



METEOCAL PROJECT

MeteoCal: Other Project's Acceptance Testing

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Chapter 1

Testing of meteocal (Brancato-Schiavi)

We are sorry to inform you that we found many errors in this project, we are doing things in good faith only to help the other group to acknowledge their error and try to be prepared for the Project presentation. We will add some screen shot of how we see the various parts of the applications, and we also will publish the war we used to test it (the one updated on the 25/01/2015)

In the document we made a list only of all the problems we found divided in sections, we found three types of problems:

- the element with the label "**SEVERE PROBLEM**" are problem very severe, that violate the indication in the project description.
- the element with the label "**PROBLEM**" are problems that does not violate the indication in the project description but that we think that are quite severe.
- the element with the label "**NOTE**" are little problems that can lead the users to misunderstand something.

1.1 Documents Problems

- **NOTE** In the guide: when the guide says to change the Values of the default ones of the Additional properties of the JDBC Connection Pools, the user and password field is wrong (obviously), the guide said to insert "root" and "root" but it must be the user and the password of the root, it could be explained, because a newbie could not see this error.
- **NOTE** in the user guide they said that the buttons are on the right, but they are on the left in the images, writing error (also in add event?).
- **SEVERE PROBLEM** There isn't a Testing Document, we could not know what have been tested so far, and what is not, so doing this is a greater effort for us.
- **SEVERE PROBLEM** There isn't an Automatic Testing Class.

1.2 General Problems

- **PROBLEM** in our resolution (1366x768 or bigger) using chrome or firefox, the buttons are not on the left but on the top, also there are no matches between the images in the guide and the real project (i think there is some mistake with css)
- **PROBLEM** Without an Internet Connection the program will crash when creating an event, showing an EJBException. Here the report:

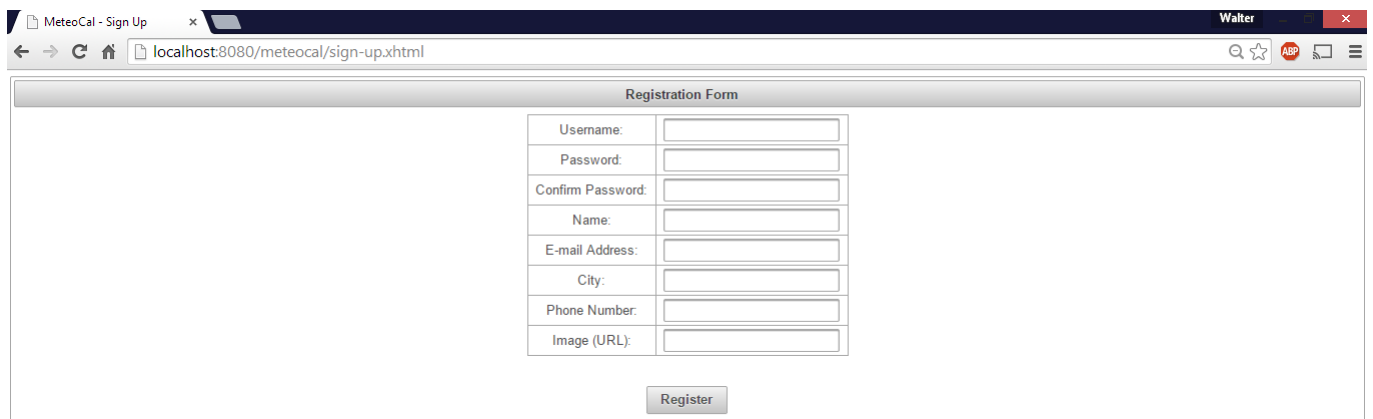
```
HTTP Status 500 - Internal Server Error

type Exception report
message Internal Server Error
description The server encountered an internal error that prevented it from fulfilling this request.
exception
javax.servlet.ServletException: javax.ejb.EJBException
root cause
javax.faces.el.EvaluationException: javax.ejb.EJBException
root cause
javax.ejb.EJBException
root cause
javax.ws.rs.ProcessingException: java.net.UnknownHostException: api.openweathermap.org
root cause
java.net.UnknownHostException: api.openweathermap.org
note The full stack traces of the exception and its root causes are available in the GlassFish Server Open Source Edition 4.1 logs.

GlassFish Server Open Source Edition 4.1
```

Figure 1.1: Error log

1.3 Registration



The screenshot shows a web browser window with the title 'MeteoCal - Sign Up' and a single tab. The address bar displays 'localhost:8080/meteocal/sign-up.xhtml'. The browser's user interface includes a search icon, a star icon, and a red 'ABP' extension icon. The main content area features a registration form with the following fields:

Registration Form	
Username:	<input type="text"/>
Password:	<input type="password"/>
Confirm Password:	<input type="password"/>
Name:	<input type="text"/>
E-mail Address:	<input type="text"/>
City:	<input type="text"/>
Phone Number:	<input type="text"/>
Image (URL):	<input type="text"/>

Below the form is a 'Register' button.

Figure 1.2: Sign Up Page

- **NOTE** In the registration page (also in the manual) the mandatory fields are not specified until a User made an input error.

1.4 Main Page and Calendar View

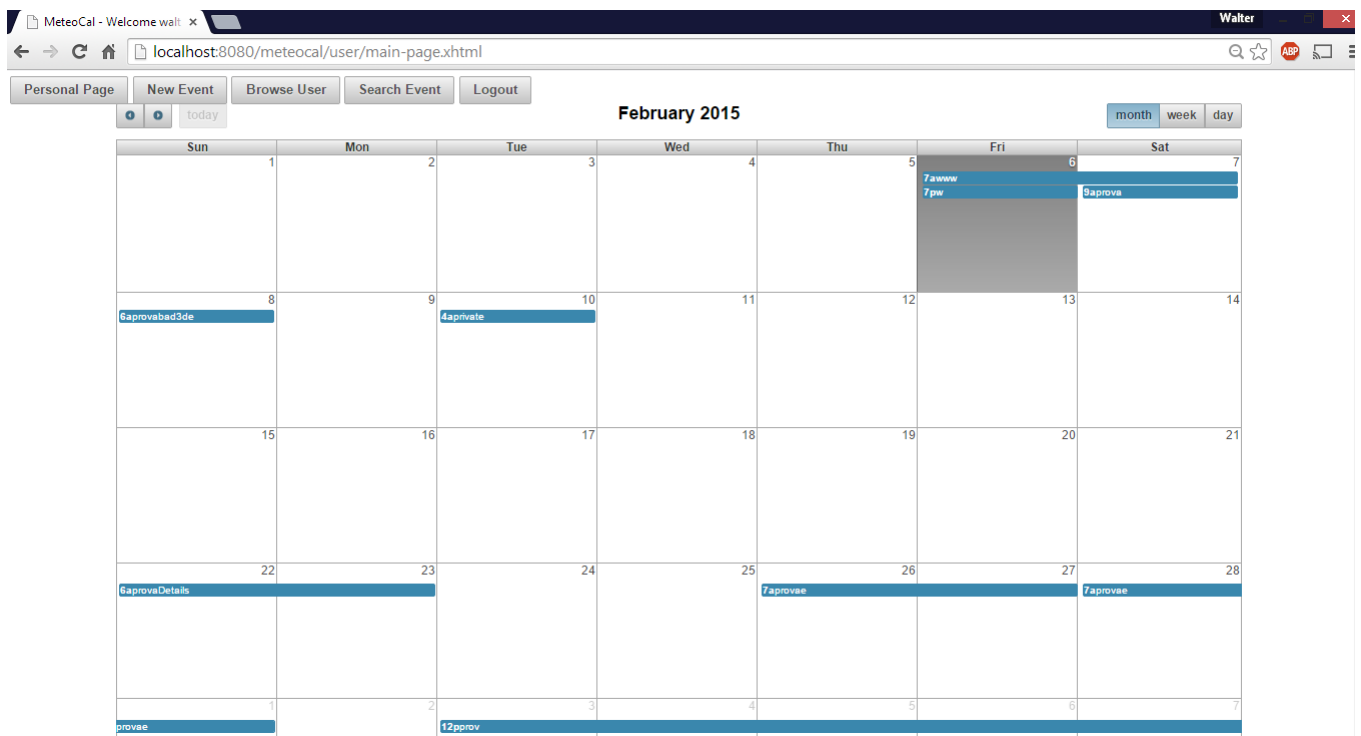


Figure 1.3: Home Page: Calendar and buttons

- **NOTE** The event shown in the calendar can be dragged and move they in other days, this is just a graphic problem, and when we go back to the home page the positions of the events are correct.
- **PROBLEM** If i reload the Main Page, i will be redirected to the guest page and i can't enter with my username and password, i have to rewrite the URL of the home page.
- **PROBLEM** If an event is updated the old event is not deleted in the view of the calendar (although if it doesn't appear in search event).
- **NOTE** By clicking on an event or on a day, the details of the day/event (title and starting/ending date) have to be displayed, but often the fields are empty and often only a logout followed by a login solve the issue, but sometimes the problem remains.
- **NOTE** Only The invitations list and bad weather list are "explained" in the user guide, the cancellation list and modification list are not explained. (We find out that modifications tell us that one event is modified, but it did not say what have been modified, the cancellation list is specified in the rasd).
- **PROBLEM** sometimes when creating a new user, it was added to the calendar events from another calendar.

1.5 Personal Page

My Personal Page x Walter

localhost:8080/meteocal/user/personal-page.xhtml

Personal Informations

Username:	walter
Name and surname:	provaprova
Email:	prova@prova.prova
City:	milano
Phone Number:	334-5454323
Avatar:	avatarprova
Privacy Level:	true

Modify Delete User

Modify Privacy

• [BACK TO YOUR MAIN PAGE](#)

Figure 1.4: Personal Page

- **NOTE** if i try to modify the privacy no message is shown but the privacy will be changed and we will be redirected to the main page.

1.6 Browse User

- **NOTE** If you search for a user you can't see its own events unless you add his events in your own calendar
- **SEVERE PROBLEM** if you add the other user's events in your calendar and you delete them, you will delete the real event, every people that can access to your events can delete them as they wish. (**NOTE** if you delete the private ones they remain in the view of your calendar, but they have been really deleted).
- **NOTE** You can add the events of the other people to your calendar, as many times as you wish.
- **SEVERE PROBLEM** You can see the details also of the private events of other users if you search for them.
- **NOTE** I can add my events to my own calendar if i search for myself.

1.7 Search Event

- **NOTE** if an event searched last for more than 1 day i will find it only choosing the initial date of it, otherwise it is not displayed.
- **NOTE** There is not a redirect to the homepage.

1.8 Event Modification and Deletion

- **PROBLEM** We can't add (or modify) bad weather when doing update of an indoor (or outdoor) event.
- **NOTE** There is not a redirect to the homepage.

1.9 New Event

The screenshot shows a web browser window with the address bar displaying 'localhost:8080/meteocal/user/main-page.xhtml'. The page title is 'Create a New Event'. The main content area is titled 'New Event Details' and contains a form with the following fields:

- Name:
- Description:
- Starting Date:
- Starting Time: *
- Ending Date:
- Ending Time: *
- Place: *
- Location Type: * ☒ Indoor ☐ Outdoor
- What has to be considered bad Weather? (Only for outdoor events):
 - ☐ Thunderstorm ☐ Drizzle ☐ Rain
 - ☐ Snow ☐ Atmosphere ☐ Clouds
 - ☐ Extreme
- Privacy Level: * ☐ Public ☒ Private
- Participants:

An 'Add Event' button is located at the bottom left of the form.

Figure 1.5: New Event Page

- **NOTE** There is not a redirect to the homepage.
- **PROBLEM** The Meaning of all the elements in the Bad Weather field, is not explained, neither in all the documents and also it is not specified how the system will check it.
- **PROBLEM** if i manually insert an ending date before a starting date the system allow me to do it
- **PROBLEM** i can't add an event that is today after the current time (control only on the date)

1.10 Event Modification and Deletion

- **NOTE** Every time i logout and log in again, all the other people's events that i decide to add to my calendar disappear.
- **SEVERE PROBLEM** If an User accept an invitation, this user disappear from the list of Participant, instead, when he refuse he remains in the Participant list (RASD specifications indicates the contrary).
- **PROBLEM** the previous problem will generate another problem, the creator can't know what people will participate to the event.

1.11 Notifications

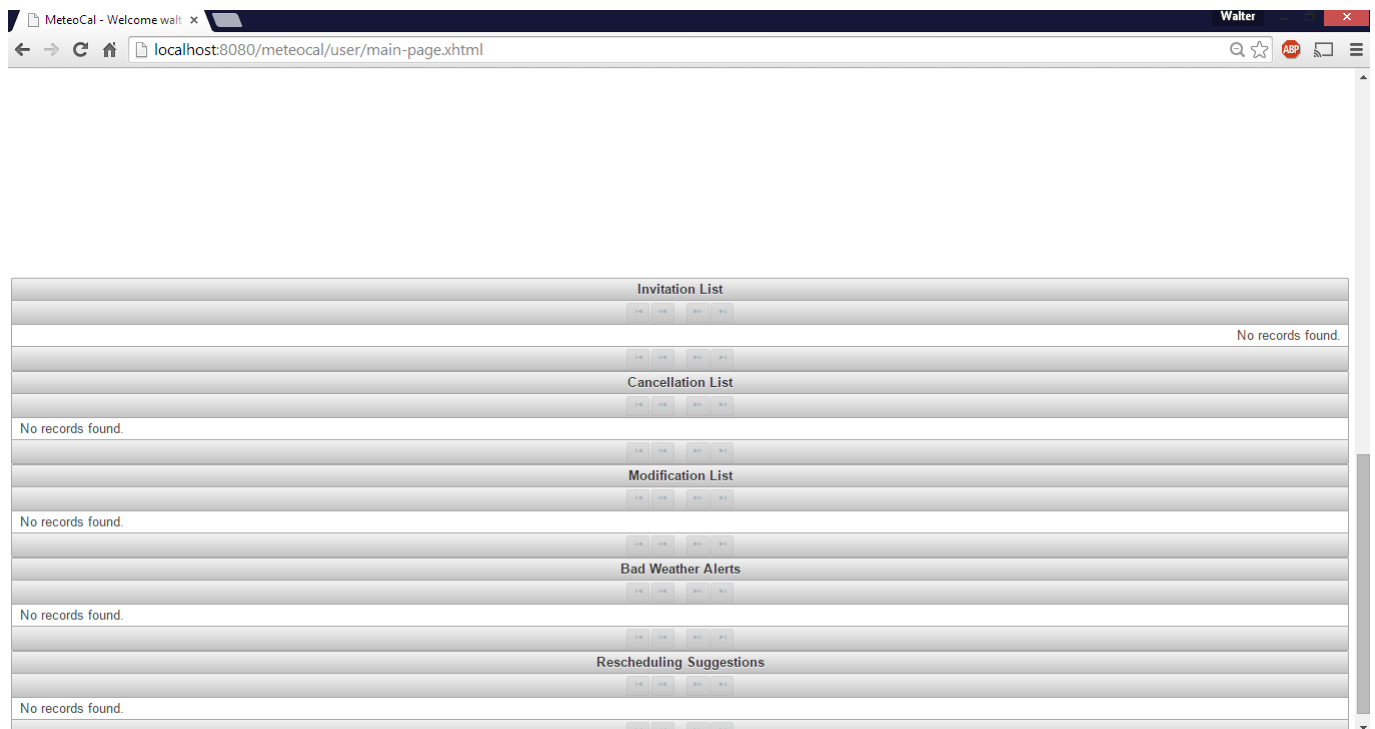


Figure 1.6: Home Page: Notifications

- **NOTE** it was a bit hard to use the bad weather alert as they were not clearly specified neither in the user manual, neither in the user manual.
- **PROBLEM** the date suggestion notification, suggested a day that not satisfied the conditions set (e.g. a day with weather n/d was suggest, a rainy day was suggest for a bad conditions with cloudy label).
- **PROBLEM** The creator did not receive any notification from the system if a user decide to decline or accept his invitation.
- **PROBLEM** The suggestion date, if an event that will begin in 3 days has bad condition, could be also the current day (the day in which the user receive the alert).
- **PROBLEM** The previous problem generate another problem: If i decide to automatically move the event to the date suggested, the event could be moved also on today also in a past time.
- **NOTE** And another problem happen, if we automatically move the event, the old event will not be deleted from the calendar view (graphic problem).
- **PROBLEM** If i accept an invitation to myself, above the fact that i will be deleted from the participants like i said before, the event will be shown 2 times in my calendar(not in the db).
- **PROBLEM** In the requirements there is this one:”If an event is cancelled or updated a notification is generated for all the users involved”; but for the deletion of an event, no notification will be sent.

1.12 Testing Results

After reporting all the problem that we encountered using the application, in this section we present all the functionality presented in the RASD (and RASD notification) and in the project requirements. For each functionality we will briefly explain if it works right, due to specifications, or what kind of problem can occur (Test Result are considered apart from error):

Name	Login
Test Result	Completely working
Errors	<ul style="list-style-type: none">• No error.

Name	Registration
Test Result	Completely working
Errors	<ul style="list-style-type: none">• No error.

Name	Modify personal info
Test Result	Completely working
Errors	<ul style="list-style-type: none">• No error.

Name	Visualise other public information
Test Result	Completely working
Errors	<ul style="list-style-type: none">• No error.

Name	Set calendar public/private
Test Result	Completely working
Errors	<ul style="list-style-type: none"> • No error.

Name	Create new event
Test Result	Working
Errors	<ul style="list-style-type: none"> • Possibility to set an ending date before the starting date. • Impossibility to create an event for the current day.

Name	Add participants to an event
Test Result	Completely working
Errors	<ul style="list-style-type: none"> • No error.

Name	Indicate what is considered “bad weather”
Test Result	Completely working
Errors	<ul style="list-style-type: none"> • Labels are not explained anywhere.

Name	Send invitation to other users to the event
Test Result	Completely working
Errors	<ul style="list-style-type: none"> • No error.

Name	Accept or decline invitations to other events
Test Result	Partially working (the system recognise who accepted or declined the invitation)
Errors	<ul style="list-style-type: none"> • This functionality works on the contrary respect to the RASD specification: people who accepts the invitation are removed from invitation list, people who decline are not removed.

Name	Update information on an event
Test Result	Partially working
Errors	<ul style="list-style-type: none"> • Impossibility to set a label for outdoor events if passing from an indoor event to an outdoor event. • Graphical error in the main page (old event not deleted).

Name	Accept or decline the proposed rescheduling for an event outdoor in bad weather conditions
Test Result	Partially working (the event is moved to the right day, also for invited people)
Errors	<ul style="list-style-type: none"> • Wrong date suggestions.

Name	Bad conditions alert one day before the event.
Test Result	Completely working
Errors	<ul style="list-style-type: none"> • No error.

Name	Delete an event
Test Result	Partially working (the event is deleted)
Errors	<ul style="list-style-type: none"> • The delete notification is not sent.

Name	Select from a list of public calendars one or more to show among his/her own, and visualise details of public events.
Test Result	Partially working
Errors	<ul style="list-style-type: none"> • It is possible to see details of private event.

Name	Delete his/her account.
Test Result	Completely working
Errors	<ul style="list-style-type: none"> • No error.

1.13 Final Conclusion

If all the users act correctly and if they know very well the application, we think the system will work, but there are many dangerous problems that can arise, so we hope to be useful for the other group to show them how many problems can be hidden in one application and also that they have to check better, doing at least some tests.