studentCollegeFest

Above project uses Spring MVC along with Spring Boot to perform basic CRUD operations on College Fest Registration Portal.

The model *Student* has 4 visible as well as 1 hidden attribute.

They are ->
1. *Id* (hidden)
2. *Firstname*
3. *Lastname*
4. *Department*
5. *Country*
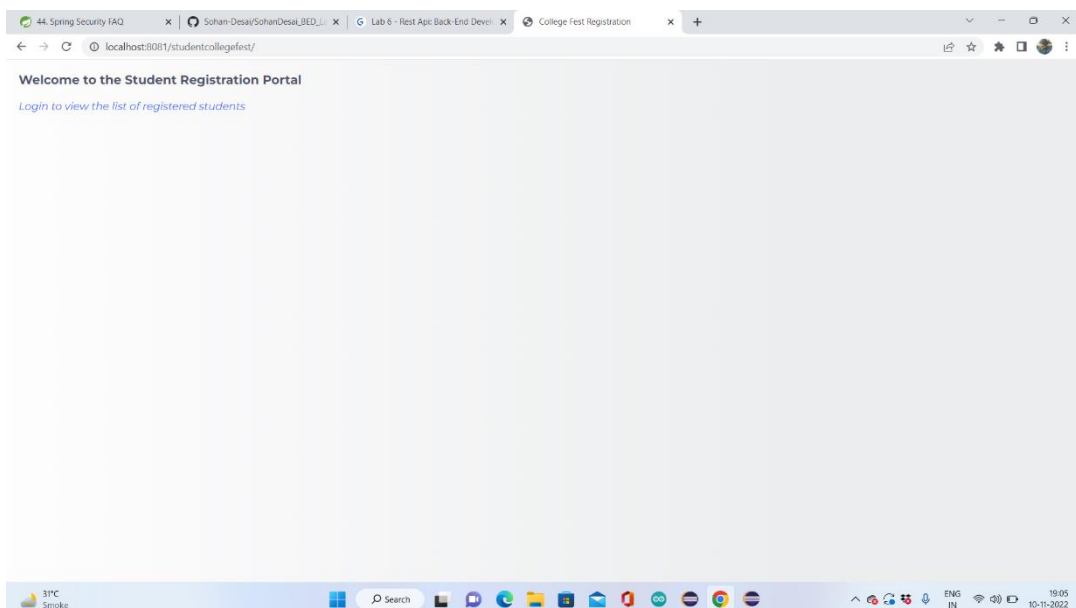
The application performs following functions ->
1. **Create** a new Student record
2. **Read** and display existing records
3. **Update** existing records and save any changes
4. **Delete** from existing records

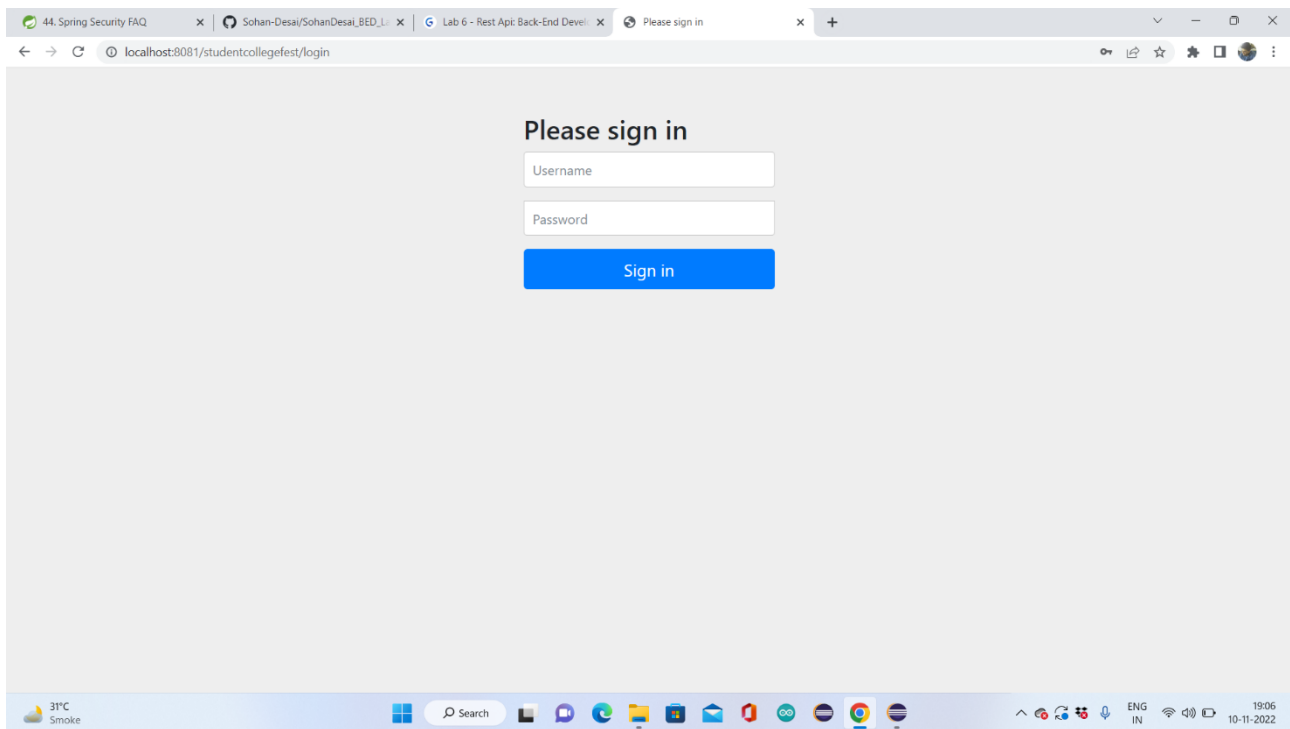The application also has security with roles -> USER and ADMIN

We shall further see each of these functionalities in greater detail
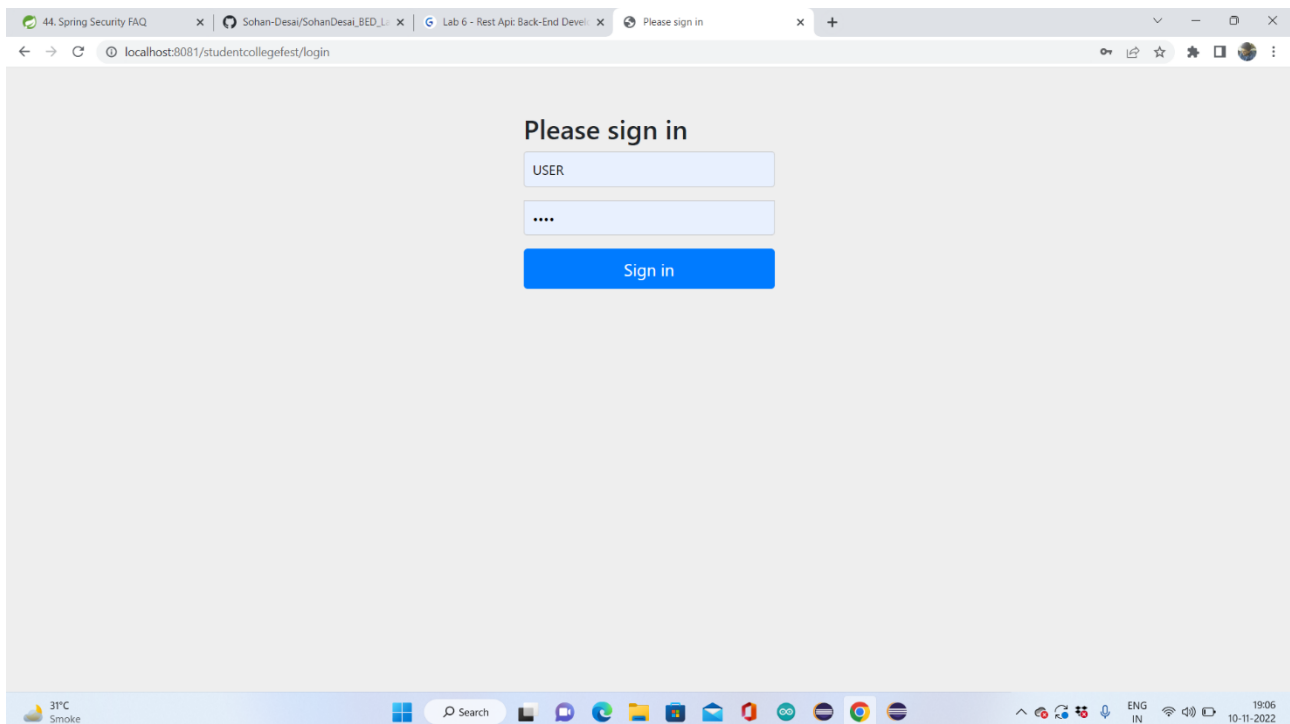
The Home page

This is the default page that gets loaded when the application is booted on Tomcat server. It has a welcome message and link to **Login page**
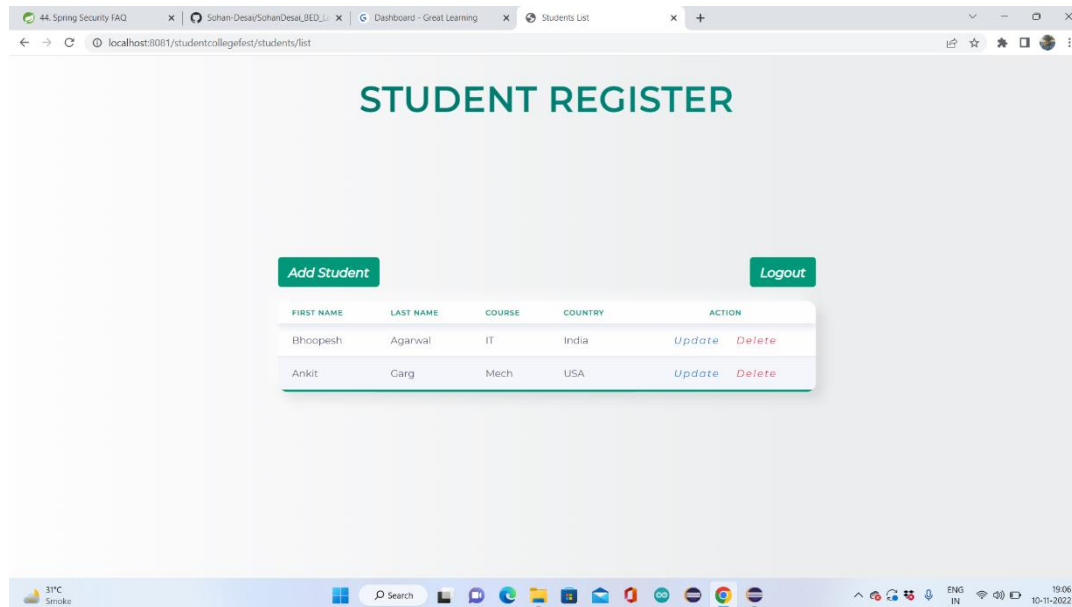
Login page

Logging in as USER

Student List page

Upon clicking on before mentioned link, we arrive at Student list page. This page contains a header, a table a **Add Student** button and a **Logout** button.
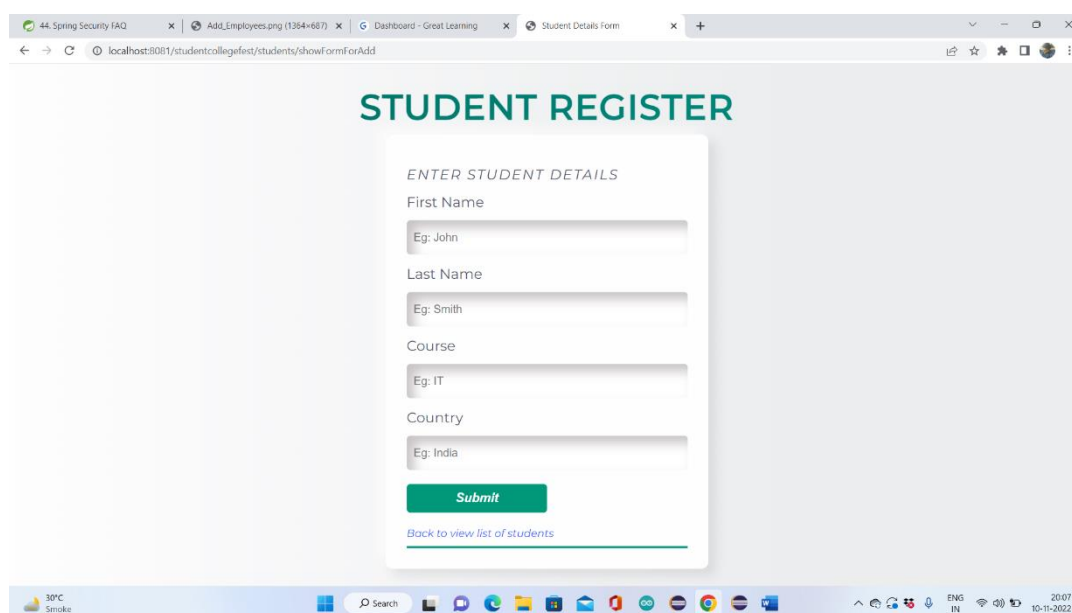
We find two records already present. User can view Student records.

The table has 5 columns. First four of which 4 are student attributes whereas the fifth column is an action column. This column will display the action buttons viz. **Update** and **Delete**.
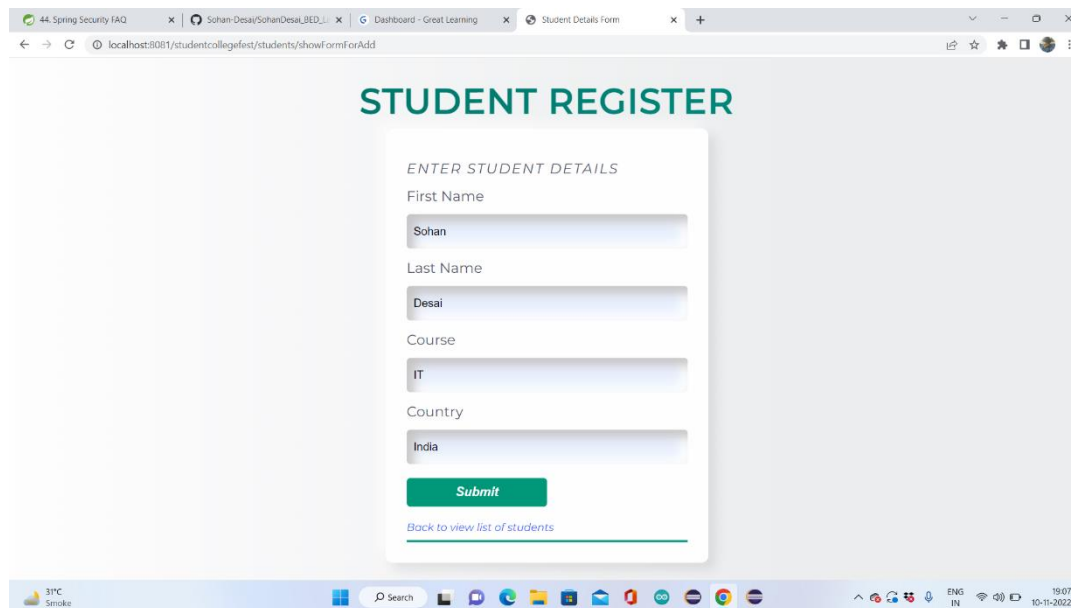
Clicking on **Add Student** button takes us to student form page.

Student Form page

This page has a header row displaying text "Student Details Form". Below it are the 4 fields along with their labels followed by the **Submit** button
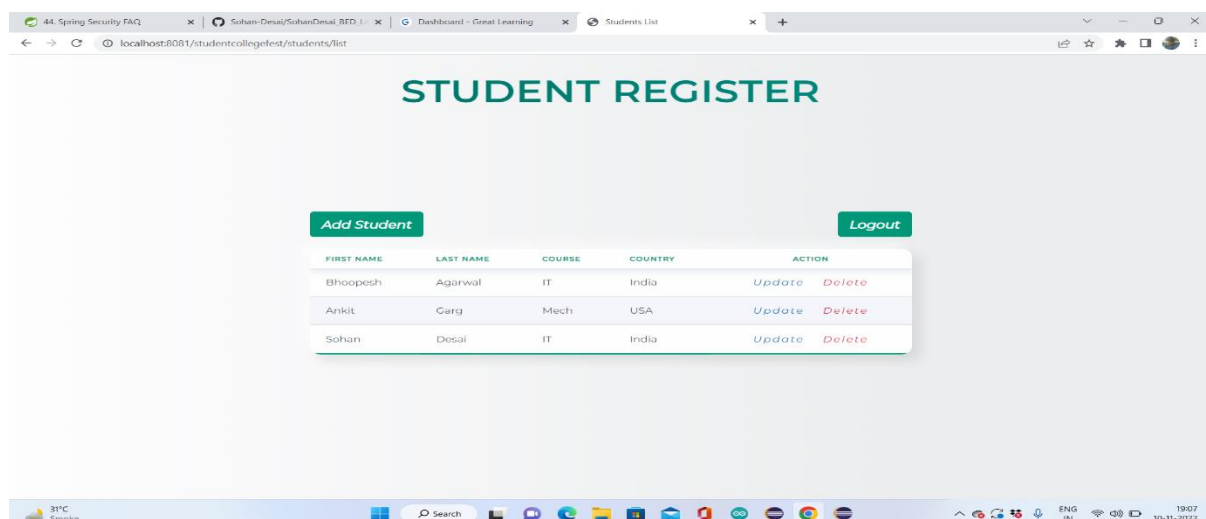
USER can add Student record

#Note->

The Firstname, Lastname and Course fields are required fields which have to be populated before submitting the details.

*A warning message displays when we click on **Submit** button without entering data as per convention in those fields.*

Student table

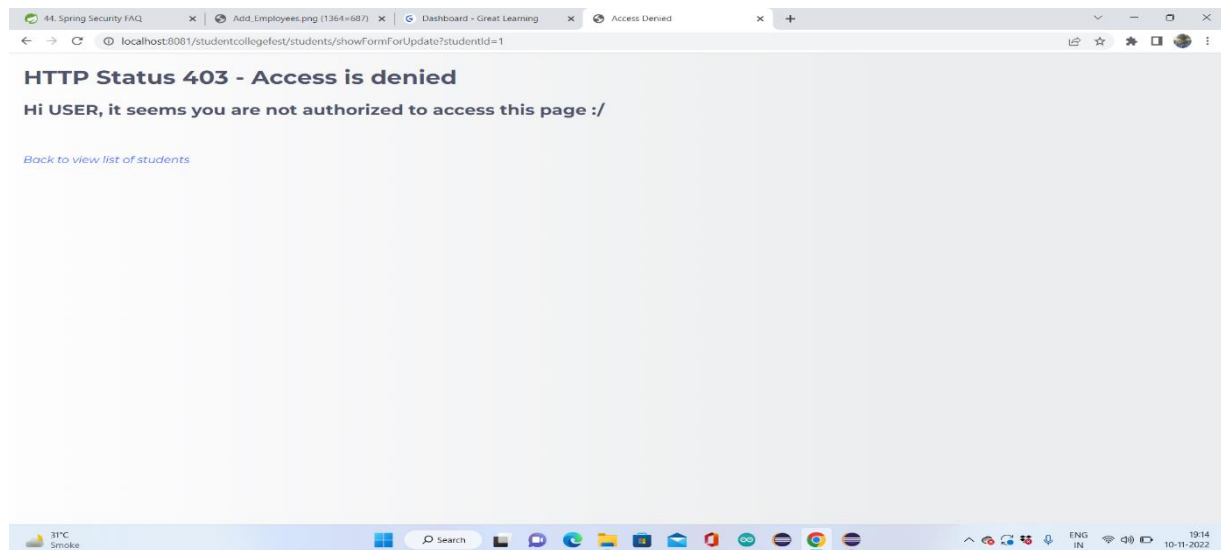The entered records get displayed on student list page. User can further add more records.

User cannot update records.
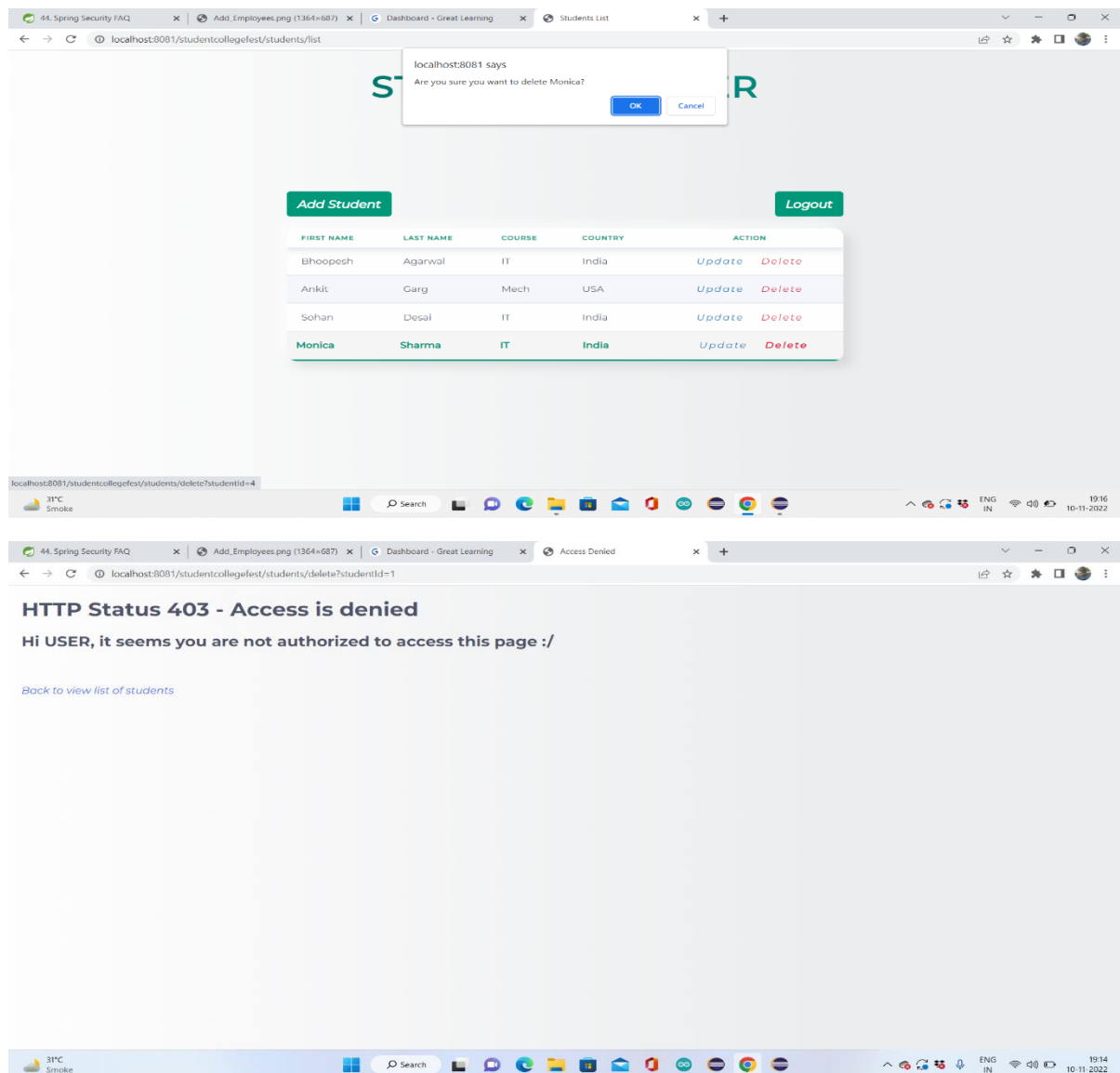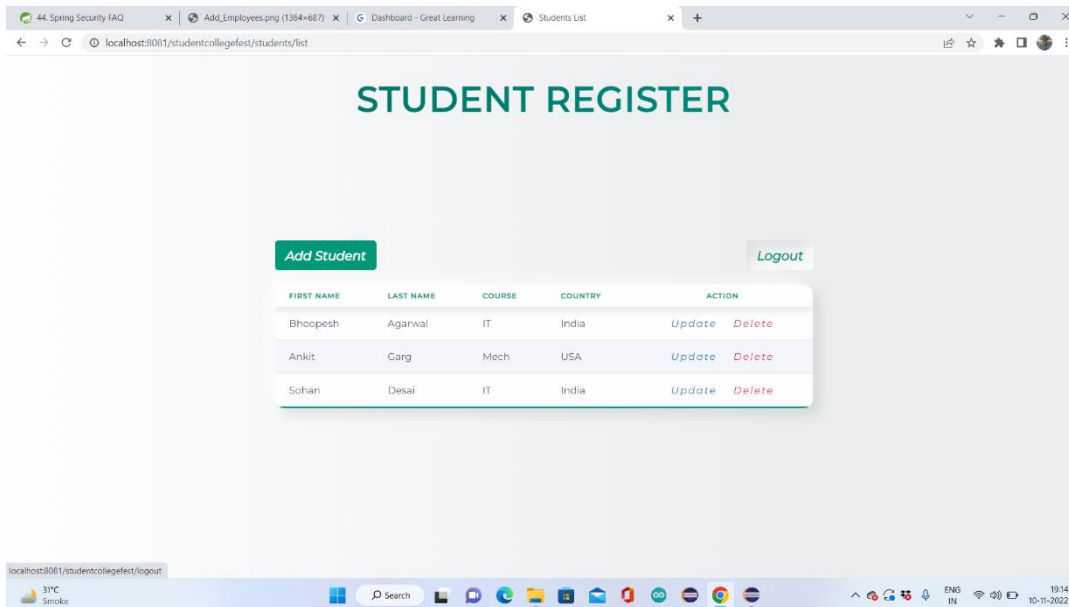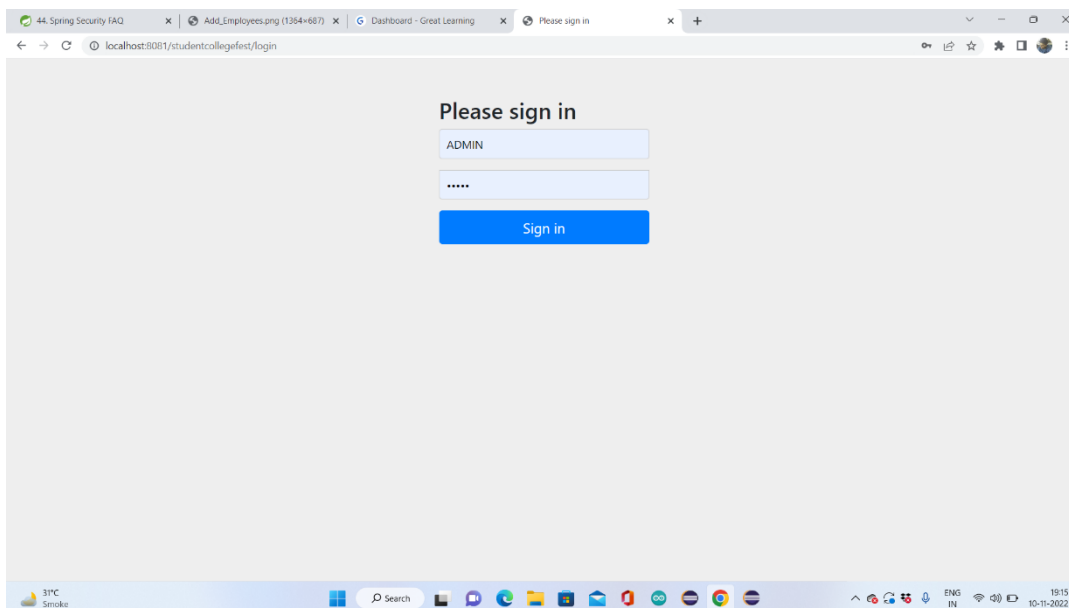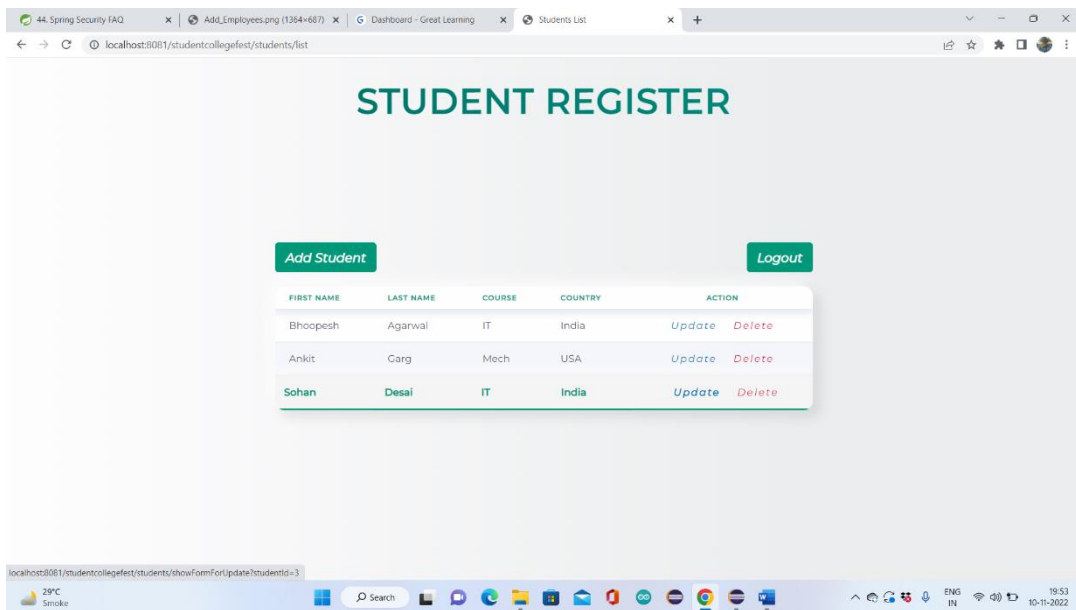

User cannot delete records.

Logging out and logging back in as ADMIN.
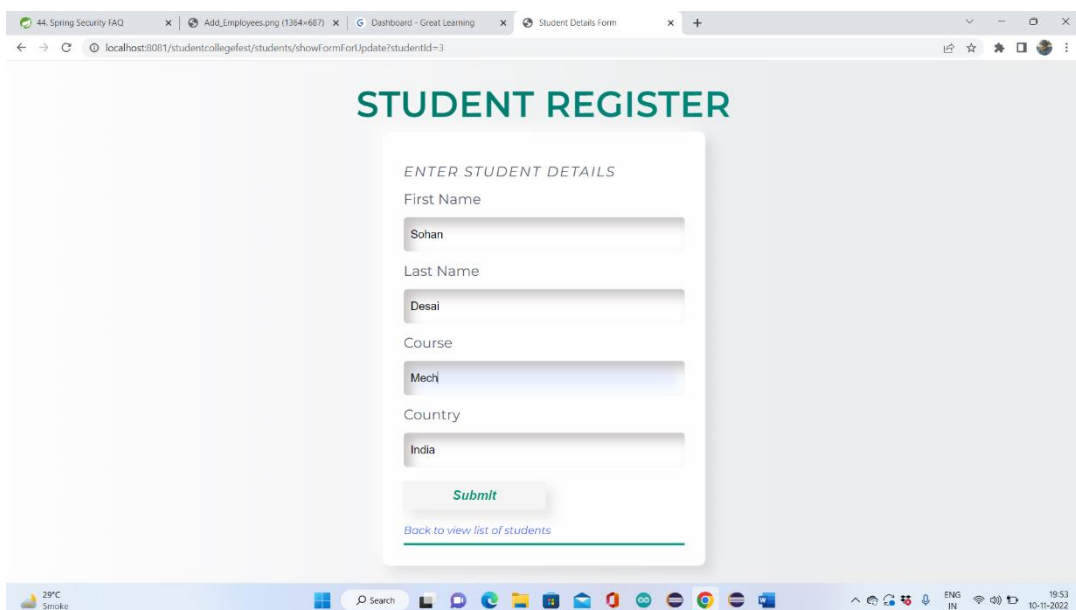

On logging out, we are redirected to Login page.

ADMIN has authority to update records.

On clicking the **Update** link, the "**Student details**" form gets loaded, pre-populated with existing data.
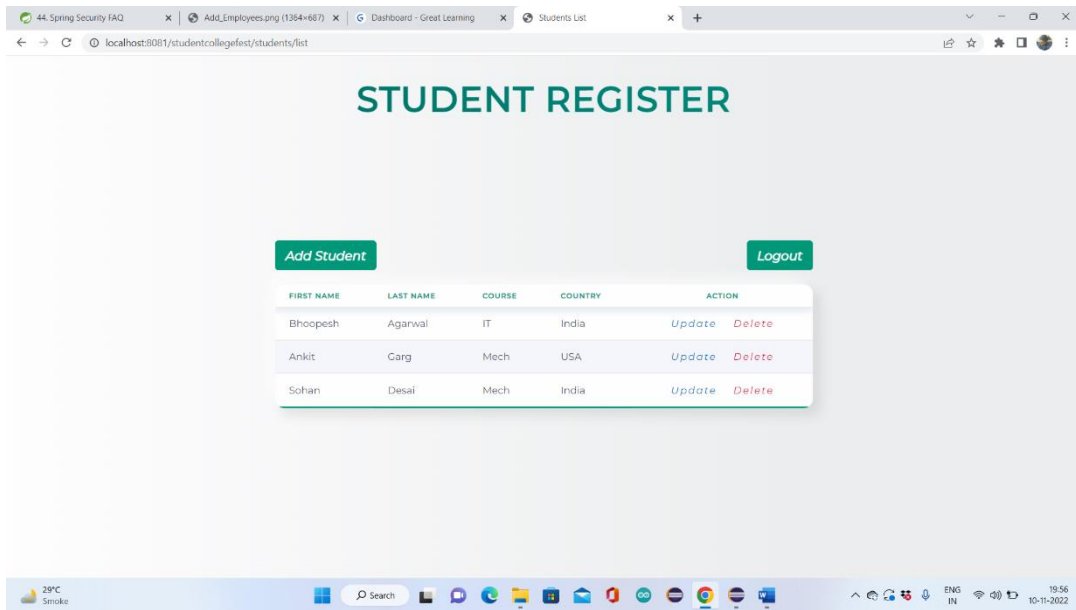
ADMIN can make necessary changes and click on **Submit** button.

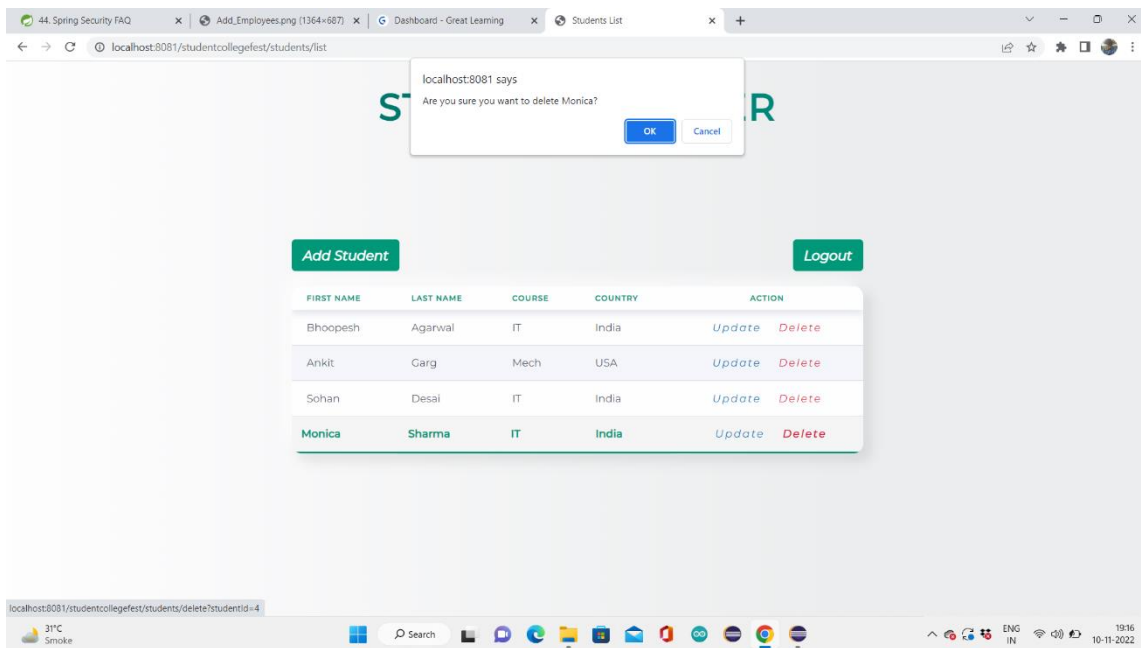After clicking on **Submit** button. The updated record gets displayed on student list page.

Eg: Course IT is updated to Mech

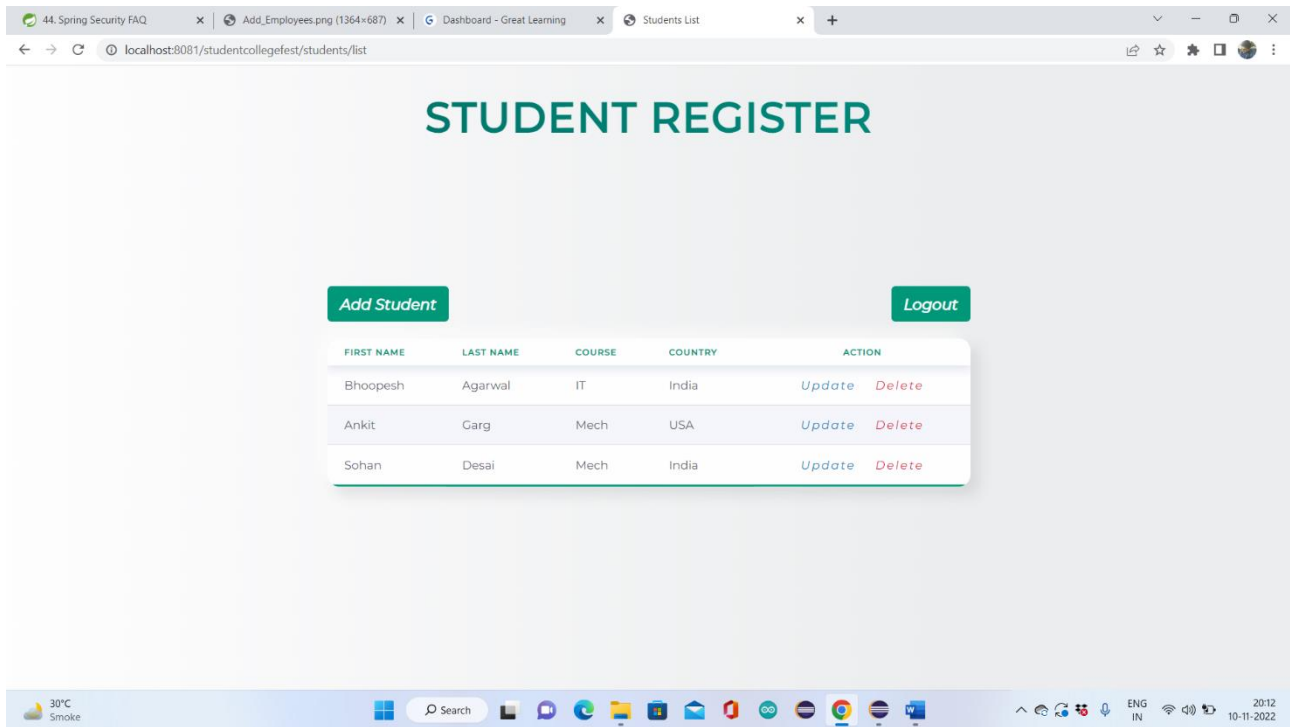Here we see the record has been updated!

Admin also has authority to delete records.

On clicking the **Delete** link, a message pops up on the page asking to confirm whether to delete the concerned record from database.

On confirmation, the concerned record gets deleted while remaining records are displayed on the page.

Monica's records are deleted

Thus, we have successfully checked all the functionalities of our Spring MVC project for College Fest Registration Portal.

Thank you!

Also you will find a video recording of this project on my google drive. Link to which I've shared below.

https://drive.google.com/drive/folders/14Ji3uxexF9MAJ0v2_7xj6zHzQv73_2KH?usp=sharing

Thanks again!