



MYMETEOCAL: TESTING DOCUMENT

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Course:

Software Engineering 2

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1 Introduction

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

2 Test Cases

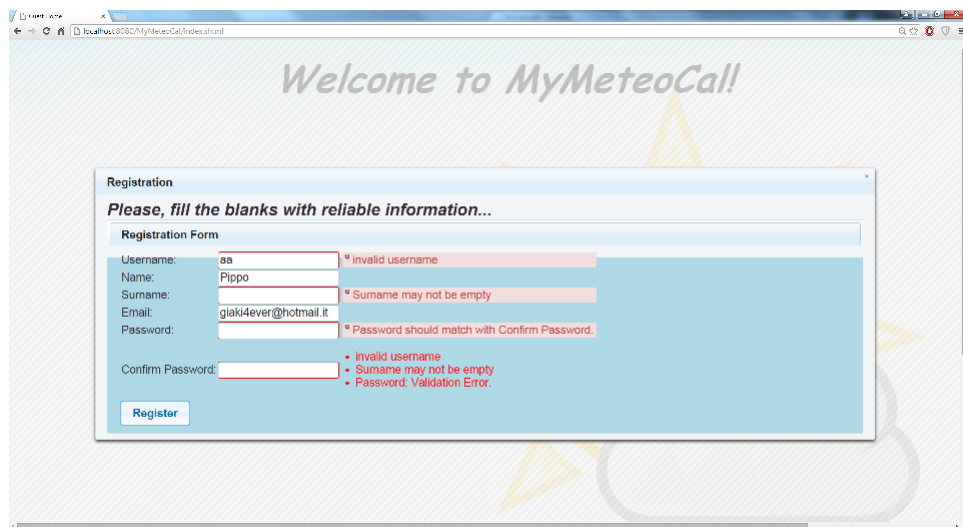
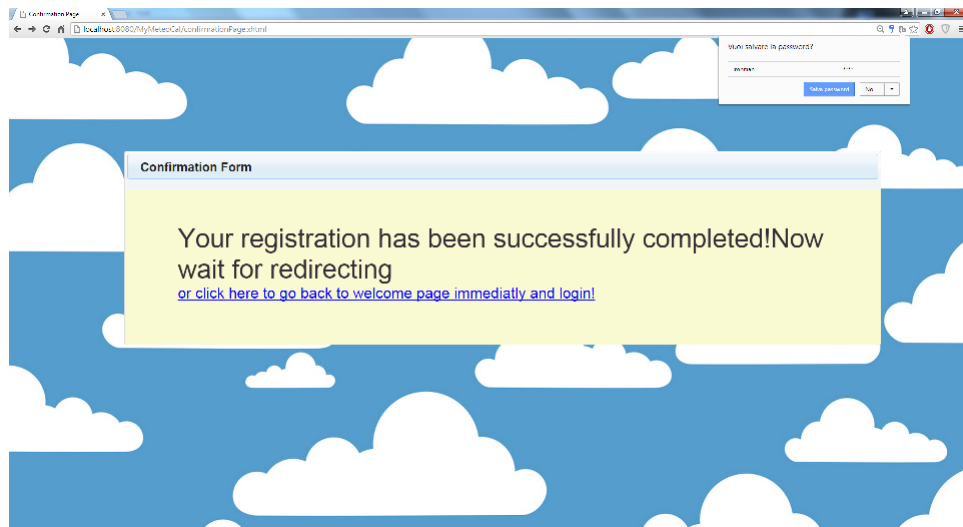
We write here the possible tests for the most important functionalities of the system.

We also provide some pictures to show the expected behavior of the application.

2.1 Registration

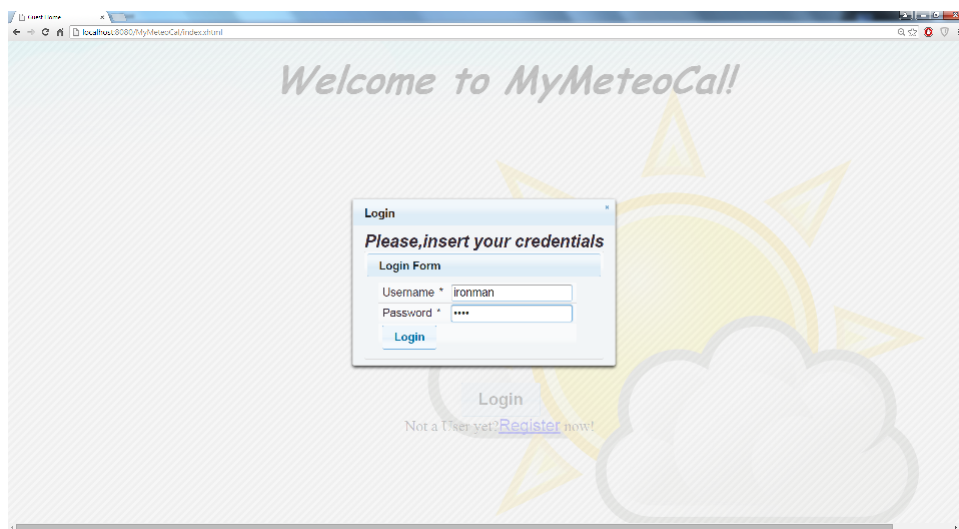
Goal	User registration.
Environment	The welcome page.
Input	A valid set of profile information (username, name, surname, e-mail address and password).
Expected output	The system confirms the registration.
Obtained output	The system confirms the registration, new user created and stored in the database.
Final output	The registration confirmation page.
Possible errors	<ol style="list-style-type: none">1. Empty mandatory fields2. Username not valid, or already in use3. E-mail not valid, or already in use4. Mismatching password5. In all the above situations the system prevents the registration phase to proceed

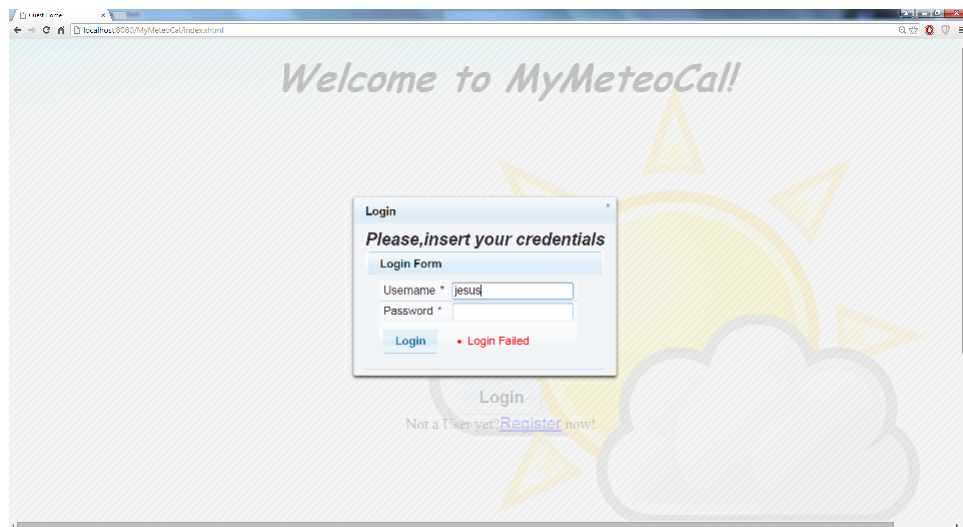
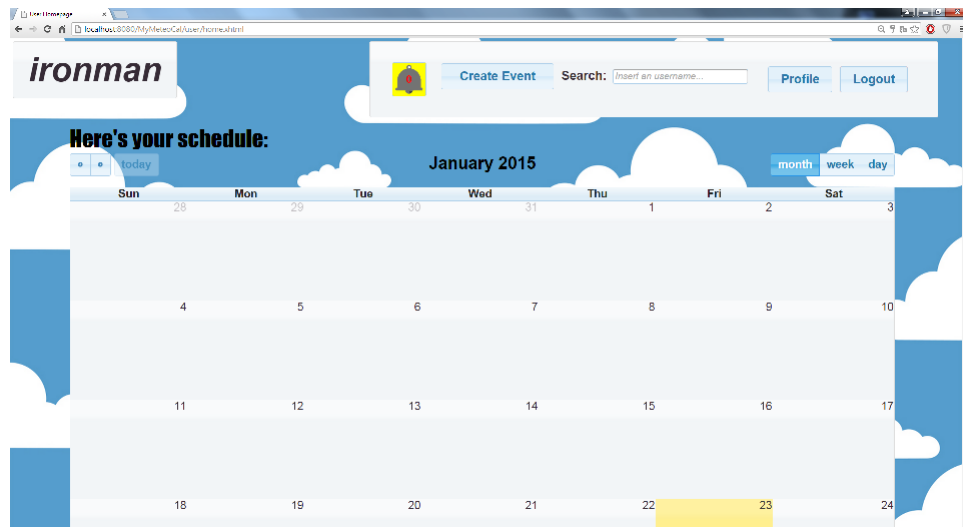
The screenshot shows a web browser window with the URL `localhost:8080/MyMeteoCal/index.html`. The background of the page is light blue with a faint pattern of yellow stars and a grey cloud. At the top, the text *Welcome to MyMeteoCal!* is displayed in a grey, italicized font. In the center, there is a registration form titled "Registration" with a subtitle "Please, fill the blanks with reliable information...". The form contains the following fields: "Username:" with the value "Ironman", "Name:" with "Robert Jr.", "Surname:" with "Downey", "Email:" with "rob.down@gmail.com", "Password:" with "****", and "Confirm Password:" with "****". A blue "Register" button is located at the bottom left of the form. Below the form, the text "Login" is centered, followed by "Not a User yet? [Register](#) now!".



2.2 Log In

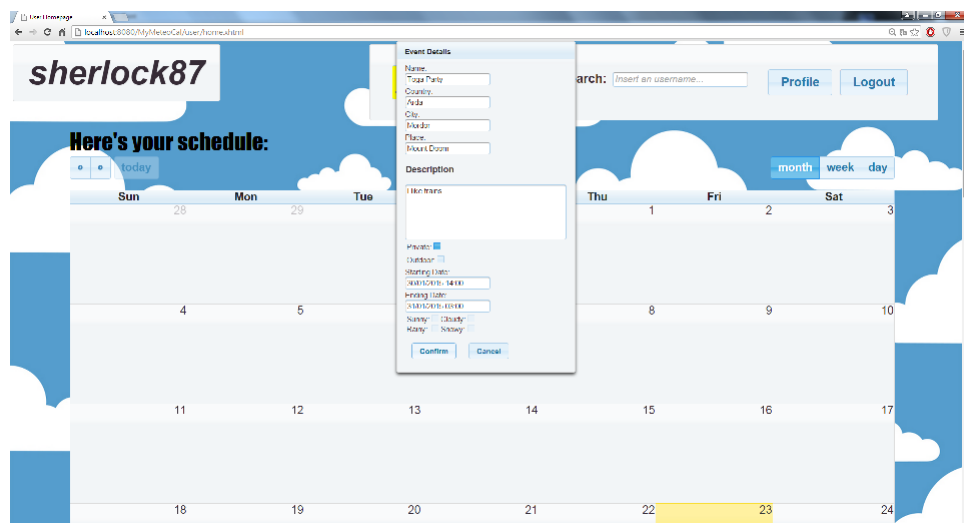
Goal	Log in of a registered user.
Environment	The welcome page.
Input	An existing username and the associated password.
Expected output	The system logs in the user.
Obtained output	The system logs in the user.
Final output	The user's home page.
Possible errors	<ol style="list-style-type: none">1. Missing username2. Missing password3. Username doesn't exist4. Wrong password5. User already logged in6. In all the above situations the system shows an error message to inform the user, who can retry the log in

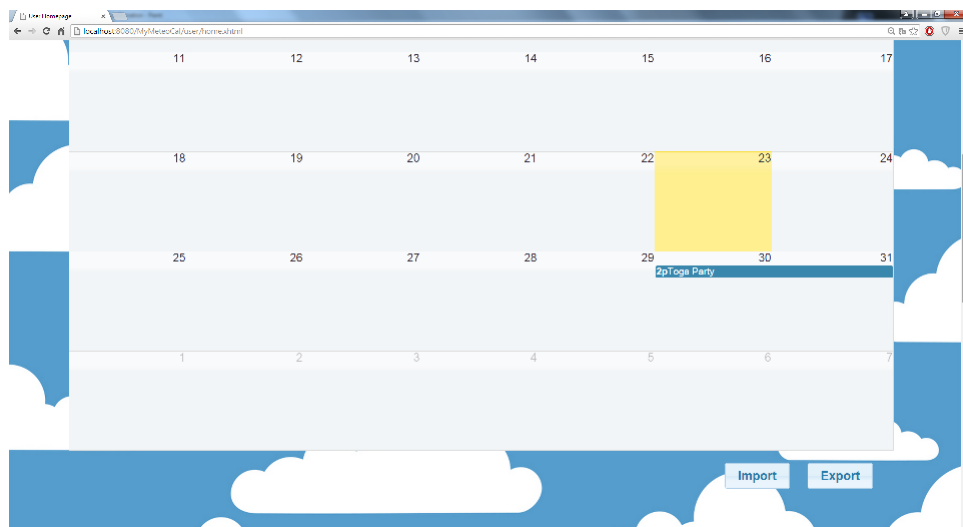
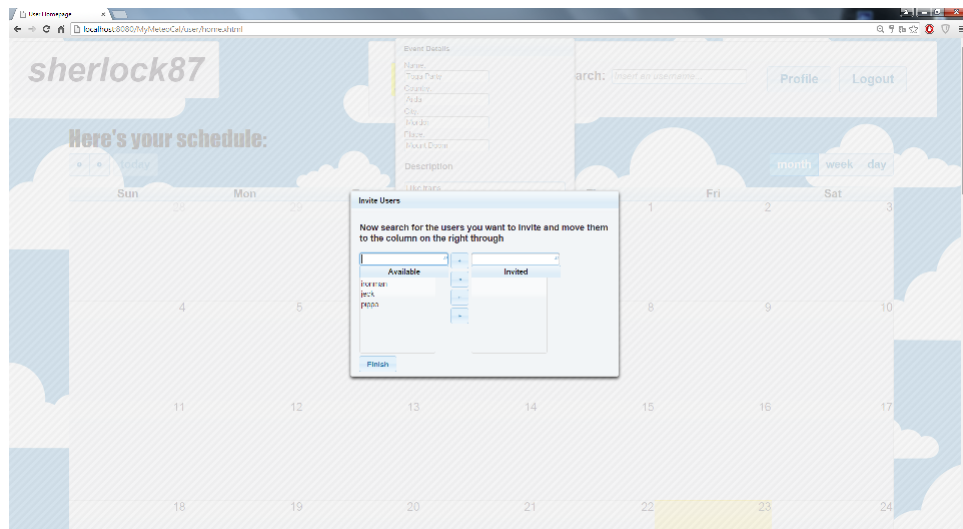




2.3 Event Creation

Goal	Creation of a new event.
Environment	The user's home page.
Input	<ol style="list-style-type: none"> 1. A valid set of event information, at least the mandatory ones (name, country, city, starting and ending date) 2. Zero or more existing users to invite
Expected output	The system creates a new event and sends the notifications to the invited users.
Obtained output	The system creates a new event and sends the notifications to the invited users.
Final output	The user's home page, with the new event displayed on the calendar.
Possible errors	<ol style="list-style-type: none"> 1. Empty mandatory fields 2. Inconsistent dates 3. The new event overlaps with other existing ones 4. In all the above situations the system prevents the creation of the event. The user can still edit the event creation form





2.4 Event Modification

Goal	Modification of an existing event.
Environment	The event information page.
Input	<ol style="list-style-type: none"> 1. A valid set of event information, at least the mandatory ones (name, country, city, starting and ending date) 2. Zero or more existing users to invite or to remove
Expected output	The system updates the event and sends the notifications to the invited users.
Obtained output	The system updates the event and sends the notifications to the invited users.
Final output	The event information page, with the updated information.
Possible errors	<ol style="list-style-type: none"> 1. Empty mandatory fields 2. Inconsistent dates 3. The new event overlaps with other existing ones 4. In all the above situations the system prevents the modification of the event. The user can still edit the event modification form

The screenshot shows a web browser window displaying an 'Event Form'. The form is divided into two main sections. The left section contains the following fields:

- Name: Final Test
- Country: Italy
- City: Taiwan
- Place: Tay yo
- Type: Outdoor
- Privacy: Private
- Bad Weather Flags: {Rainy}
- Weather Forecast: Rain (with a cloud and rain icon)

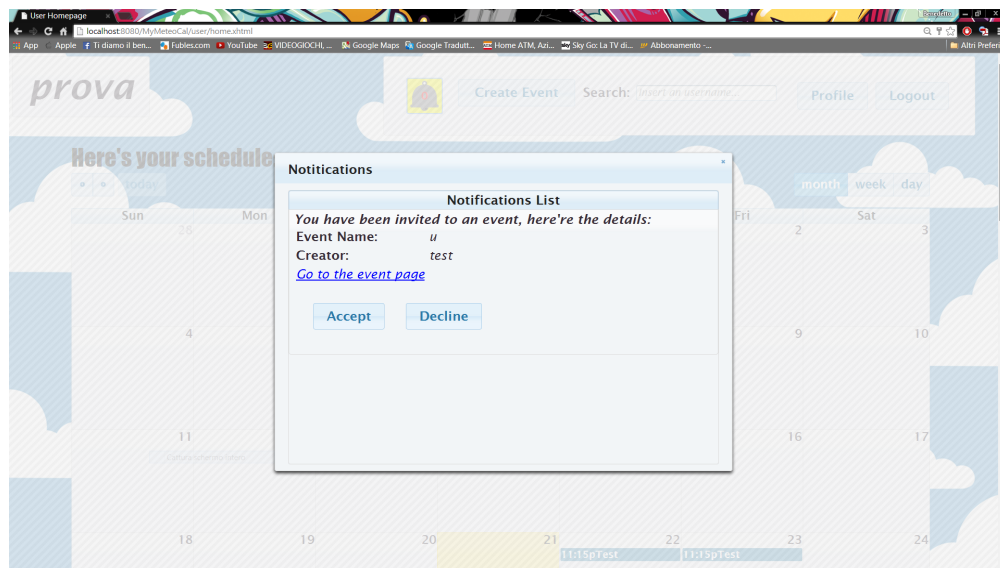
The right section contains the following fields:

- Creator: bbfight
- Attending Users: {bbfight}
- Invited Users: It's lonely here, no invites yet
- Starting Date: Wed Jan 28 00:00:00 CET 2015
- Ending Date: Thu Jan 29 12:00:00 CET 2015

At the bottom left of the form, there is a 'Delete Event' button. The browser's address bar shows the URL 'localhost:3030/MyArea/CallUserEventPage.shtml'.

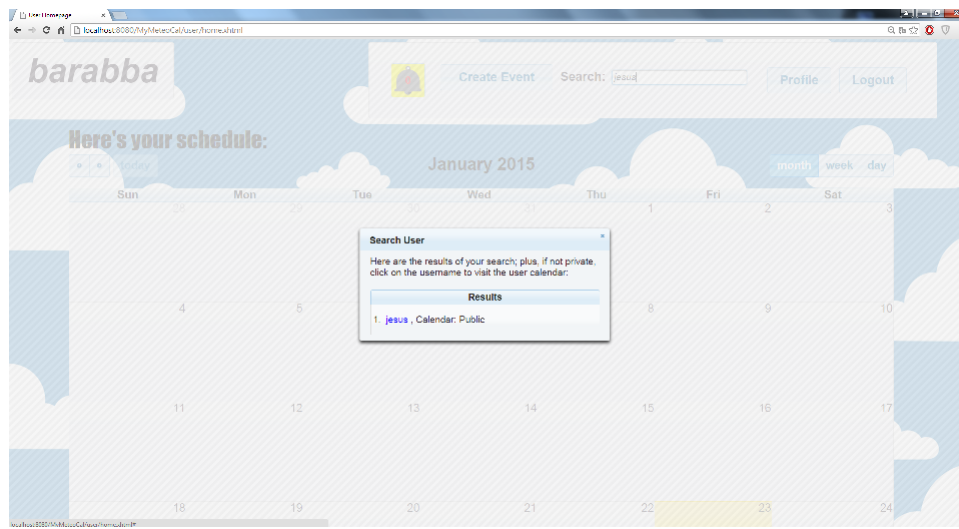
2.5 Accept Invitation

Goal	Accept an invitation to an event.
Environment	The user's notifications page.
Input	The user clicks the Accept button.
Expected output	The system registers the user to the event and adds it to its calendar, it also notifies the event creator of the acceptance of the user.
Obtained output	The system registers the user to the event and adds it to its calendar, it also notifies the event creator of the acceptance of the user.
Final output	The user's home page, with the new event displayed on the calendar.
Possible errors	No possible errors.



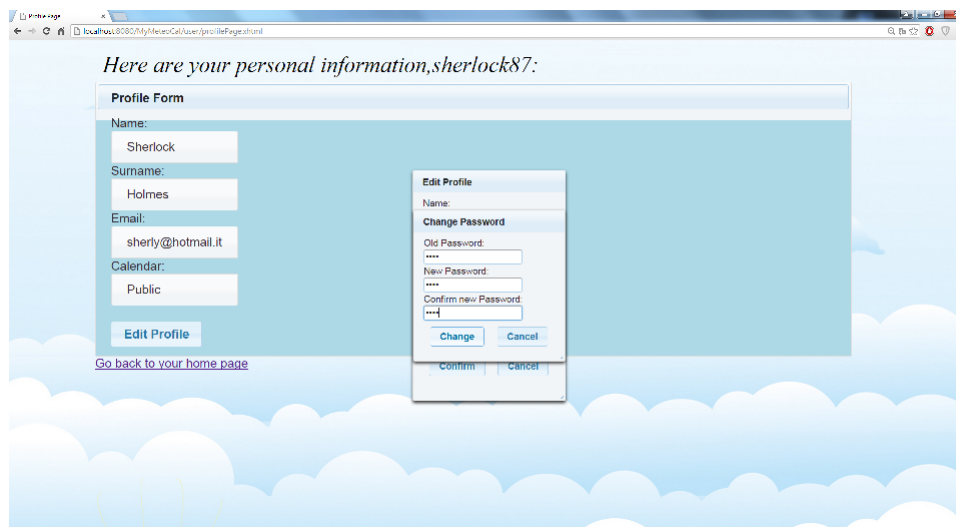
2.6 Search User

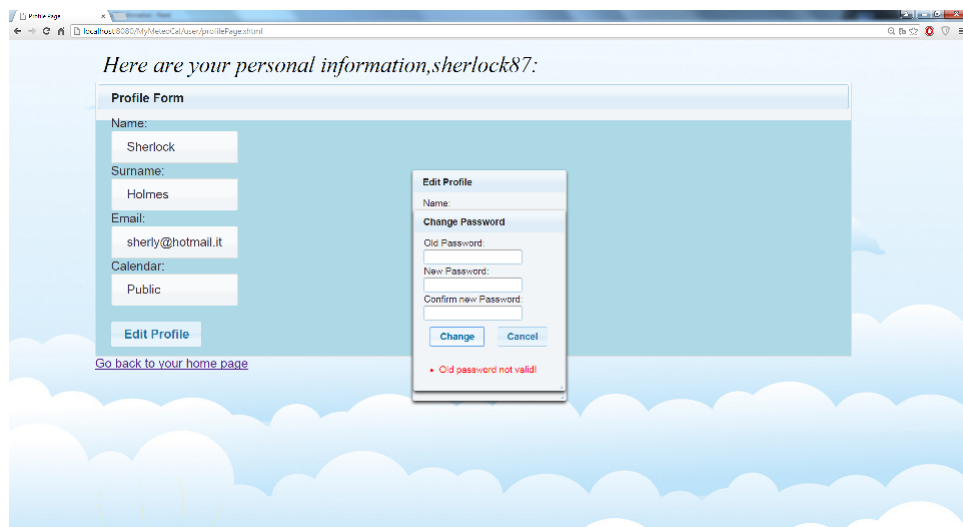
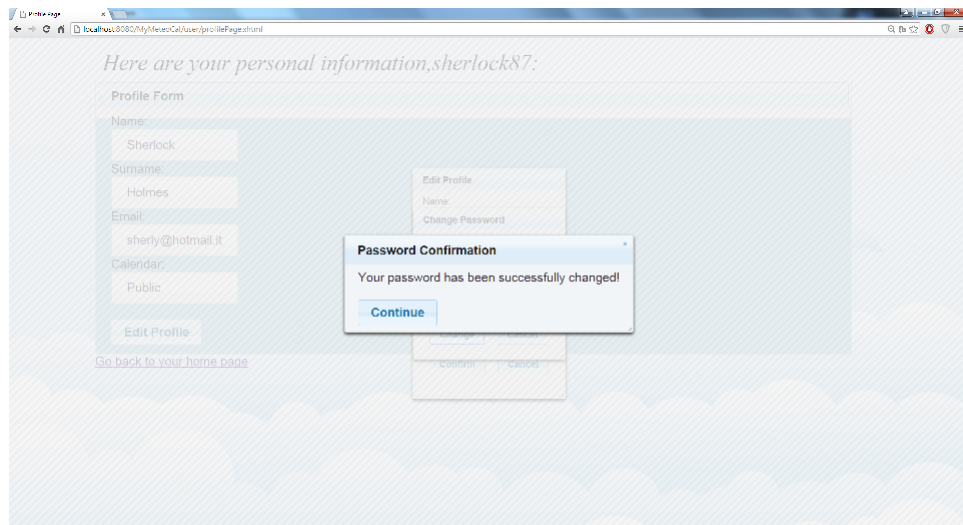
Goal	Find a user by its username (or part of it).
Environment	The user's home page.
Input	Any word typed in the find user box.
Expected output	The system shows a list of users with a username matching the typed prefix.
Obtained output	The system shows a list of users with a username matching the typed prefix.
Final output	A list of the found users, empty if no username matches the prefix.
Possible errors	No possible errors.



2.7 Edit Profile

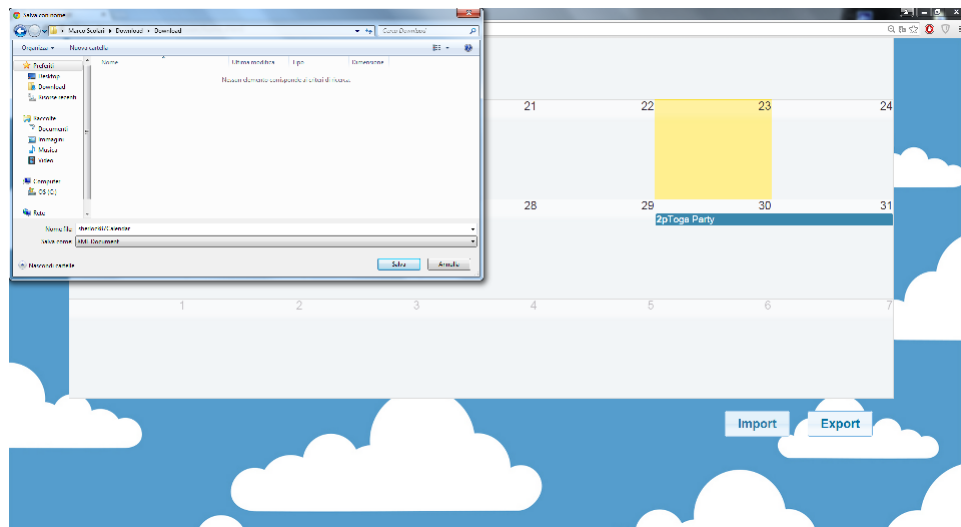
Goal	Change user's profile information.
Environment	The edit profile page.
Input	Any combination of (valid) profile information to change.
Expected output	The system updates the user's information.
Obtained output	The system updates the user's information.
Final output	The edit profile page, with the update information.
Possible errors	<ol style="list-style-type: none"> 1. E-mail address not valid 2. New mandatory fields empty 3. When changing the password, the old password inserted doesn't match the real one 4. When changing the password, the confirmed password inserted doesn't match the new one 5. In all the above situations the system prevents the modification of the info and shows one or more error messages. The user can still edit its profile information.





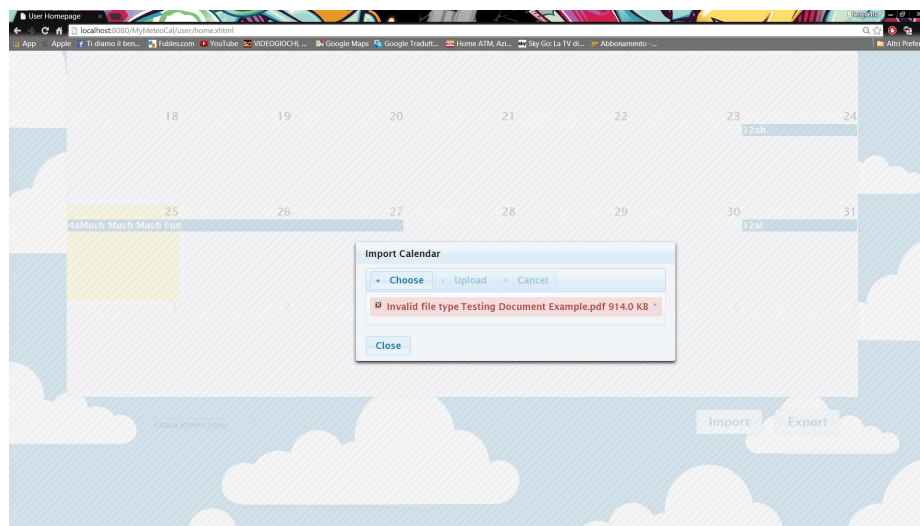
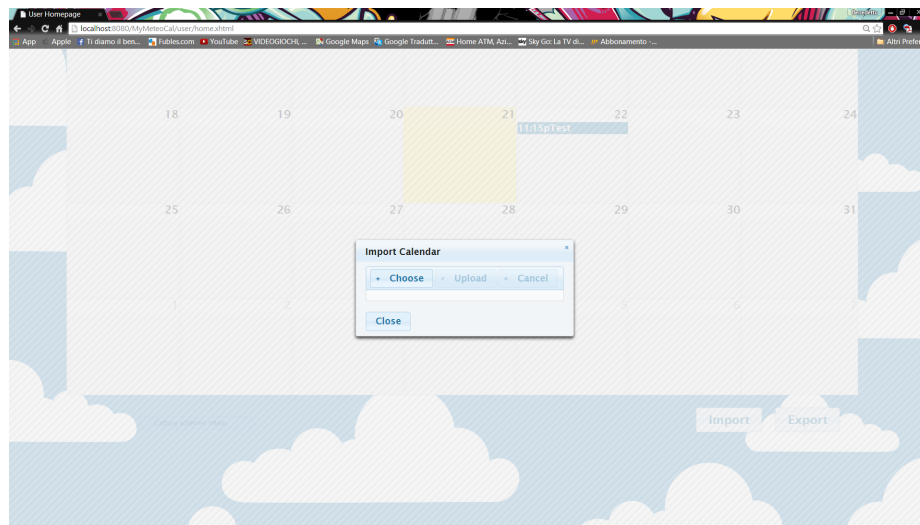
2.8 Export Calendar

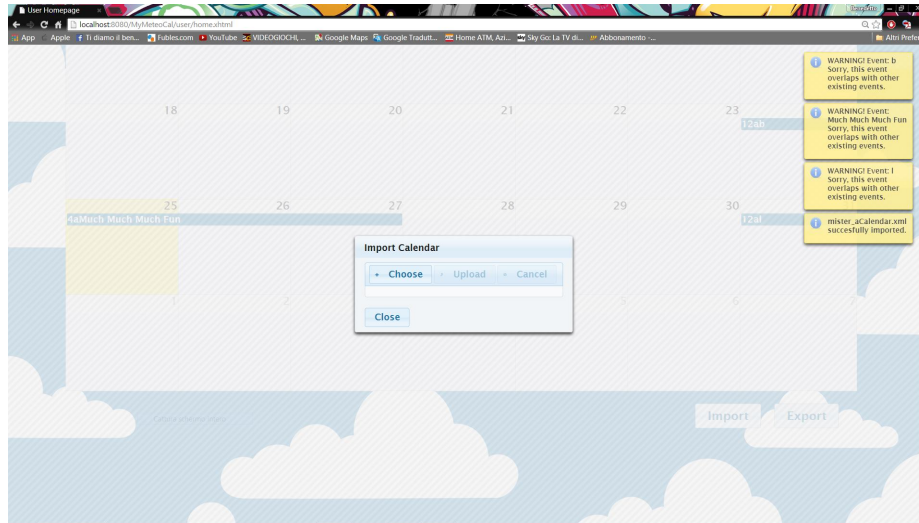
Goal	Export user's calendar as XML document.
Environment	The user's home page.
Input	User clicks on Export button
Expected output	The system copies the calendar in an XML document, that can be downloaded by the user.
Obtained output	The system copies the calendar in an XML document, that can be downloaded by the user.
Final output	The user's home page, with the file ready to be downloaded.
Possible errors	No possible errors.



2.9 Import Calendar

Goal	Import user provided calendar as XML document, merge online calendar with the XML one.
Environment	The user's home page.
Input	User, after clicking on Import button, provides an XML file to upload.
Expected output	The system imports the provided calendar, saving new (valid) events and discarding those that overlaps with other existing events.
Obtained output	The system imports the provided calendar, saving new (valid) events and discarding those that overlaps with other existing events.
Final output	The user's home page, with the calendar updated.
Possible errors	<ol style="list-style-type: none">1. File type different from .xml2. Bad formed XML document (including missing mandatory tags)3. Empty or not valid mandatory event fields (name, country...)4. Imported event overlaps with other existing ones5. In the first two situations the system prevents the import of the calendar. In the other cases the system discards the invalid event and warns the user





3 Known Bugs

Here we report a bug that we have chose not to correct completely and the relative reason:

The bug is that if a user with a private calendar creates a public event and invite other users, if one of the invited users accepts and he/she has the calendar public, then a third not invited user could go to that user calendar, click on the relative event and then ,by modifying the url, access to the user's private calendar. In order to avoid limiting the user possibilities, we have reached the following compromise: even if the user modifies the url, if the calendar is private and he's not the owner, then the system will show him a blank calendar, even if the calendar owner actually has events(at least the one that he has accessed though another user with public calendar).