>	<ul style="list-style-type: none"><li>• Some fields are not length restricted, this causes database exceptions (e.g. the event name is too long)</li><li>• If no bad weather condition was set in the event creation phase or in a previous update, it is necessary to save the event before being able to modify the bad weather conditions</li></ul>

## 2.6 Modified event notifications

<b>Goal</b>	Receive a notification for an event that has been updated
<b>Environment</b>	Any page with the top menu bar; participant users perspective
<b>Input</b>	A owner has modified an event
<b>Expected output</b>	Update notifications have been sent to all the participants and are listed as pending in the notification bar.
<b>Obtained output</b>	As above
<b>Exceptions</b>	None
<b>Notes/Errors</b>	Update notifications are sent on pressing the "Save Changes" button even if no actual update was made to the event by the owner

## 2.7 Adding invitations

<b>Goal</b>	Add other users to the invited users
<b>Environment</b>	Event page
<b>Input</b>	The event owner selects new users to invite to his event
<b>Expected output</b>	Invitations have been sent to all the participants and are listed as pending in the notification bar.
<b>Obtained output</b>	As above
<b>Exceptions</b>	None
<b>Notes/Errors</b>	None



## 2.8 Event deletion

<b>Goal</b>	Deleting an event
<b>Environment</b>	Event page
<b>Input</b>	Clicking on "Delete event" and confirming the intent
<b>Expected output</b>	The event is removed from the participants' calendars and the invites are removed. The event page displays that the event has been deleted if accessed after the deletion happened
<b>Obtained output</b>	As above
<b>Exceptions</b>	None
<b>Notes/Errors</b>	If the owner keeps two pages open with the same event and deletes the event through one page he can then bring it back saving/updating the event in the other page

## 2.9 Changing invitation status

<b>Goal</b>	Accepting or declining an invitation to an event
<b>Environment</b>	User page
<b>Input</b>	Clicking on the button to the right of the name of the event in the "My invitations" panel
<b>Expected output</b>	The event is added/removed from the invited user's calendar. The invitation status is updated. The number of participants is updated
<b>Obtained output</b>	As above
<b>Exceptions</b>	None
<b>Notes/Errors</b>	The organizer's name in the hover text for the invitation is always the viewing (logged in) user and not the real organizer

<b>Goal</b>	Accepting or declining an invitation to an event
<b>Environment</b>	Event page
<b>Input</b>	Clicking on the button in the "My invitation" panel
<b>Expected output</b>	The event is added/removed from the invited user's calendar. The invitation status is updated. The number of participants is updated
<b>Obtained output</b>	As above
<b>Exceptions</b>	None
<b>Notes/Errors</b>	None

## 2.10 Check event participants

<b>Goal</b>	Checking the user who will be attending an event
<b>Environment</b>	Event page, owner view
<b>Input</b>	None
<b>Expected output</b>	The event participants and invitees are listed in the "Invitations" panel
<b>Obtained output</b>	As above
<b>Exceptions</b>	None
<b>Notes/Errors</b>	None

## 2.11 Check calendar

<b>Goal</b>	Checking personal schedule
<b>Environment</b>	User page
<b>Input</b>	Loading the user page or clicking on the "Main page" button in the top menu bar
<b>Expected output</b>	The user can see and browse his schedule and can also add (remove) events accepting (declining) pending (accepted) invitations. The user can eventually access the event page by clicking on the event
<b>Obtained output</b>	As above
<b>Exceptions</b>	None
<b>Notes/Errors</b>	The events' starting hour on the schedule does not take into account time zones and is shifted back by one hour (already noted in Event creation)

## 2.12 Bad weather alert

<b>Goal</b>	Alerting a participant for bad weather on an event
<b>Environment</b>	Any page with the top menu bar
<b>Input</b>	None
<b>Expected output</b>	The user attending an outdoor event with bad weather conditions is notified of the fact through a notification in the notification bar 24 hours before the event starts
<b>Obtained output</b>	As above
<b>Exceptions</b>	None
<b>Notes/Errors</b>	The attending users must have accepted the invite at least 24 hours before the event starting time to receive the bad weather notification

### **3 Conclusions**

The tested project is functional and absolves all the major requirement. Some more focus should be put towards input validation and minor fixes should be made to the user page.

We would like to note that some errors or some glitches might be caused by different configurations or platforms and not necessarily by the project code itself.

## 4 Informations

This section does not pertain the tested application but it's intended as a small report of the Acceptance Testing phase itself.

### 4.1 Effort

As of February 8, 2015 approximately **15 hours** have been spent during the Acceptance Testing phase.

### 4.2 Tools used

**Texmaker 4.1** to write this document.

<http://www.xmlmath.net/texmaker/>

**Glassfish Server 4.1** to deploy the tested MeteoCal application.

<https://glassfish.java.net/>

**Firefox** to access and test the application.

<https://mozilla.org/firefox>

**Chromium** to access and test the application.

<https://www.chromium.org/Home>

**Opera** to access and test the application.

<http://www.opera.com/it>