Department of

Computer Science and Engineering

MeteoCal

Project development for the 2014 Software Engineering 2 Course

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User

Guide

System Description

MeteoCal is a web application, that provides his user with a lot of services related to personal event management. Users will need only a browser and no plugin installation is required.

In our design we dedicated particular attention to the friendliness of usage of our service. Our first purpose is to provide the user with the easiest and lightest interaction possible considered the complexity of the functionalities we decided to offer.

Table of Contents

0. Introduction

MeteoCal is a platform developed to help users manage their personal events.

Users will be able to create events and invite other users to participate. MeteoCal will also provide the users with weather forecasts and notificate event participants in case the forecast weather conditions aren't good three days before the event scheduled start.

Event creators will decide what weather conditions are considered as bad during event creation. The system will notificate the creator one day before the event start if a better schedule is available to avoid the adverse weather conditions.

1. Index Page

We decided we make an initial page where is possible both to signup and to login in the system. These first functionalities are the only one available to guests.

1.1 Sign up

Guests who want to register in our system, have only to fulfill the form on the left with an username and a couple of equal passwords. In case of already used username or of at least one empty field, error messages are displayed close the empty fields and an error message is displayed on the top of the page. As these pictures sho:

In case of the password confirmation is different from the first inserted one, or in case of an already used username, on the top of the page is shown an error message like the one below:
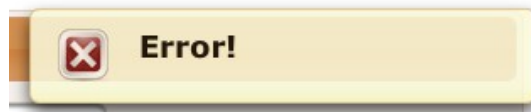
In case of successfully registration a positive message is shown on the top of the page as the one below:


If the desired username is already registered a contextual error message is shown.

1.2 Login

Users that are already registered have to put their own credentials in the login-form in order to access their personal page. In case of not correct credentials the following messages are displayed:

The same messages are displayed in case of not registered user. As far as a positive operation concerns, the user is redirected to his personal page.
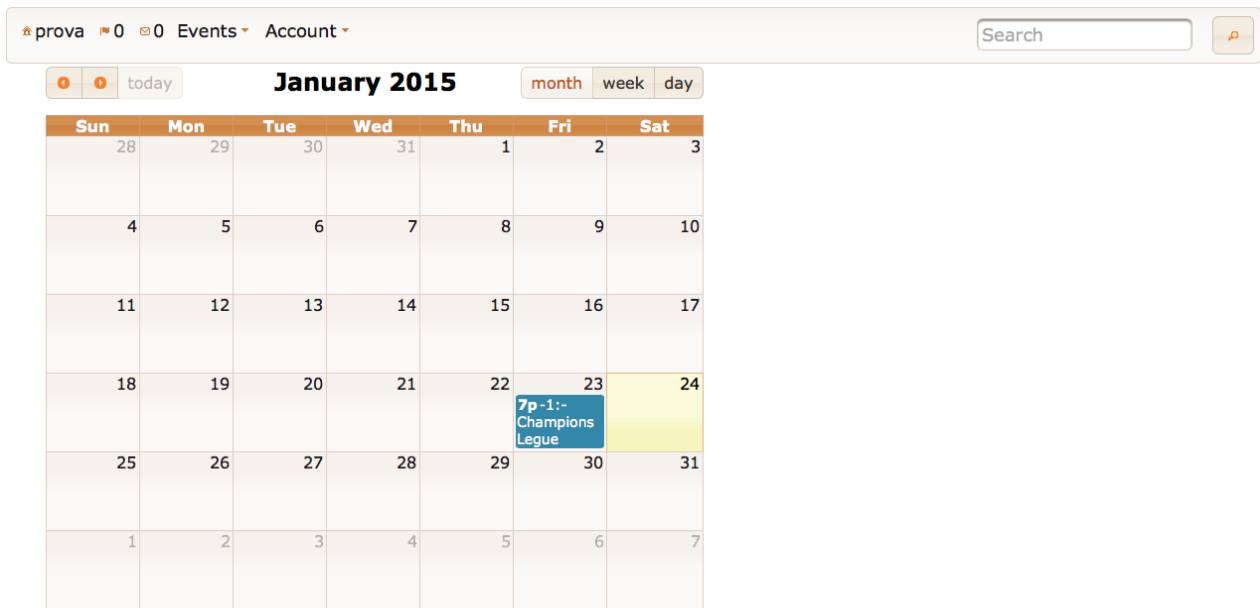
As the image represents, the personal page is composed of a topbar and the user calendar with his events, these redirect the user to the event page only if they are setted as public.

The top bar is a fundamental component in our application as it allows easy access to every functionality offered by our service.

2. Navigation

2.1 Topbar

The top bar is the most important component of our system. The top bar allows you to navigate to the major part of the pages, to grant quick access to every functionality:

From all the pages in fact the user is able to reach:

- his home page

- the page in which he can manage his own notifications about his related events

- the page in which he can manage his invitations by declining or accepting an invitation to an event

- the pages related to the management of events, the first button (create) allows the user to create a new event, instead the second lead the user to a page in which are listed all the events which he is involved with.
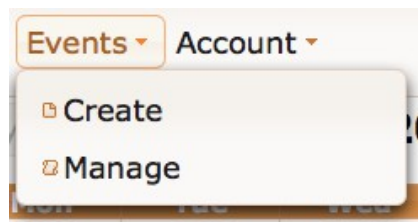
- the page related to the management of his account, the first button redirects the users to the Setting Page in which the user can change his password or add an email, that is not required.
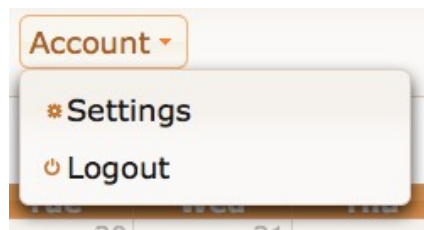
- and then the last but not the least, the search inputText allows the user to reach a page in which are listed all the events and all the users whit a name that matched the researched one.

3. User Functionalities

3.1 Account settings

The setting page contains a table like the one below, as is easily notable it contains a button with which a user can edit his information.

Username:	prova
Mail:	
Privacy Mod:	false
edit	

These operations are done in a different page where there is the form below:

Changing Calendar Visibility Setting

Calendar Visibility:	Visible Hidden
Email	
Previous Password	
New Password:	
Password Confirmation:	
✓ Save	

To change his visibility or to add an email the user doesn't need to modify also his password, he has only to add the new values. Instead as far as the password changing concerns, the user has to insert the previous password and twice the new one as in the registration.
For example if a user decide to add a new email he has just to insert this value and submit his request:

If this operation is completed without problems, then the user is redirected to his setting page in which he can check the updates.

Surely from here the user can update one more time his information and redo the same tasks.

NOTE: Our system validates also the email by checking the match with a pattern. In case the email isn't valid the field will be marked in red when the data is submitted.

Please also note that entering an invalid password will show the user an error page.

3.2 Events

3.2.1 Event Creation

By pressing the below button the user is redirected to a page in which he can create a new event.

This page contains the following form:

This form as all the forms in our webSystem has to be totally fulfilled , conversely error message are displayed and the creation is not executed. This form is really easy-to-use in fact its fields are fulfilled with helpful components, as is shown in the pictures below:

You can select only cities that really belongs to the selected country.
In order to avoid problems of format, we provide a helpful calendar to choose the ending and starting dates and the times for your event.
Moreover the user can add participants by putting their username in the textarea, it's important to separate them by commas as is indicated.

Once the user create a new event is redirected to the event page, in which is recognized as the event's creator and so he can decide to make more updates like change the location or the scheduling and also he can add more participants to his event.

As is notable from the creation form, the user can also insert information about the event's typology. It's important to state that the event could be indoor or outdoor, however this information is not used to evaluate the weather conditions compatibility.

During event creation it is also possible to invite any number of users registered in the system. To do this insert their usernames in the text area as the following example shows:

"User1, User2, User3"

After event creation, the creator will be able to invite more users on the event page.

3.2.2 Event Updating

This operation his allowed only for the event creator. The related page contains a form that is shown in the picture below:

In which are indicated the current informations of the created event, and the user can edit it or add more participants by inserting their username once per time.

If the user decides to update his event, he's redirected to a properly page in which he can change the current values. The most important form of this page is the one shown in the picture below:

This form is exactly as the creation one, the only difference is that here is not possible to add more participants because of this operation is available in the previous page.

The user can see a summary of the events to which he participating or of which is the creator, thanks to the event management button in the topbar. By pressing this button

3.3 Notification Management

This page is reachable throw the topbar, when it contains new informations the user is alerted with a notification number in the topbar that is alongside of the flag icon.

By pressing this button, the user is redirected to the notifications page. In this page the user can see all the notifications concerning the events to with the user participate or is the creator. From this page the user can easily navigate to the page of the related event , once the notifications are seen the value alongside of the flag icon in the top bar 'll be reset to zero.

Id	Event Name	Type	GoodWeather	DateTime
1	Event	WEATHER_NOTIFICATION	false	2015-01-24T19:20:33.527
2	Event	SUGGESTED_CHANGE	false	2015-01-24T19:20:33.695

The data shown is represented in a rough formata in this release of the platform. We plan on improving on this in future release. As a reference, the user may use the following guidelines to interpret the notifications.

The notifications are of three different types:

- Weather notification:
  - Represented by "WEATHER_NOTIFICATION"
  - This notification tells the user that the weather conditions for one of his events are bad if the GoodWeather column is false, or good if the GoodWeather column is true.
- Change notification:
  - Represented by "EVENT_CHANGE"
  - This notification tells the user that the creator changed some data relative to the event represented in the "Event Name" column.
- Suggested change:
  - Represented by "SUGGESTED_CHANGE"
  - This notification tells the creator of an event that a suggested re-schedule for his event is available, since the forecast conditions for his event are considered bad.

NOTE: The weather conditions are considered bad depending only on the weather condition the creator selected as adverse. The fact that an event is indoor or outdoor has no influence over this evaluation.

When there is a notification the user can also notice it because of in the event page seen as the creator, there is one more button:

This button is present only when there is incompatibilities between the real weather conditions and the required ones. As it was already state, the system make this evaluation only according to the weather forecasts and not to the event typology.
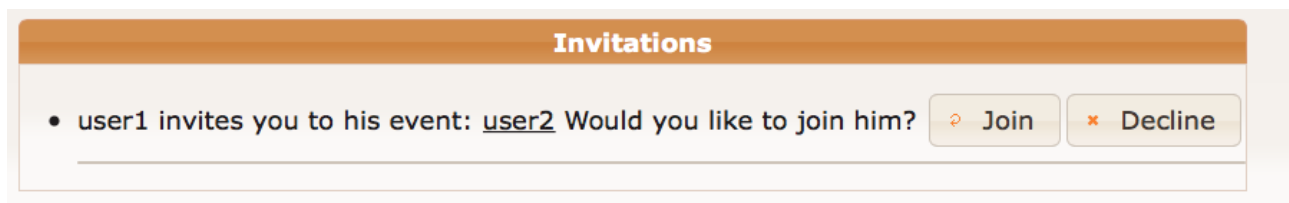
| Suggested start | 2015-01-28T15:00 |
| Suggested end | 2015-01-30T15:00 |

✖ Discard Suggestions   ✔ Accept Suggestions

In this page are shown the new dates that have been rescheduled from the system according to the weather conditions

3.4 Invitation Management

By pressing the button to the side of the envelope icon, the user is redirected to a page in which are listed all the invitations sent to him. Here he can either accept or decline an invitation. According to these choices the calendar will be updated with possible new events.

According to the pattern used for the notifications, the user is alerted from the presence of invitations throw the represented button:

✉ **1**

Invitations

- user1 invites you to his event: <u>user2</u> Would you like to join him?   ↻   Join   ×   Decline
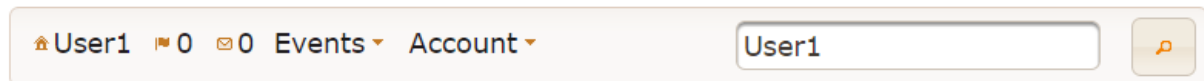
3.5 Search

The system offers his users the possibility of searching for users and events on the system. The search functionality can be accessed from the top bar, by entering text in the area represented below and pressing enter.

The user will be redirected to a page where the search results are shown.

The system will automatically search both for matching events and users. From the results page the user will be able to access the page relative to any of the results by clicking on the links shown.

At the current state of the system the result matching is done as follows:

- Users:
  only users with username equal to the searched text will be shown. This limits the results for user search to one.
- Events:
  only events with name equal to the searched text will be shown. Sinche the event name is not unique this doesn't limit the results cardinality to one.