MeteoCal User Manual

Authors:
Claudio Sanna
Walter Samà

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Contents

Chapter 1

Introduction

Welcome to MeteoCal! In this document you can find how to use our application and all the function we have implemented for you. If you have any question or doubts, please contact us on the email that you can find in the "Contacts" Page on the guest home. Now we don't use the email to send you notification but this is a function we have in mind to add in the further updates, if you have some advise or problems please contact us.

1.1 Modification to the right behaviour

In order to show you how the system will update the weathers we have set the time between 2 different updates to "5 Minutes" although it could sometimes slow our application.

1.2 Known bugs

- we know that the weather forecast could not be very precise, we are taking the information from an external site using a library developed from another people, so there can be different forecast from the reality ones, but we think that it is working quite well so the only advise for you is to write the City of your Events based on the language of the country (Milano in Italy, London in England) although it is possible that the library recognized the cities correctly also in other languages.
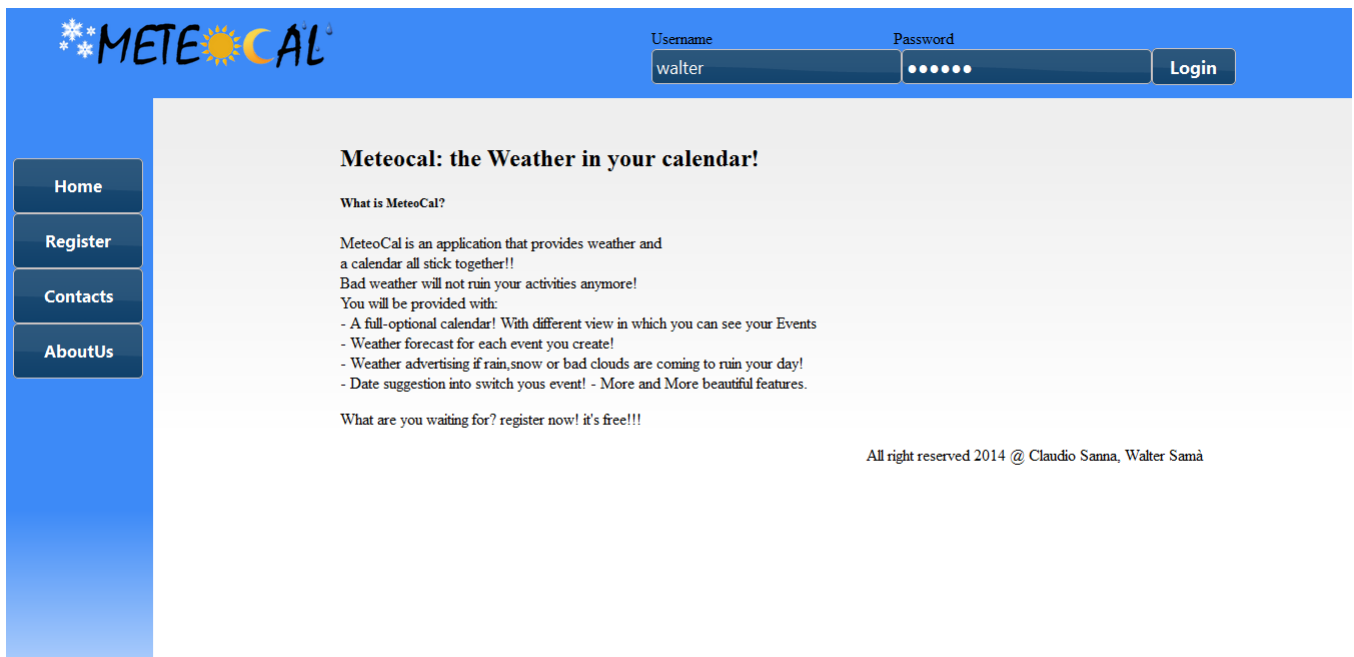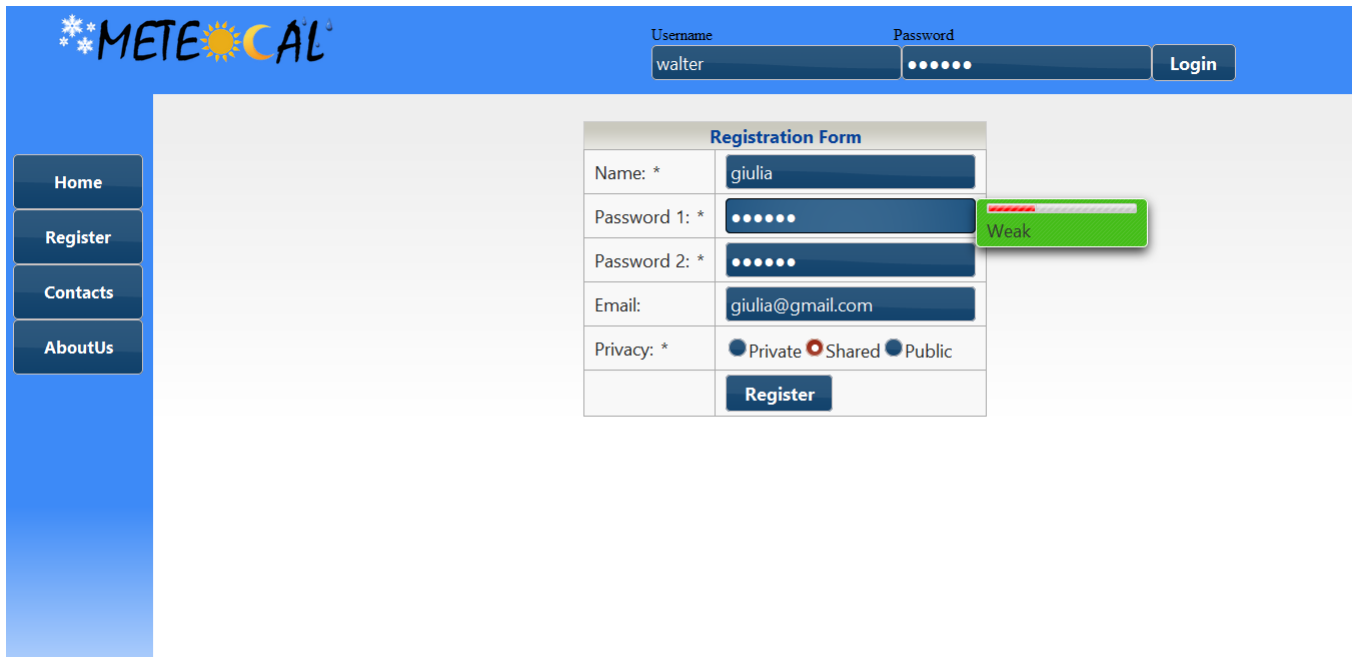
Chapter 2

Registration and Login

Figure 2.1: Guest Home

In order to access to our application you have to go on our guest home page, here you can use the bottons on your left to access to:

- **"About Us" page**: where you can find information about the application and about the admin's of this application.
- **"Contact" page**: where you can contact the admin via mail.
- **"Register" page**: where you can register to the application and join us.

In the upper right side of the guest home page you can find the login form where you have to insert your access data and then click on the login button to go to your home page. When you insert the username and the password, if they are right you will be redirected to your homepage, otherwise the system will warn if there is something wrong.

2.1   Registration Form

Figure 2.2: Register Page

When you go to the registration page you have to compile a form including:

- Username: Your name in the application, it will be unique and the other users can find and invite you with this name.
- Password: A personal alphanumeric code used to enter in the application, the page will tell you how good is your password in terms of security, be sure to not insert a weak one.
- RepeatPassword: you have to repeat the previous password for the security.
- Email: you have to enter a valid email but you won't receive any email until the next update. We will introduce new function in the future where we could use this field.
- Privacy: here you can chose from public, private or shared calendar, if you set it to public every user can see your calendar (if they know your username), this option could be changed in future using the "Settings" feature, also adding some users to your shared calendar.

Note that you can't:

- leave some blank field
- enter a username that is already used
- enter a password with less than 5 characters
- enter a repeatPassword different from the password
- enter a mail that is not correctly composed

The application will warn you if you insert them wrong when you will click on register.

Chapter 3

User's Home Page

If you have done a correct Login you will now see your Main Page, here you can access to all the functions that our application offers, this could be also done in the pages that are reachable from this one. Here you can see a brief description of the structure of the page which is shown in the image in the next page.

3.1 Description of The Home Page:

- In the upper right side you can Logout from MeteoCal, remember that your session expires in 30 minutes, but you still have to stay at least on the home page.
- In the upper left side you can perform searches to find users, and if they will have a public calendar, or if they *shared their calendar with you*, you can go and look their home page; remember that you can see the home page but you can't modify other's events, the left buttons referred to your calendar.
- **"Home" button**: if you are in other pages you have to click on this button to return to your Home Page.
- **"AddEvent" button**: here you can go to another page that allow you to create an event or more than one.
- **"Notifications" button**: here you can go to another page that allow you to see the list of your notifications (Invitations, Response to Invitations, Update of some events, Weather Updates in case of badconditions).
- **"Settings" button**: here you can go the another page that allow you to change your email, your password and the privacy of your calendar (you can also let the calendar be public only for some other users with the shared function).

Then there is the most important and useful part of your home Page.

3.2 Calendar Views

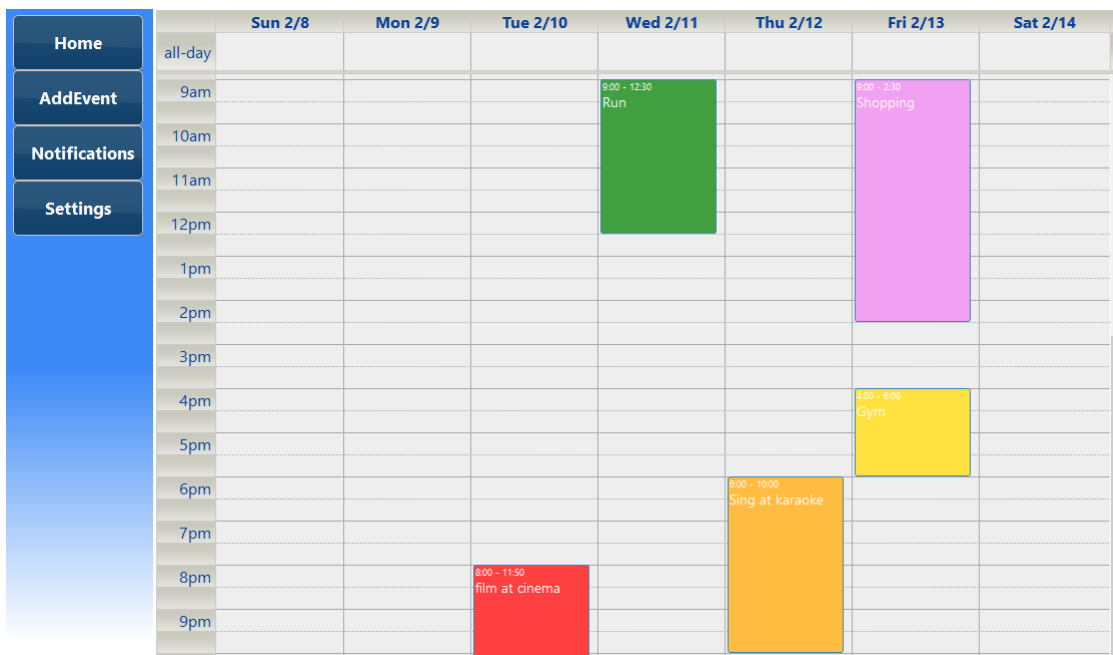Figure 3.1: Main Page, User's Calendar - Month View

Figure 3.2: Main Page, User's Calendar - Week View

Here you can see your events in a graphical way, there is a cell for every day with a short title of the events that will be taken in that day. If you create an Event of even if you accept to participate in one or more event, a new slot representing this event will be placed on your calendar, so here you can see all your future tasks or commitments. In the upper right side and in the left one of your calendar, you can go to the future months and of course in the past ones. In the upper right side there are also 3 buttons that allow you to change the view of your calendar, you can go from the month view to the week view and also to the day view; this is really useful because if you have many events you can't see them all in the month view.

if you click on an event, in all the possible views, there will be shown a popup with the title of the event and with 1-3 bottons:

- **"Go to event" button**: allow you to go to a page that will show the information about this event.
- **"Update" button**: allow the organiser to go to the same page that you will use to create your events, where you can see the event information and update them or also change them.
- **"Delete" button**: if the organiser click on this button the event will be deleted.

In the next page we will describe how to create your events; how to interact with the notifications, how to modify your settings and how to search and visualise another user's calendar.

Chapter 4

Event Management

When you click on addEvent (or when you click on update Event) you will be redirected to this page, where you have to complete the form and then click on create (Update) Event; here we will describe how to correctly fill all the fields. The only things that will change if you click on update event is that you will see the precomputed field with the information of the event. Note that the field with '*' are mandatory.

Figure 4.1: Create/Update Event Page

- **"Title"**: The title of the event, you can insert at most 40 characters;
- **"Location"**: Here you can insert the location of the event, it could be everything you want, the name and position of a park for example. You can insert at most 40 characters.
- **"City"**: Here you can insert the city of the event, note that the weather will be calculated for this city so write the correct Name of it. You can insert at most 40 characters.
- **"Starting and Ending Date"**: you can chose the days in the calendar.
- **"Starting and Ending Time"**: you can chose the times using some sliders.

- **"Repeat Type"**: you can chose the type of repetitions you want to apply to your event, from ("everyDay, everyWeek, everyMonth, everyYear"). Remember that: (everyMonth) indicates the same (dayOfMonth) of this event and (everyYear) indicates the same (dayOfMonth) and the same (monthOfYear). You have to indicate and (UntillDate) for the repetitions because you can't repeat the events forever. For the first release you can't repeat the events that last more than 1 day.
- **"Untill Date"**: you have to indicate the date when there will be the end of repetitions; excluding the indicated Date.
- **"Description"**: you can enter some text to describe your event, how it will be taken and whatever information you want. You can enter at most 1000 characters.
- **"BadConditions" switch**: it will show some other field in case you want to set some "bad conditions" for the event, so that the system will control the weather for you telling if there is bad weather.
- **"Layer Type"**: you can choose to be warn if the weather is "Cloudy, Rainy or Snowy".
- **"Temperature"**: you can choose with the slider the minimum temperature that you allow for your event. Note that you have to check the squared boolean box near the slider.
- **"Precipitations"**: you can choose with the slider the minimum mm of precipitations that you allow for your event. Note that you have to check the squared boolean box near the slider.
- **"Send an Invitations to"**: you can choose the user to invite to your event. Remember that you have to write the username of the user separate with a ';'. Note that you have to check the squared boolean box near the slider.
- **"Color Type"**: you can choose the color of the event, that will be shown in the calendar.
- **"Set Privacy to"**: you can choose the privacy of the event.

4.1 Possible Errors

You have to enter all the mandatory field, otherwise an error is shown. You have to wait until the "Event Created" message is shown when you click on Create/Update Event. The operations should be fast but if you repeat the event many times/sending many invitations/choose some badconditions for many repeated events/create an event that last 3 months it could be necessary to wait many seconds; if you have to wait for more than one minute, please send us an email with your detailed problem.

The system will show you some messages if you:
- select a starting date that is in the past.
- select an ending date that is before the starting date.
- select a starting time that is before the time in which you create the event; edges situation are really advised against.
- select an ending time that is before the starting time.
- select a repetitions without adding an untillDate.
- select a repetitions if the event last more than one day.
- select an untillDate that is before the event date.
- check the invite field without insert any username.

Remember that when you create an event that last more than one day or a repetition event, actually you are creating multiple events, so in the future updates they are distinct.

4.2 Update Function

This is a troublesome part, but we want to allow you to modify an event as you wish. You can:

- change the title, location, city, description, color, privacy and adding invited without modifying the behaviour of the badconditions or the response of the invited users.
- change the date and time of your event: it will cause the system to check if the other already invited users are free in that date or time (they don't have events overlapping), and in this case it will conserve their response of the invitation (remember that they can change idea when they want).
- change the type of the event: you can change the ending date of the event or you can add a repetition to the event, and this allow you to create other events that are equal to the one you are modifying, with the same badconditions and invited!
- add, modify or even delete badconditions for this event.

Chapter 5

Notification Management

When you click on Notifications you will be redirected to this page, where you can see the full list of them and clicking on one of them you can see the popup with the information of the notification and optionally the button that allow you to go to the page that will show the event. The new notifications will be shown to you with a BOLD text, if you click on a notification its text will become normal, so that you can distinguish the new one from all of them. You could also navigate between the notifications using the arrow in the upper right and upper left side.
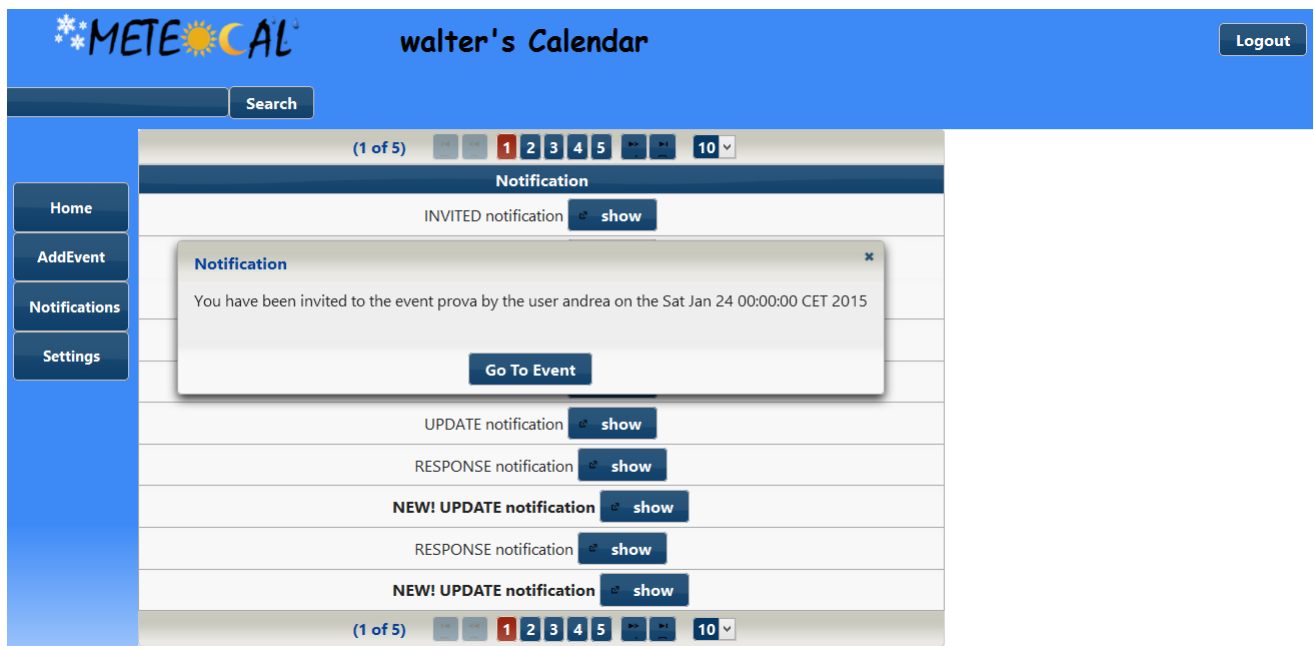

Figure 5.1: Notifications Page

When you are invited to one event, a notification will be appear and going to the event from this notification you can also click on participate or decline, to accept/decline the invitations, you can change your decision whenever you want.

Chapter 6

Settings Management

When you click on Settings you will be redirected to this page, where you can complete the forum and modify your data.

Figure 6.1: Settings Page

If you check the squared boolean box of "new email" you can modify it, remember that the system will only control if you have inserted a syntactically corrected email, but it does not control if the email is valid for now. If you check the squared boolean box of "new password" you can modify it, you have to insert a password that is longer than 5 characters and you have also to repeat this. You can change the privacy of your calendar, also adding some valid user in case of a shared calendar. Then you have to insert the old password, otherwise the different settings will not be saved.

Chapter 7

Show Event

When you will click on "go to event" you will be redirected to another page that will show the event information (title, location, city, starting date, startingtime, endingtime, color, eventprivacy, badconditions fields if they are present) and also:
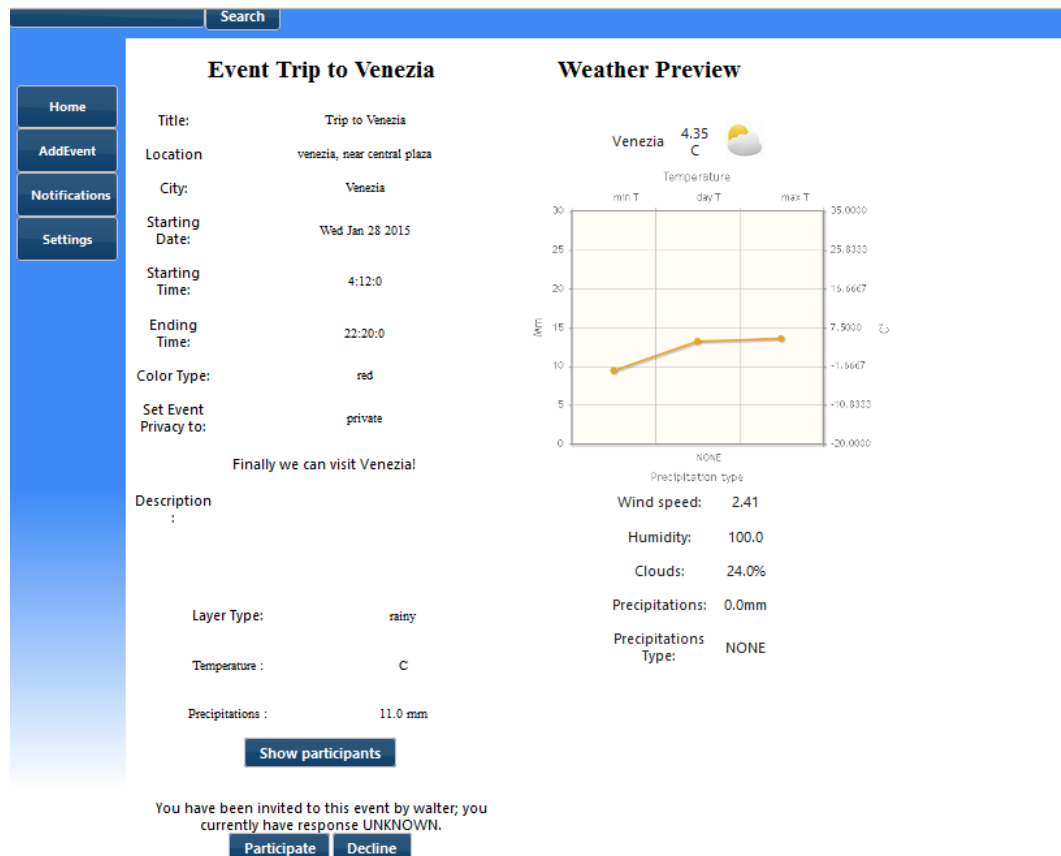

Figure 7.1: ShowEvent Page

- **"Show Participants" button**: by clicking on this button you can see the list of all the participants to this event with their response, the graphic is very intuitive.
- **"Weather preview"**: in this part of the pages you can see the weather preview, with information regarding: temperature and precipitations (also with a graphic), wind speed, humidity, % of clouds and the type of precipitations, we take the data from an external and opensource site, so for now we could not say that the data are really precise.

Chapter 8

Search Management

When you perform a login, in the upper left side of every page you can access to our function that allow you to search for other users, you have to write the username of the people you want to find and clicking on Search you will be redirected to another page. In this Page you will see a table formed with 1 row and 3 columns; if the user you try to search exist in our application you can see:

- his **Username** in the first column.
- his **Calendar's privacy** in the second column.
- a **button** in the third column that is enabled if the user has a public calendar or even if he decide to share its calendar with you
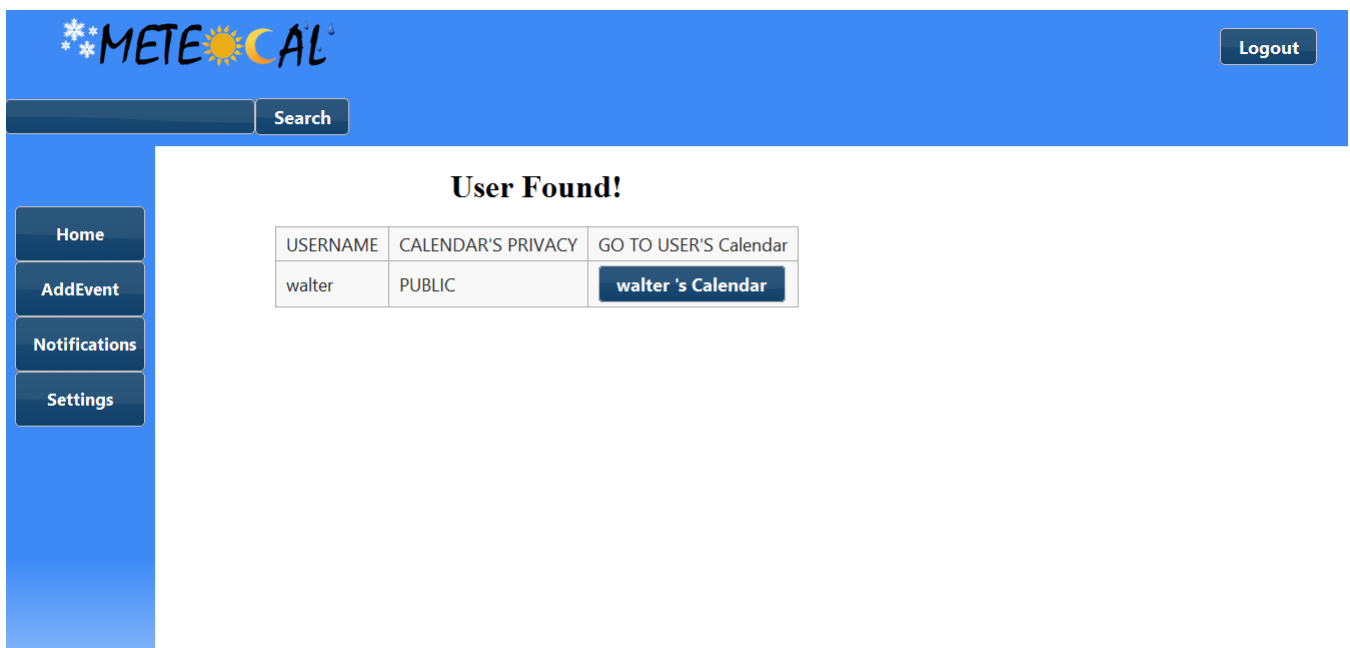

Figure 8.1: Search Page

If you can click on this button you can go and see the Calendar. This Calendar will contains some events: if the searchedUser has some events (accepted or created on his own) and if these are private you can only see the slots of time in which he is occupied; otherwise, if these events are public, you can go and see the event's information in the page dedicated to. (In these Images the only Public Event is "Run").
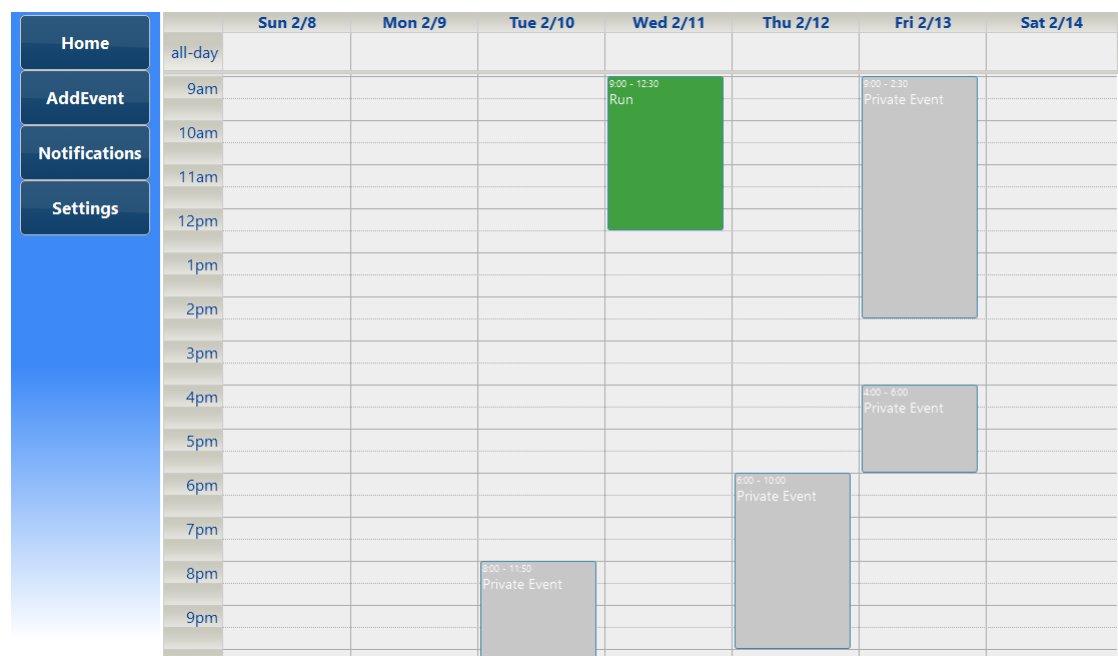

Figure 8.2: Searched User's Calendar - Month View

Figure 8.3: Searched User's Calendar - Week View