

TESTING DOCUMENT

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1 Introduction

This document will aid the testing process for the MeteoCal application. To perform the tests we provide binaries, specification documents and the source code of this application in the project page at

<https://code.google.com/p/meteocal-se2/source/browse/>

2 Tests

We describe in this section the main tests that the application should pass in order to be usable and functional.

2.1 Sign up

Goal	Registration to the service
Environment	The sign up page
Input	A username string and two password strings
Expected output	The new user has been registered and redirected to his personal page
Obtained output	As above
Consequences	A new user is added to the database users table
Exceptions	<ul style="list-style-type: none">• Mandatory fields have not been filled. The system does not proceed with the registration.• Fields have been filled incorrectly. The system does not proceed with the registration.• The username already exists. The system does not proceed with the registration and prompts the user to choose another username.• Passwords mismatch. The system does not proceed with the registration. The user needs to input the passwords again.• The user is registered but not logged in. Another user is still logged in from the same browser/session. The new user needs another browser/session to access the service.

2.2 Login

Goal	Login to the service
Environment	The login page
Input	A username string and a password string
Expected output	The user has been logged in and redirected to his personal page
Obtained output	As above
Consequences	The user's schedule and notifications are retrieved from the database and displayed on his personal page
Exceptions	<ul style="list-style-type: none">• Mandatory fields have not been filled. The system does not proceed with the authentication.• The username is incorrect. The system does not proceed with the authentication and prompts the user to verify his credentials.• The password is incorrect. The system does not proceed with the authentication and prompts the user to verify his credentials.• The login fails. Another user is still logged in from the same browser/session. The user needs another browser/session to access the service.

2.3 Create event

Goal	Event creation
Environment	The create event page.
Input	A name string, an optional description string, the event type, a city string, the event's date, starting hour and ending hour and an optional string with guests
Expected output	The event is created and the user is redirected to his personal page.
Obtained output	As above.
Consequences	The user's schedule and notifications are retrieved from the database and displayed on his personal page. The new event has been saved in the event table in the database. The new event is part of the user schedule. Eventual guests received an invite
Exceptions	<ul style="list-style-type: none">• Mandatory fields have not been filled. The system does not proceed with the creation and prompts the user to fill the mandatory fields.• Fields have been filled incorrectly. The system does not proceed with the creation and prompts the user to correctly fill the fields.• The ending hour is before the starting hour. The system does not proceed with the creation and prompts the user to input correct hours.• The event is scheduled in the past. The system does not proceed with the creation and prompts the user to choose a future time frame.• The user is already busy at the time of the event. The system does not proceed with the creation and reminds the user that he already has a planned event overlapping with the one he is trying to create.

2.4 View event

Goal	View event details
Environment	The personal page, the schedule in particular
Input	Selecting an event from the schedule
Expected output	A window opens with the details of the event.
Obtained output	As above.
Consequences	If the user is the owner of the event he is given the options to modify or delete it
Exceptions	None

2.5 Update event

Goal	Event update
Environment	The personal page, in particular the event details window
Input	A name string and an optional description string
Expected output	The event is updated and the user's personal page is reloaded.
Obtained output	As above.
Consequences	The user's schedule and notifications are retrieved from the database and displayed on his personal page after the page reload. The event has been updated in the event table in the database. Eventual participants received an update notification
Exceptions	<ul style="list-style-type: none">• Mandatory fields have not been filled. The system ignores the update and reloads the page.• Fields have been filled incorrectly. The system ignores the update and reloads the page.• Mandatory are incorrect. The system ignores the update and reloads the page.

2.6 Delete event

Goal	Event deletion
Environment	The personal page, in particular the event details window
Input	Selecting an event and choosing to delete it
Expected output	The event is deleted and the user's personal page is reloaded.
Obtained output	As above.
Consequences	The user's schedule and notifications are retrieved from the database and displayed on his personal page after the page reload. The event has been deleted in the event table in the database. Eventual participants received a delete notification. Event generated notifications were removed
Exceptions	None

2.7 Accept invitation

Goal	Accept an invitation
Environment	The personal page, in particular the notification column and the notification details window
Input	Selecting an invite and choosing to accept it
Expected output	The event is added to the user's schedule and the user's personal page is reloaded. The invitation was removed from the pending notifications
Obtained output	As above.
Consequences	The user's schedule and notifications are retrieved from the database and displayed on his personal page after the page reload. The event has been added to the user's attending events and the user is a participant of the event. Eventual participants received an update notification
Exceptions	<ul style="list-style-type: none">• The invite cannot be accepted and the personal page is reloaded. The user has an event overlapping with the one he wants to accept the invite to

2.8 Decline invitation

Goal	Decline an invitation
Environment	The personal page, in particular the notification column and the notification details window
Input	Selecting an invitation and choosing to decline it
Expected output	The user's schedule and the user's personal page is reloaded. The invitation was removed from the pending notifications
Obtained output	As above.
Consequences	The user's schedule and notifications are retrieved from the database and displayed on his personal page after the page reload. The user was removed from the users invited to the event. Eventual participants received an update notification
Exceptions	None

2.9 Mark a notification as read

Goal	Mark a notification as read
Environment	The personal page, in particular the notification column and the notification details window
Input	Selecting a notification and choosing to view the details
Expected output	The user's schedule and the user's personal page is reloaded. The notification was removed from the pending notifications
Obtained output	As above.
Consequences	The user's schedule and notifications are retrieved from the database and displayed on his personal page after the page reload
Exceptions	None