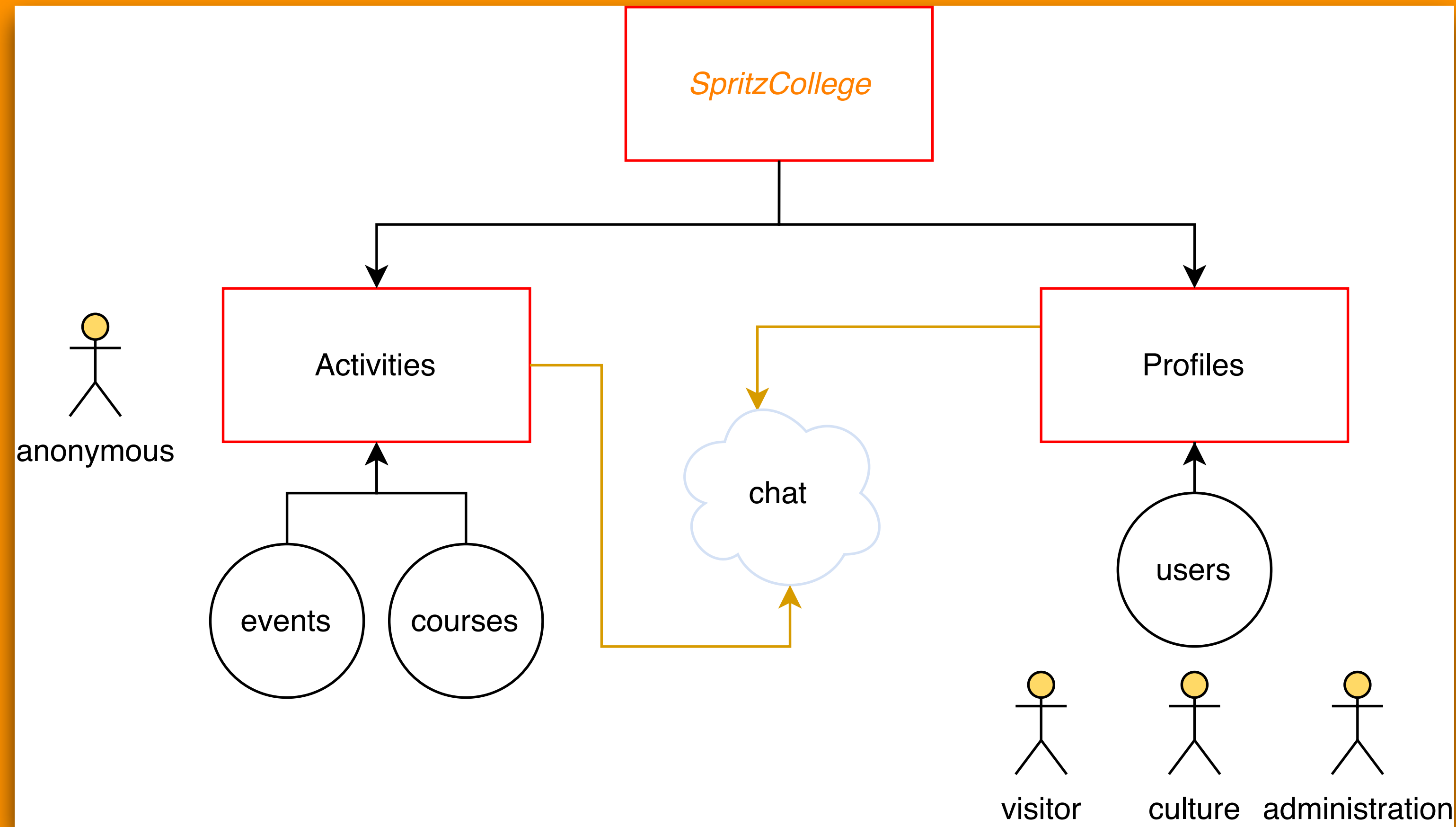




SpritzCollege

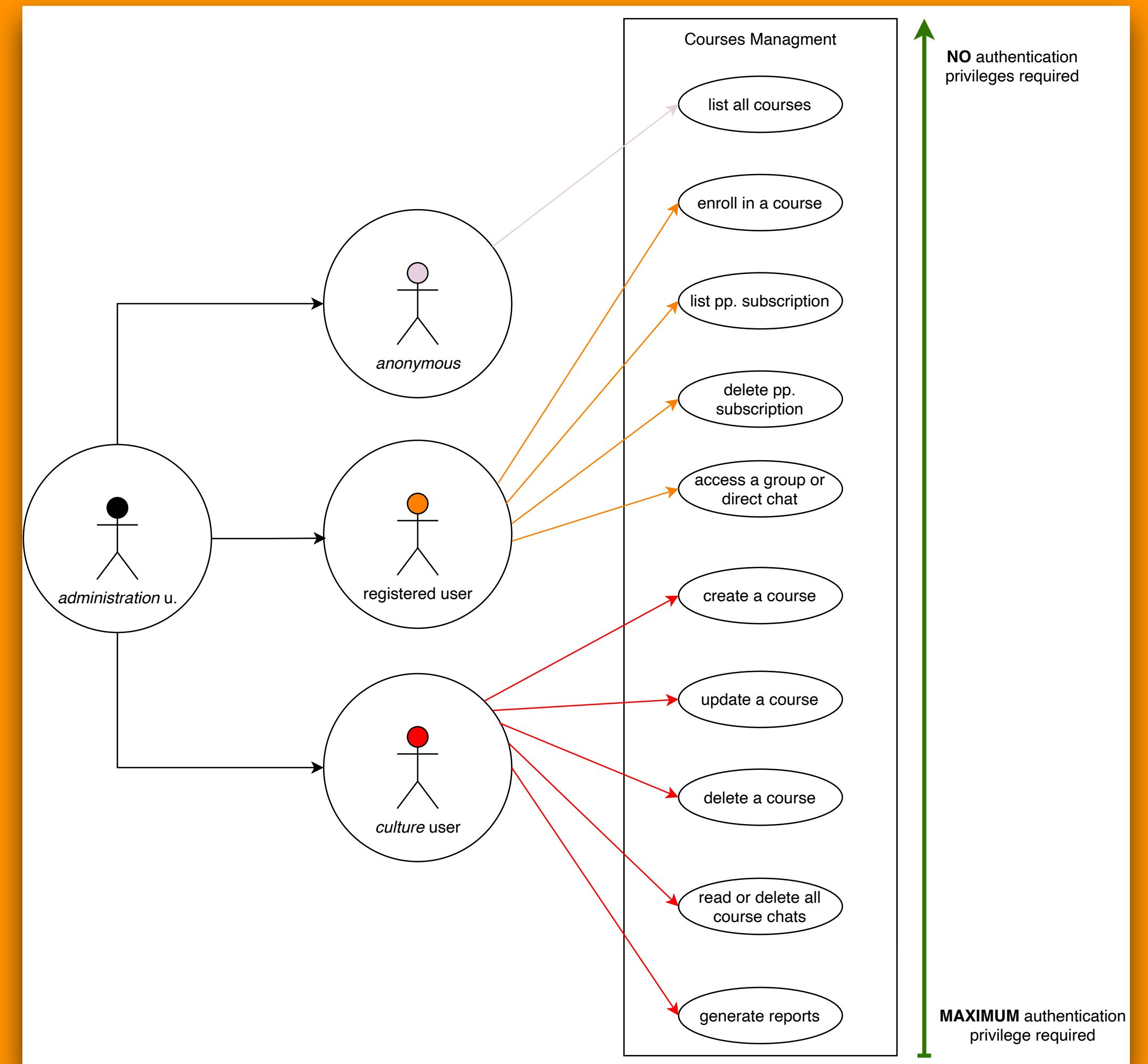
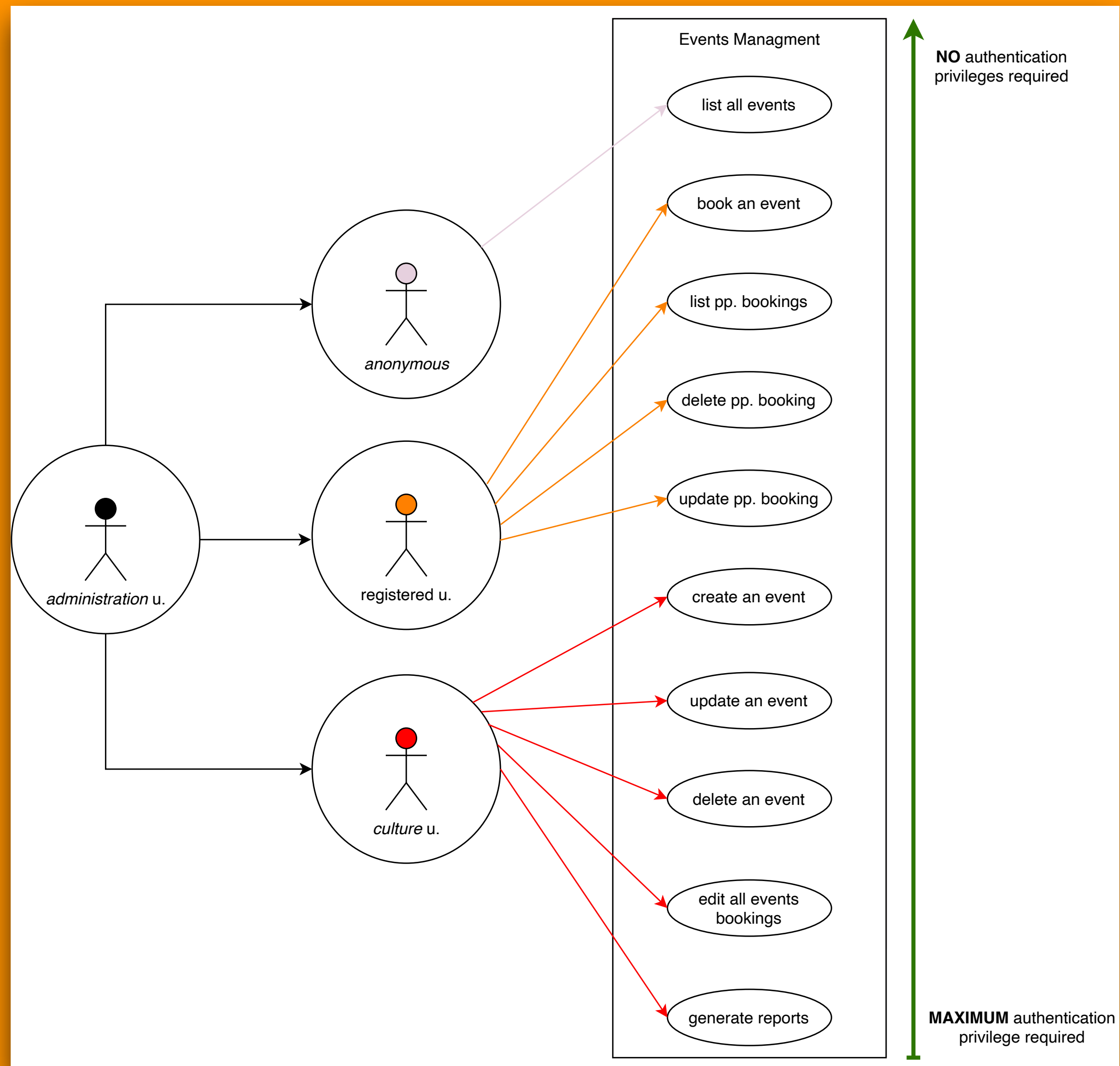
Web App - University Hall

SpritzCollege is more than just a place to stay; it is a vibrant community designed to support and enhance the student experience.



two main apps: **Activities** and **Profiles**

Activities manages information about events and courses:
users can browse available events and courses, register, and book seats.



includes more types of users,
distinguished through *mixin* or *filters*

in addition to *CRUD* methods, users
can *chat* with each other.


```
1 def group_required(group_name):
2     def in_group(user):
3
4         if user.is_superuser:
5             return True
6
7         if user.groups.filter(name="administration").exists():
8             return True
9
10        return user.is_authenticated and user.groups.filter(name=group_name).exists()
11
12    return user_passes_test(in_group)
13
```

```
1 class CultureGroupRequiredMixin(UserPassesTestMixin):
2     def test_func(self):
3         user = self.request.user
4         return user.is_superuser or user.groups.filter(name='administration').exists() or user.groups.filter(name='culture').exists()
```

New Event - SpritzCollege

Name:


Description:

Date: 11/06/2024, 21:52 

Price: 0,00

Max capacity: 100

Place: conference room


Duration: 01:00 



Every activity's panel extends **base.html** template: a master page with a form and black background.

All models of **Activities** are implemented with **clean methods** that verify the correct insertion of values.

Data Structures → Enrolling

Course: Data Structures 



Some **demonstrative tests** are developed here: tests on **application code** and tests on **client-side** views.

Events - SpritzCollege

ask for something:

field:

status:

Start Date:

End Date:

 Search

 Show all events

New event

Web Technologies Exam

Exam to verify skills for web technologies and the django framework.

Alumni Networking Event

Event for alumni to reconnect and network with current students and faculty.

Festa della Musica

A music festival featuring performances by New Candys and Ditz (UK).

Languages Compilers Exam

Exam to verify skills for Languages and Compilers LLVM framework.

Languages Compilers Exam

Exam to verify skills Compilers LLVM framework.

Arti Vive Festival

A cultural festival with music, art installations, and performances.

Villa Summer Festival

A summer music festival featuring Rudeejay.

Fiorella Mannoia Concert

A concert by Fiorella Mannoia.

Pignoletto Fest Warm Up

A music festival featuring Hellripper.

From the **events page**, you can search or filter stored records.

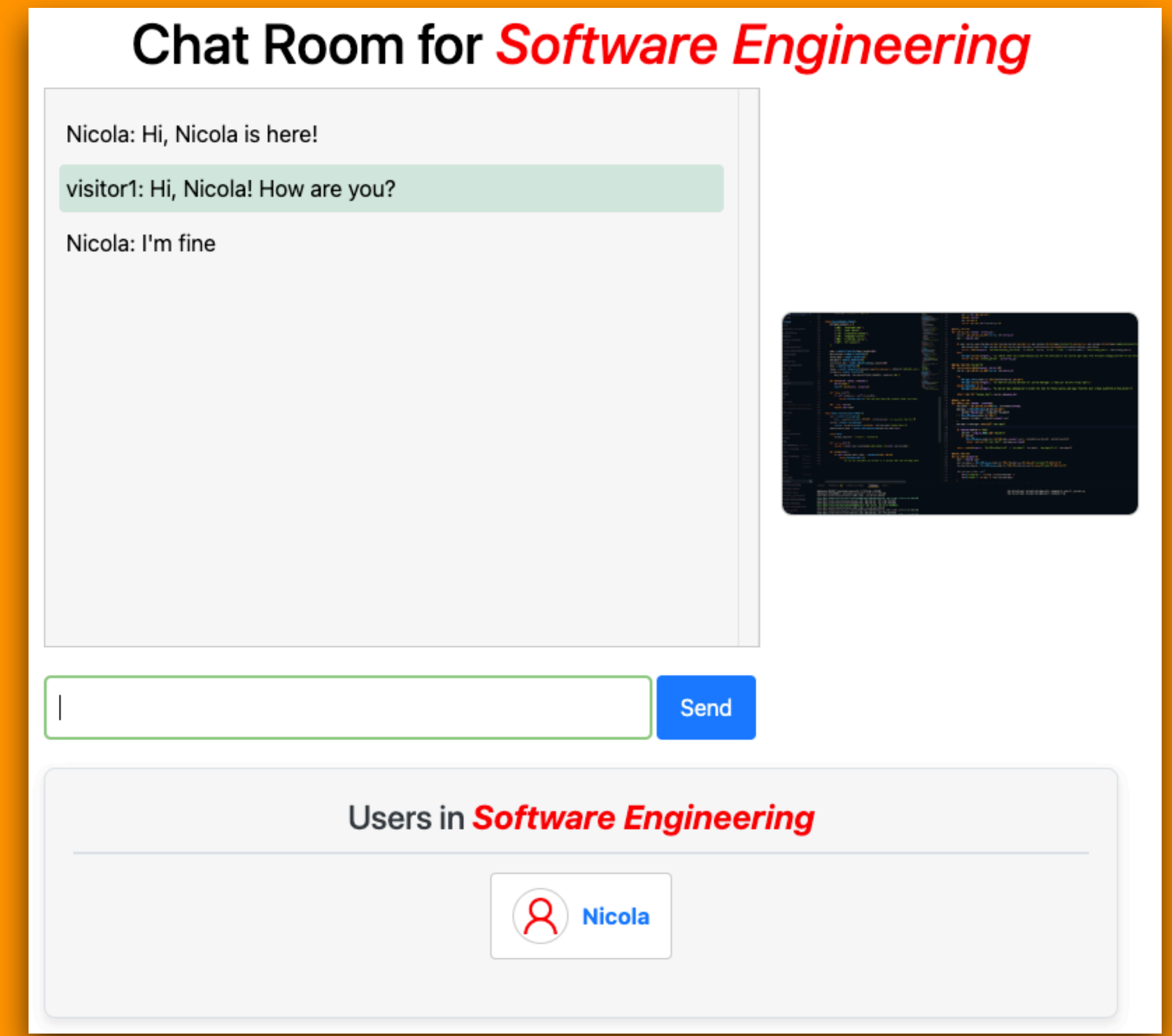
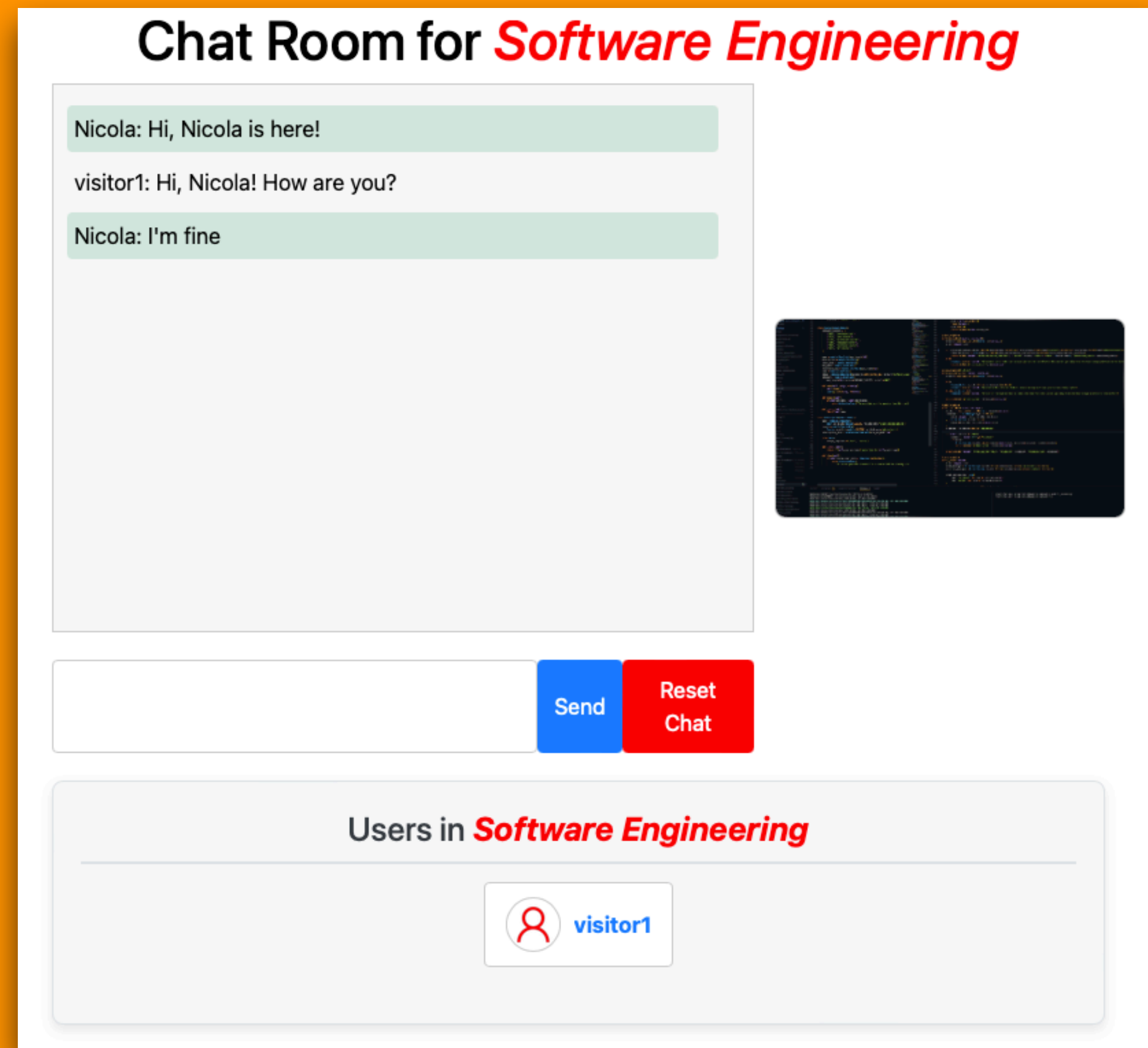
It's also possible to call the method

[db_checkStatus_scheduledEvent\(\)](#)

to start a **thread** that updates the status of stored but past events.

Every hour, the past events will be updated by setting their status to **COMPLETED**.

Users enrolled in the same **course** can use a chat and send messages.
The chat is **real-time** and uses redis and channels to work.





Users can also start a **direct chat**, but this is not **real-time** and works with classic GET and POST methods.


Users can access their own **control room**, where they can see and modify all **personal data** or **booking and registration data**.


There is also a **notifications** panel to get the news offered by institution.


Welcome to the Control Room, where every button leads to a world of possibilities!
*Give me a **button** and I will lift your world!!!*


 My Profile

 My Chats

 Notifications

 My Calendar

 My Bookings

 My Subscriptions

My notifications

[reset](#)

New Event Created: Music and Arts Festival

2024-06-11 22:26

A new event has been created: Name: Music and Arts Festival
Description: Festival showcasing musical and artistic talents of students. Date: 2025-06-10 09:00:00+02:00 Don't miss it!

New Event Created: TEDxModena

2024-06-11 22:26

A new event has been created: Name: TEDxModena Description: TEDx event featuring talks by local thinkers and innovators. Date: 2025-04-17 09:00:00+02:00 Don't miss it!

New Event Created: Science Day

2024-06-11 22:26

A new event has been created: Name: Science Day Description: Day dedicated to science demonstrations and lectures. Date: 2024-11-14 09:00:00+01:00 Don't miss it!

Among the various functions, *administrative* users can generate **reports** in Excel format, or they can print **brochures** or **reservations** in PDF format.



The development of *SpritzCollege* has been rich in creative and technological stimuli. Despite everything, the platform is still in its **primordial state**, both due to the technologies adopted and the limited field experience.

There are still **many aspects** that can be improved or re-implemented, providing us with ample opportunities for growth and enhancement.