

# REFERENCE MANUAL – ASSIGNMENT 2

All the actions performed in the front-end (for example creating an event, deleting a calendar) have their own consistent reflection on the database.

The steps listed below represent what is necessary to run the application on the virtual machine:

```
sudo apt-get update
sudo apt-get install npm
sudo apt-get install mongodb
sudo apt-get install node
sudo service mongodb start
sudo nano /etc/mongodb.conf (and type) smallfiles true; //not enough space on the VM
sudo chmod +x ./stage1/bin/www
cd stage1/bin
sudo screen -dmS PROJECT ./www (launches the service)
```

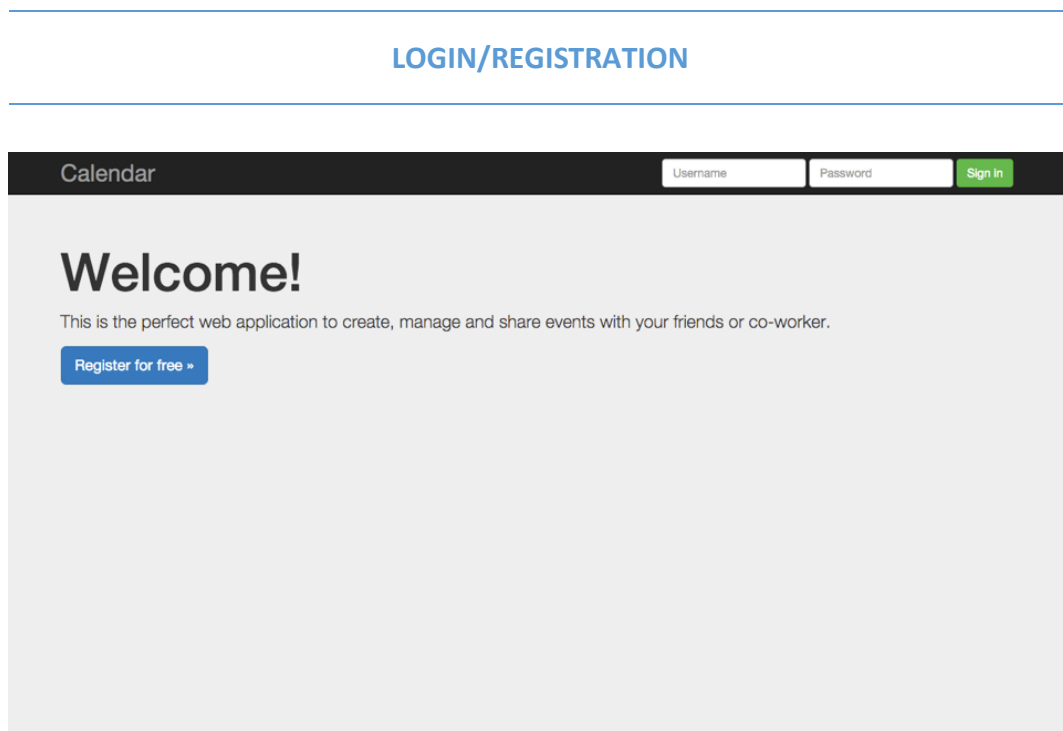


Figure 1 Login and Registration

By clicking **REGISTER FOR FREE**, the page content changes and the website asks for email and password to proceed with the creation of a new user. If the username is already in use, the creation will be stopped. In the navbar it is possible to perform the **LOGIN**, by submitting the credentials. If everything is ok, redirection to the user's home page; if not, an alert will tell the user that the login procedure is not valid.

## HOME PAGE

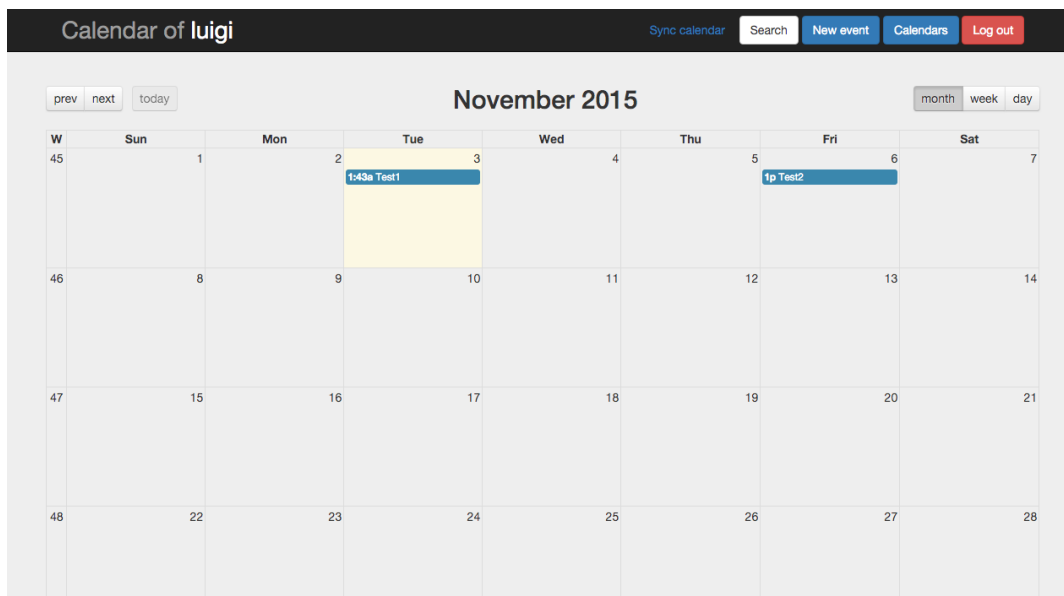


Figure 2 Home Page

It has been provided the daily, weekly and monthly view, the arrows to move towards the months and the **TODAY** button; events' titles are listed in the homepage, to see the complete information, the user needs to click on the event. Useful buttons can be found on the navbar. By clicking **LOG OUT**, the token will be invalid and the user will be redirected to the registration/login page.

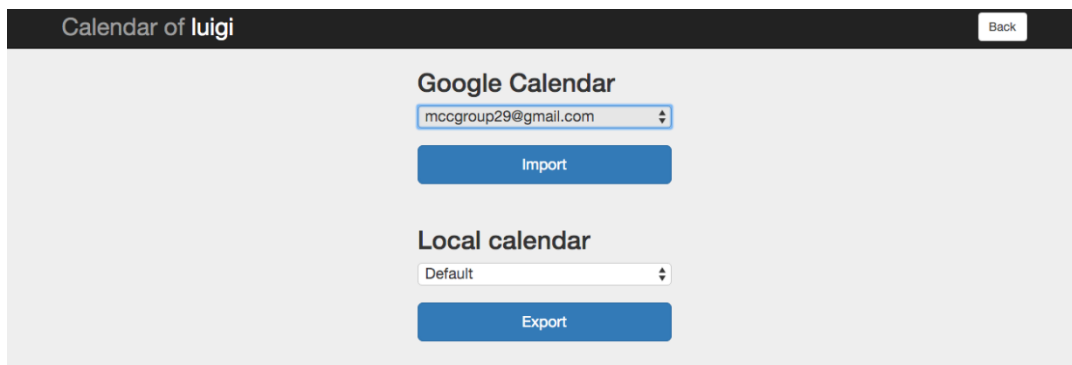
Figure 3 Search

Below these fields, is placed the calendar, when they have been filled and **SEARCH** has been pushed, the AJAX provides to change the contents of the page according to the searching criteria.

---

## SYNCHRONIZATION

---



The screenshot shows a web interface titled "Calendar of Luigi" with a "Back" button in the top right corner. The main content area is divided into two sections. The first section, "Google Calendar", features a dropdown menu with "mccgroup29@gmail.com" selected, an "Import" button, and the second section, "Local calendar", features a dropdown menu with "Default" selected and an "Export" button.

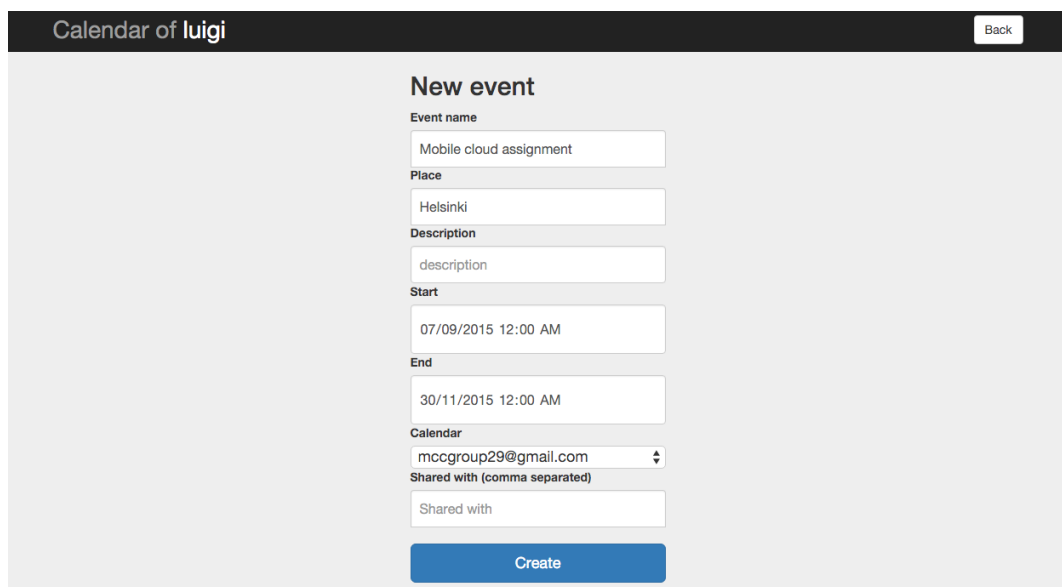
Figure 4 Google sync

When the user clicks on [Sync Calendar](#), the website shows him two choices: [Export iCal](#) and [Google Calendar](#). With the former, the client will be redirected to a page where he can export one of his own calendars in the iCal format; choosing the latter, he will be asked to login with his own Google account and to allow the application accessing to (part of) his information (Oauth 2.0 has been used). As soon as he clicks [Allow](#), this will be the page displayed. With this system he is able to synchronize his own events between the service and Google calendar.

---

## NEW EVENT

---



The screenshot shows a web interface titled "Calendar of Luigi" with a "Back" button in the top right corner. The main content area is titled "New event" and contains a form with the following fields: "Event name" (with the value "Mobile cloud assignment"), "Place" (with the value "Helsinki"), "Description" (with the value "description"), "Start" (with the value "07/09/2015 12:00 AM"), "End" (with the value "30/11/2015 12:00 AM"), "Calendar" (with the value "mccgroup29@gmail.com"), "Shared with (comma separated)" (with the value "Shared with"), and a "Create" button at the bottom.

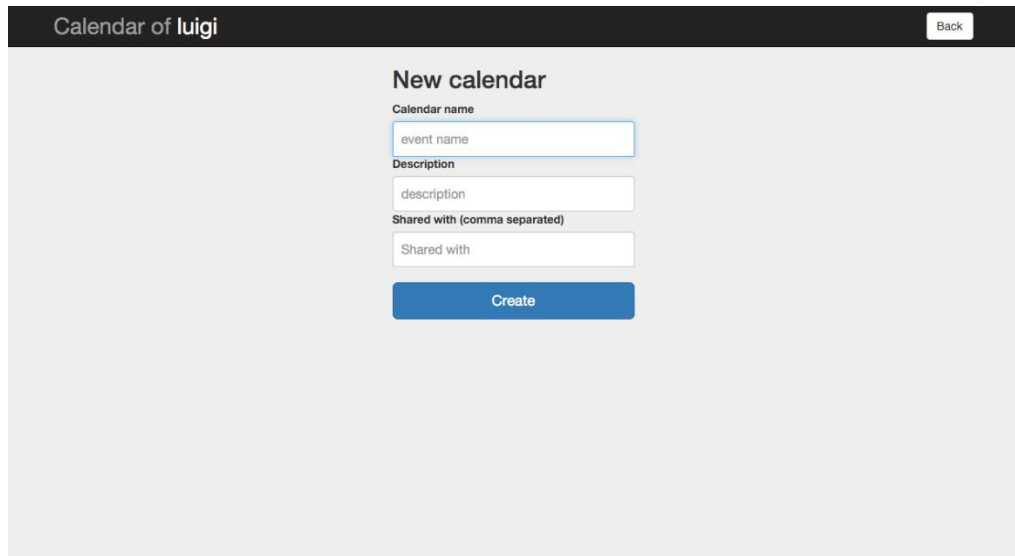
Figure 5 New Event

This is the webpage displayed when the user clicks on [New Event](#). By default, the event will begin in that moment and last for one hour. Is possible to edit an event by clicking on the event's title placed in the calendar. This page is like the previous one, with one button more in the navbar that allows the user to delete it.

---

## NEW CALENDAR

---



The screenshot shows a web application titled "Calendar of Luigi" with a "Back" button in the top right corner. The main content area is titled "New calendar" and contains a form with three input fields: "Calendar name" (placeholder: "event name"), "Description" (placeholder: "description"), and "Shared with (comma separated)" (placeholder: "Shared with"). Below the form is a blue "Create" button.

Figure 6 New Calendar

By pushing the [CALENDARS](#) button in the user's home page, the website will display two options: editing a calendar and creating a new one from scratch. Like with the events, the edit and new page are the same.