



SOFTWARE ENGINEERING PROJECT



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1 INTRODUCTION

1.1 PURPOSE

The purpose of this document is to report the acceptance testing performed on the Mkhatvari-Xia version of MeteoCal. MeteoCal is a platform that has to be developed as part of software engineering course.

1.2 SCOPE

The scope of the acceptance testing is the implementation of the MeteoCal platform provided by the group composed by Mkhatvari and Xia. Tests will be performed in a black box approach. The tests are based on the RASD document and the testing document drafted by the already mentioned group.

1.3 REFERENCES

- MeteoCal Project Description, available on BeeP on the Software Engineering II course page.
- Software Engineering II course teaching material, available on BeeP on the course page.
- Documentation of the project available at: <https://code.google.com/p/calendario-mkhatvari-xia>

1.4 OVERVIEW

The first section contains the introduction.

In the second section there are a series of relevant test cases.

The third section contains some final observation about the project.

2 TEST CASES

2.1 REGISTRATION

Goal	Registration of a new user in the system
Environment	Registration Page
Input	Name, email and password.
Expected Output	User correctly registered to the system
Output	User registered and login page reloaded
Test Result	If all data are correct the system works as expected. If the email is already registered the system prevent the registration. On the contrary, the system should prevent the registration, but that doesn't happen, in fact the user is registered.

2.2 LOGIN

Goal	Login into the platform
Environment	Home Page
Input	Username and Password
Expected Output	User home page
Obtained Output	The user is logged in in his home page.
Notes	<ul style="list-style-type: none">•
Test Results	The System works as expected. If the user provides incorrect data the system prevent the log in showing an error message, otherwise the user's home page is loaded.

2.3 CREATION OF AN EVENT

Goal	Create an event
Environment	User Home Page
Input	Event's information: name, description, beginning of the event, ending of the event, outdoor/indoor, privacy of the event (public/private), city, address and invited people.
Expected Output	Event added to the schedule
Obtained Output	The event is correctly added to the schedule
Test Results	The System works as expected. If the user provides incorrect data the system prevent the creation of the event, showing an error message. Minor bug is the possibility of the creation of events in the past.

2.4 MODIFICATION OF AN EVENT

Goal	Modify an event
Environment	User Home Page
Input	Event's information: name, description, beginning of the event, ending of the event, outdoor/indoor, privacy of the event (public/private), city, address and invited people.
Expected Output	Event modified and notification sent
Obtained Output	The event is correctly modified and the notification sent.
Test Results	The System works as expected. If the user provides incorrect data the system prevent the modification of the event, showing an error message. Bug: if the user saves an event with invites, even if no change has been made, the event is removed from the invited users calendars and a new invite is sent.

2.5 DELETION OF AN EVENT

Goal	Delete an event
Environment	User Home Page
Input	Click on delete button
Expected Output	Event removed from the schedule
Obtained Output	The event is correctly removed from the schedule
Test Results	The System works as expected.

2.6 RETRIEVING FORECAST INFO

Goal	Retrieving forecast info.
Environment	Event info form.
Input	Event's data.
Expected Output	Event's day and location's forecast.
Obtained Output	The system provides the forecast.
Notes	<ul style="list-style-type: none">• No weather forecast for indoor events: the system disables this function;• City is not well written or doesn't exist: the system in this case is quite "smart" and usually gets an existing city similar to the searched one, but sometimes it fails;
Test Results	The System works as expected, the only minor bug seems to be that if an event is scheduled for midnight the forecast is related to the previous day.

2.7 WEATHER NOTIFICATION

Goal	Getting weather notification for incoming events with bad weather condition.
Environment	Notification Inbox.
Input	The event is present in the calendar.
Expected Output	Notification about an event in case of bad weather condition, 72 hours before for the organizer and 24 hours before for the participants. The organizer will receive also a range of suggested sunny days with the same range of the previously organized event.
Obtained Output	The system provides the wanted notifications.
Test Results	The system work as expected, even when a new event is created within the 72 hours range the notification is sent

2.8 REPLY TO AN INVITATION

Goal	Reply to an invitation request.
Environment	Inbox page
Input	Event informations
Expected Output	Accept or decline the invitation, system stores the result.
Final Output	The system reloads the page where we started from. The result displayed on the calendar as appointment if it has been accepted otherwise nothing displayed.
Test Results	The invitation reply system works but a reply notification for the sender would be more user friendly.

2.9 SEARCH AN USER CALENDAR

Goal	Search an user calendar.
Environment	Any page on the top bar.
Input	A random username which is already contained in the database .
Expected Output	The searched user's calendar.
Obtained Output	The searched user's homepage.
Test Result	Everything works as it should.

2.10 SET CALENDAR OR EVENT PRIVACY

Goal	Set privacy.
Environment	Profile configuration or event creation..
Input	Setting the privacy field to private or public.
Expected Output	The request is successfully fulfilled, and persisted.
Obtained Output	The Privacy setting is succesfully changed.
Test Result	The system works as expected, except for the bug already discussed in Event Modification.

3 QUALITY REMARKS

- **RASD incongruences:** There are some minor differences between what declared in the RASD and what really implemented. For example, in the RASD was stated that no overlapping event can be created, but the system allows this behavior. According to the RASD document, the system should provide a link to recover a forgotten password; no such link is present. According to the use case named “Check inbox” a copy of the notification should be sent to the user email, but that doesn’t happen.
- **Major bugs:** One major bug is that the system allows the registration without inserting a password, making the account unusable because every time the user tries to register again the system shows an error message. Another pretty annoying bug is the one about the invitations discussed in the Event Modification Use Case.
- **Non functional requirements:** if there are a lot of events scheduled, the system seems to be a bit slow, probably because the weather conditions of each event are checked too frequently.

Anyway the system works and the experience is quite smooth.