

# POLITECNICO DI MILANO

ENGINEERING OF COMPUTING SYSTEMS



SOFTWARE ENGINEERING II

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## MeteoCal

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# Quality Assurance

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# 1 Introduction

This document shows the tests carried out on the project of Daniele Marangoni, Matteo Montalcini and Daniele Moro, the URL to google code project is: <https://code.google.com/p/metocal-marangoni-montalcini-moro/>

## 2 Test Cases

### 2.1 Guest functionalities

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#### Sign up

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**Goal:** Guest is able to register

**Environment:** The *Sign Up* page

**Input:** Valid registration information (name, surname, birthday, phone number, residence town, calendar visibility, email, password)

**Expected output:** Information is correctly stored into the database. A new user is created and a confirmation email is sent.

**Obtained output:** Coherent with the expected.

**Final output:** The system stores correctly the info into the db, user is redirected to the homepage but no message is displayed.

**Possible errors:** in those cases the user is not allowed to register and so to log in

- mandatory fields empty
- email already used
- email is not a valid email
- password and confirm password fields don't match
- guest is younger than 14 years old
- invalid phone number

**Observations:** There are fields completely useless (phone number, residence town and birthday), since they are not even used in the system and are a nuisance.

We think that everyone could use this app without an age limit. The email sent is not a confirmation email but just a message (email could be inexistent).

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## Log In

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**Goal:** User can log in

**Environment:** The *Log in* page

**Input:** Email and password

**Expected output:** The user logs in correctly

**Obtained output:** Coherent with the expected.

**Final output:** The system shows the *Calendar* page of the user

**Possible errors:** in those cases the user is not allowed to log in

- empty fields
- email or password incorrect

## 2.2 User functionalities

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### Create Event

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**Goal:** Create a new event

**Environment:** The *Calendar* page

**Input:** Information for event creation (Name, Time start and end, typology, description, place, privacy, outdoor) and additional fields in case of outdoor event (accepted precipitation, wind and temperature)

**Expected output:** A new event is created and inserted in the user's calendar

**Obtained output:** Coherent with the expected.

**Final output:** The system shows the *Invitation* page for inviting people

**Possible errors:** in those cases the user is not allowed to create the event

- mandatory fields empty
- start time after end time
- description too long
- event overlaps another user's event

**Observations:** weather forecasts are not displayed if I view event info at the time I've created the event

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### Modify Event

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**Goal:** modify a created event

**Environment:** The *Created Events* page

**Input:** Information that user wants to change

**Expected output:** An existing event is updated and notification of modification are sent to participants

**Obtained output:** Event is updated, but no notification is sent to participants

**Final output:** The system shows the *Created Events* page

**Possible errors:** in those cases the user is not allowed to update the event

- mandatory fields empty
- start time after end time
- duration of the event overlaps with other user's events

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## Invite people

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**Goal:** Invite people to an event

**Environment:** The *Invite* page

**Input:** Email or Name and Surname of invited users

**Expected output:** Invite notifications and email sent to invited users

**Obtained output:** Coherent with the expected.

**Final output:** The *Invite People* page with invited users

**Possible errors:** in those cases an error message is displayed

- invalid email
- user inexistent

**Observations:** it works, but it is not practical (user has not an address list) and there is a typing error in the page, name and email are requested instead of name and surname

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## Show Profile

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**Goal:** Show profile of a user

**Environment:** The *Profile* page

**Input:** Click on *Profile*

**Expected output:** System shows user data

**Obtained output:** Coherent with the expected.

**Final output:** The system shows the *Profile* page of logged user

**Possible errors:** there are no possible errors

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## Modify Profile

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**Goal:** Change user information

**Environment:** The *Modify Profile* page

**Input:** User's new data

**Expected output:** Updated data stored in the DB

**Obtained output:** Coherent with the expected.

**Final output:** The *Profile* page with the updated data

**Possible errors:** in those case the operation of update is not accomplished

- username already used by another user
- new email not valid
- email already user by another user
- mandatory fields empty

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## Show created events

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**Goal:** Show created events of the user logged

**Environment:** The *Home* page

**Input:** Click "See created events"

**Expected output:** list of created events

**Obtained output:** Coherent with the expected.

**Final output:** The *See created events* page with the events

**Possible errors:** there are no possible errors

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## Invite people

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**Goal:** Invite people to an event

**Environment:** The *Invite* page

**Input:** Usernames(email) of invited users

**Expected output:** invite notifications and email sent to invited users

**Obtained output:** Coherent with the expected.

**Final output:** The *Invite* page with the new invited user

**Possible errors:**

- email not in the db, system shows a error
- try to invite the organizer, system shows a error

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## See and delete notifications

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**Goal:** See the notifications and delete once of them

**Environment:** The *Notification* page

**Input:** Click on *My notifications*

**Expected output:** see my notification and when clicked on delete, notification is deleted.

**Obtained output:** Coherent with the expected.

**Final output:** The *Notification* page without the deleted notification

**Possible errors:** there are no possible errors

**Observation:** you can delete an invite to an event without have accepted or refused the invitation



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## Import

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**Goal:** Import

**Environment:** The *Import* page

**Input:** Calendar that has to be imported

**Expected output:** calendar updated with events of imported calendar

**Obtained output:** if first time I try to upload a file and is not a good file then the second time I choose a file it says "Maximum number of files exceeded", I need to refresh the page. Otherwise it is coherent with the expected.

**Final output:** The *Import* page with a success message

**Possible errors:**

- file not of the supported type, system says that is not a correct file type
- try to upload more of one file at the same time, system shows a error

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## Export

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**Goal:** Export

**Environment:** The *Export* page

**Input:** Click on download Calendar on the *Export* page

**Expected output:** calendar downloaded on the pc of the user with all the events in xml

**Obtained output:** Coherent with the expected.

**Final output:** The *Export* page

**Possible errors:** there are no possible errors.

**Observations:** the system allows to export also an empty calendar, that doesn't make real sense but is not an error.

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## See weather

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**Goal:** See weather for day of event

**Environment:** The *Calendar* page

**Input:** Click on event interested

**Expected output:** details and weather of the event

**Obtained output:** Coerent with the expected for some events, the weather for some other events is not loaded, probably the location is not found by the weather service

**Final output:** The *Event details* pop-up with weather conditions

**Possible errors:** there are no possible errors

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## Accept or refuse invitation

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**Goal:** Accept(Refuse) invitation and see the user in the accepted(refused) participation list

**Environment:** The *Invitation* page

**Input:** Click on accept(refuse) invitation

**Expected output:** user put in the accepted(refused) participation list

**Obtained output:** Coerent with the expected.

**Final output:** The *Invitation* page with the event information and a button for delete the participation

**Possible errors:** there are no possible errors

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## Send weather notifications

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**Goal:** See the notifications when the weather is bad 3 days before the begin

**Environment:** The *Notification* page

**Input:** Click on *My notifications* and there is bad weather in the db for a event that is in the next 3 days

**Expected output:** see a 'weathercondition' notification of a event in the user calendar

**Obtained output:** Coherent with the expected.

**Final output:** The *Notification* page

**Possible errors:** there are no possible errors