



POLITECNICO DI MILANO

SOFTWARE ENGINEERING 2 PROJECT

MeteoCal

Test Cases

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Part I

Introduction

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

- Requirements and analysis specification document (RASD)
- Design Document (DD)
- Source Code

Part II

Test cases

The following test cases address the key functionalities of the MeteoCal platform.

1 User registration

Goal	User registration
Environment	Registration page
Input	Random profile information
Expected output	The registration is completed
Obtained output	The same as above. The new user information are stored in the database
Final output	The user is taken back to the login page where he/she has to perform the login
Possible errors	<ul style="list-style-type: none">• Empty fields: the system prevents the user registration to be accomplished as all the fields are mandatory (previous inputs are not deleted)• Not-valid email address: the system prevents the user registration to be accomplished (previous inputs are not deleted)• Mismatching password: the system prevents the user registration to be accomplished (previous inputs are not deleted)• Email already in use: the system prevents the user registration to be accomplished (previous inputs are not deleted)

2 Login

Goal	Login
Environment	The login page
Input	Email and password belonging to a registered user
Expected output	The systems confirms the login
Obtained output	The systems confirms the login
Final output	The user is redirected to his homepage
Possible errors	<ul style="list-style-type: none">• Empty fields: the systems doesn't allow the login• Invalid email: the system doesn't allow the login• Wrong password: the system doesn't allow the login

3 Create a new event

Goal	Create a new event
Environment	Homepage. More specifically the user will use the dialog appeared (after the "New Event" button is pressed) on the right of the calendar
Input	The relevant event details
Expected output	The system confirms the creation of the event
Obtained output	The system stores the event details in the database and, if necessary, generates the notifications related to the new event
Final output	The new event is displayed in the user's calendar and the panel on the right is hidden
Possible errors	<ul style="list-style-type: none">• The place is not selected among the available choices: the event is created without a location• The user is not selected among the available choices: the system prevents the creation of the event and reset previously specified data.• (Time consistency of the start/end date is always guaranteed)

4 Delete event

Goal	Delete event
Environment	Homepage, the dialog showing the event information
Input	Delete button
Expected output	The system confirms the deletion of the event
Obtained output	The systems deletes the event from the Event table. It also deletes all the notifications and participations related to that event
Final output	The event is no longer displayed in the calendar
Possible errors	none

5 Remove participation

Goal	Remove participation
Environment	Homepage, the dialogs showing event information
Input	The Remove Participation button
Expected output	The systems confirms the unregister request
Obtained output	The user participations is removed from the database. All the notifications for the user related to that event are deleted
Final output	The events and the related notifications are deleted from the calendar
Possible errors	none

6 Modify event

Goal	Modify event
Environment	Homepage
Input	Modify button and then any details that the user may want to change
Expected output	The system allows the user to modify the event details
Obtained output	The system updates the event in the database. It also produces event changed notifications for participants, if any
Final output	The updated event is displayed in the calendar
Possible errors	The same of “create of an event”

7 Read and answer to notifications

Goal	Read and answer to notifications
Environment	The homepage
Input	One of the possible answer buttons for notifications
Expected output	The systems confirms the user's answer to the notification
Obtained output	The systems change the state of the notification in the database and update its answer (if the notification type requires one)
Final output	The notification is removed from the panel on the left and, eventually, the related event is updated in the calendar.
Possible errors	none

8 Search User

Goal	Search User
Environment	Any page of the system available to a logged user
Input	The search key
Expected output	The system performs the search
Obtained output	The systems retrieves the search results from the database
Final output	Search results (if any) are displayed in the result page
Possible errors	Not valid search key: the search key can be one between the username, the name, or the surname of the user. If the system does not find any matching with its users in one of those fields it will show no results

9 Selection of the user

Goal	Selection of the user
Environment	Result page
Input	The selected user
Expected output	The system confirms the selection
Obtained output	The system retrieves selected user data from the db
Final output	The selected user calendar is displayed
Possible errors	none

10 Browse other user's calendar

Goal	Browse other user's calendar
Environment	external calendar page
Input	The selection of an event
Expected output	The system confirms the selection
Obtained output	The system retrieves event's details
Final output	The system shows the details allowed by the event's privacy setting
Possible errors	none

11 Change settings

Goal	Change settings
Environment	Settings page
Input	New user information
Expected output	The system confirms the new user information
Obtained output	The system updates the user data stored in the database
Final output	The user is redirected to his homepage
Possible errors	<ul style="list-style-type: none">• Empty fields: the system prevents the data update accomplishment (previous inputs are not deleted).• Mismatch between passwords: the system prevents the data update accomplishment (previous inputs are not deleted).

Part III

Note on the automated tests

The automated tests can perform a huge number of queries to the OpenWeatherMap service, therefore it is possible that sometimes they occasionally fail (OpenWeatherMap grants a limited number of query per minute). This is not a problem as the tests will start again to work of you wait some time.