

# POLITECNICO DI MILANO

ENGINEERING OF COMPUTING SYSTEMS



SOFTWARE ENGINEERING II

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## MeteoCal

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# Testing Document

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# 1 Test Cases

## 1.1 Provided Material

In order to test our platform we provide the following documents:

- Requirements and Analysis Specification Document (RASD)
- Design Document (DD)
- The source code
- Some JUnit tests

## 1.2 Guest Cases

For the guest these are the test cases.

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### Sign up

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**Goal:** Guest is able to register

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

**Input:** Valid registration informations (name,surname, username, email, password)

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

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

**Final output:** The system shows a message to check the email to confirm the registration.

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

- mandatory fields empty
- username already used
- email already used
- email is not a valid email
- password and confirm password fields don't match

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## Retrieve password

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**Goal:** User can reset his password

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

**Input:** Email of the user that wants to reset his password

**Expected output:** The system sends an email with a link to a page where the user can set another password

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

**Final output:** The system shows the *Log in* page and the user is able to log in with the new password

**Possible errors:** in those cases the user is not allowed to reset his password

- email is not a valid email
- password and confirm password fields don't match

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## Log In

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**Goal:** User can log in

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

**Input:** Username 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
- username and password are not a valid couple

## 1.3 User cases

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### Create Event

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**Goal:** Create a new event

**Environment:** The *Calendar* page

**Input:** Information for event creation

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

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

**Final output:** The system shows the *Event Details* page of the event just created

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

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

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### Update Event

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**Goal:** Update an existing event

**Environment:** The *Event details* page

**Input:** Information for event update

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

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

**Final output:** The system shows the *Event Details* page of the event just updated

**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
- user not the organizer

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## Show data

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**Goal:** Show profile of a user

**Environment:** The *Profile* page

**Input:** Click on *Profile* tab

**Expected output:** System shows data of right user

**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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## Change data

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**Goal:** Change user information

**Environment:** The *Change data* 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 user by another user
- new email not valid
- email already user by another user

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## Add a user in the address list

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**Goal:** Update the address list with a new user

**Environment:** The *Profile* page, the *Profile* page of another user, the *Invite* page

**Input:** username of new contact

**Expected output:** contact added in the address list

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

**Final output:** The *Profile* page with the updated data of the address list

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

- username not in the DB
- empty field

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## Show events of a day

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**Goal:** Show events of the day clicked

**Environment:** The *Calendar* page

**Input:** Click on day of the month

**Expected output:** list of the event of that day

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

**Final output:** The *Today events* page with the events

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

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## Show events of a day

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**Goal:** Invite people to an event

**Environment:** The *Invite* page

**Input:** Usernames of invited users

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

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

**Final output:** The *Event details* page of the event

**Possible errors:**

- no username selected to be invited, system shows a error message

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## Invite people

---

**Goal:** Invite people to an event

**Environment:** The *Invite* page

**Input:** Usernames of invited users

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

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

**Final output:** The *Event details* page of the event

**Possible errors:**

- no username selected to be invited, system shows a error message



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## Import

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**Goal:** Import

**Environment:** The *Calendar* page

**Input:** Calendar imported

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

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

**Final output:** The *Calendar* page of the user with updated data

**Possible errors:**

- file not of the supported type

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## Export

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**Goal:** Export

**Environment:** The *Calendar* page

**Input:** Calendar exported on the pc of the user

**Expected output:** calendar exported with all the events

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

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

**Possible errors:**

- no events scheduled in the calendar, system shows a message

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## Export

---

**Goal:** Export

**Environment:** The *Calendar* page

**Input:** Calendar exported on the pc of the user

**Expected output:** calendar exported with all the events

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

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

**Possible errors:**

- no events scheduled in the calendar, system shows a message

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## See weather

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

**Environment:** The *Event details* page

**Input:** Click on event interested

**Expected output:** weather of the event

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

**Final output:** The *Event details* page with weather conditions

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