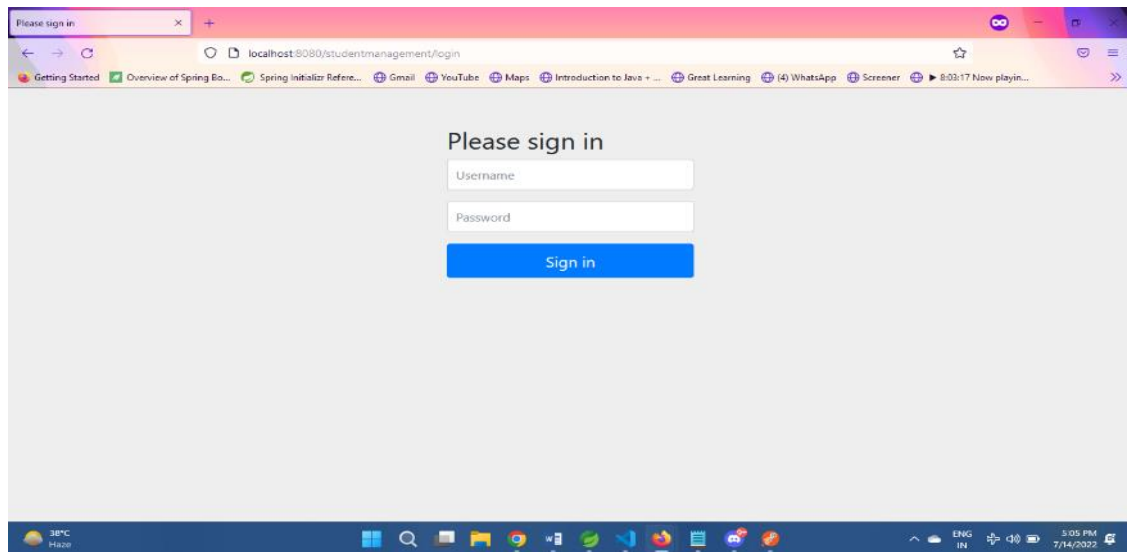
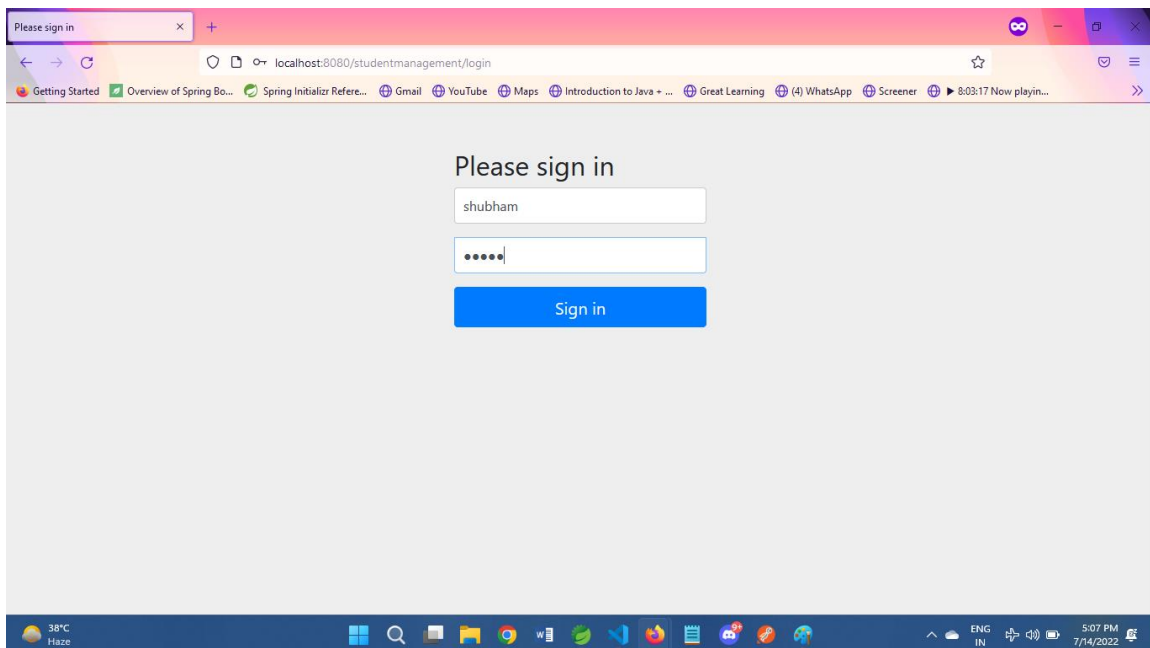


Student Management (Spring-Boot Rest)



Our Login Page for Project



Logging in As Admin User
(Shubham is our Admin User)

Student Management (Spring-Boot Rest)

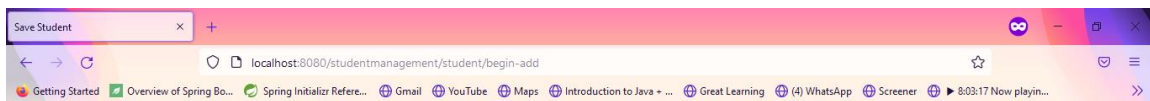


Listing all the Students

Add New Student		Logout			
id	firstName	lastName	course	country	Action
3	Sai	Srikanth	BCom	india	Update Delete
4	Raman	Singh	BCom	india	Update Delete
5	Kunal	Shekhar	BArch	India	Update Delete
15	Raja	Shekhar	BVocation	India	Update Delete



Logged in as Admin User



Student Directory

Student

[Save](#)

[Back to Students List](#)



Using Add new student feature
(Adding a new student as Admin User)

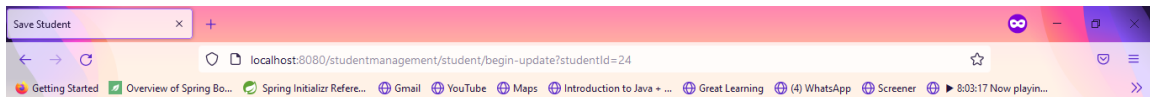
Student Management (Spring-Boot Rest)



Listing all the Students

Add New Student Logout					
id	firstName	lastName	course	country	Action
3	Sai	Srikanth	BCom	india	Update Delete
4	Raman	Singh	BCom	india	Update Delete
5	Kunal	Shekhar	BArch	India	Update Delete
15	Raja	Shekhar	BVocation	India	Update Delete
24	Harendra	Singh	BSc	India	Update Delete

Student Added by Admin User Successfully



Student Directory

Student

[Save](#)

[Back to Students List](#)

Updating Student as Admin User
(We already got the pre-populated data and we updated it slightly)

Student Management (Spring-Boot Rest)

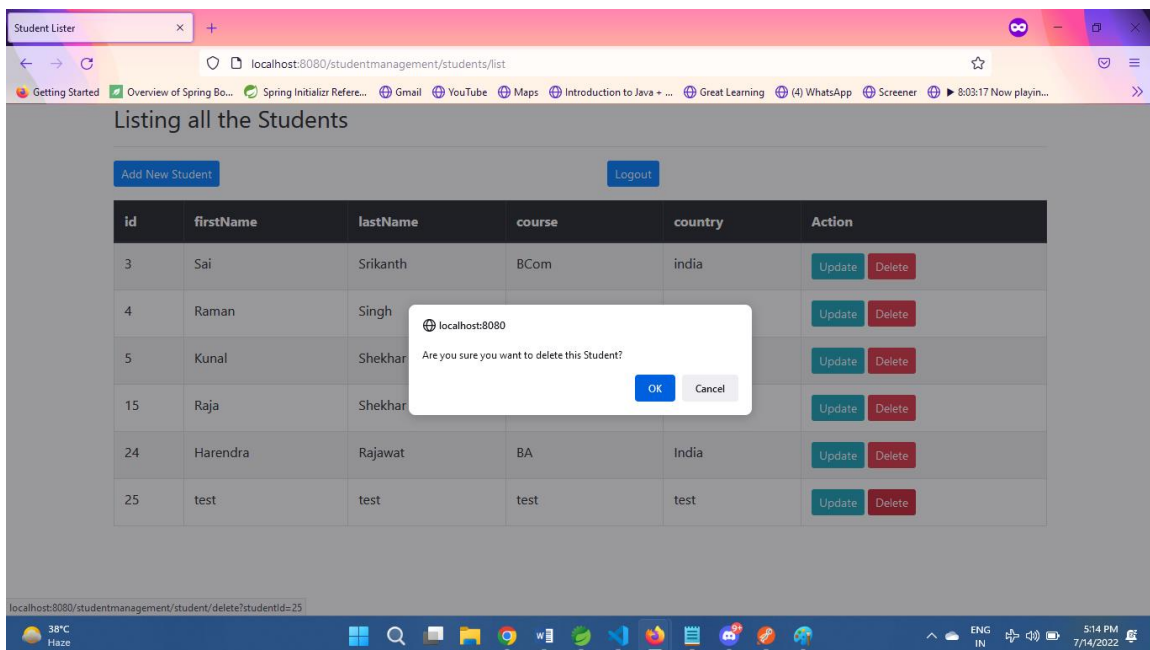


Listing all the Students

<div>Add New Student</div> <div>Logout</div>					
id	firstName	lastName	course	country	Action
3	Sai	Srikanth	BCom	india	<div>Update</div> <div>Delete</div>
4	Raman	Singh	BCom	india	<div>Update</div> <div>Delete</div>
5	Kunal	Shekhar	BArch	India	<div>Update</div> <div>Delete</div>
15	Raja	Shekhar	BVocation	India	<div>Update</div> <div>Delete</div>
24	Harendra	Rajawat	BA	India	<div>Update</div> <div>Delete</div>



Student has been updated by Admin User
(Admin has the authority to use the update feature)



We inserted a Test Student, now deleting the test student (Admin has authority to do delete operation)

Student Management (Spring-Boot Rest)



Listing all the Students

Add New Student Logout					
id	firstName	lastName	course	country	Action
3	Sai	Srikanth	BCom	india	Update Delete
4	Raman	Singh	BCom	india	Update Delete
5	Kunal	Shekhar	BArch	India	Update Delete
15	Raja	Shekhar	BVocation	India	Update Delete
24	Harendra	Rajawat	BA	India	Update Delete



Test student has been deleted by admin user
successfully

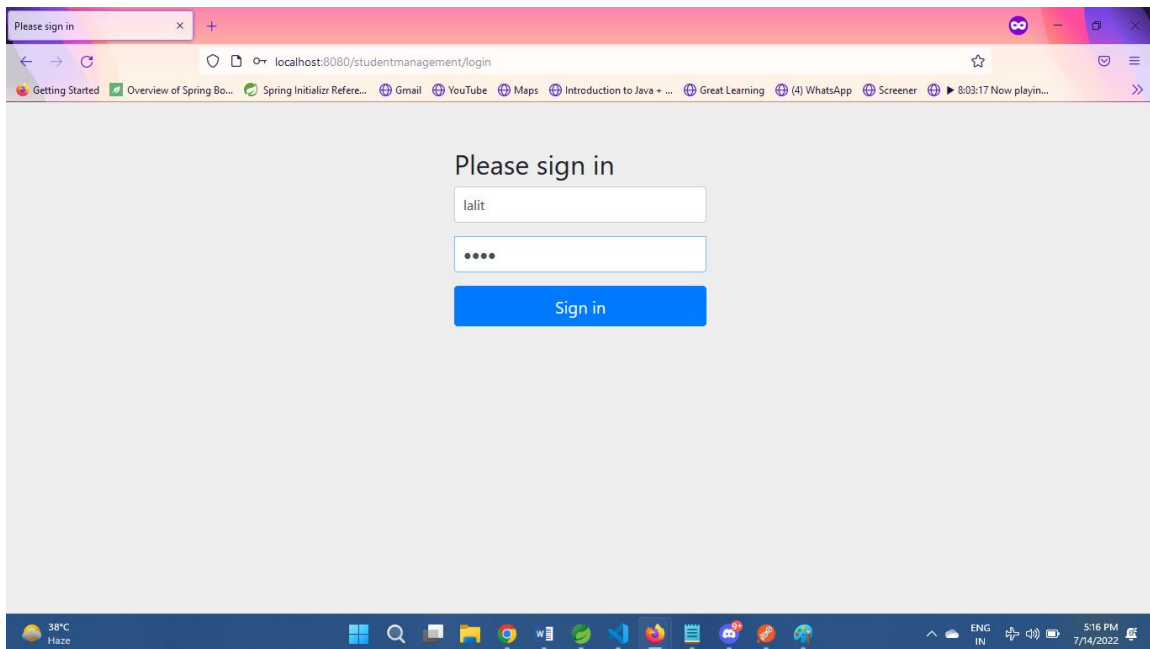


Please sign in

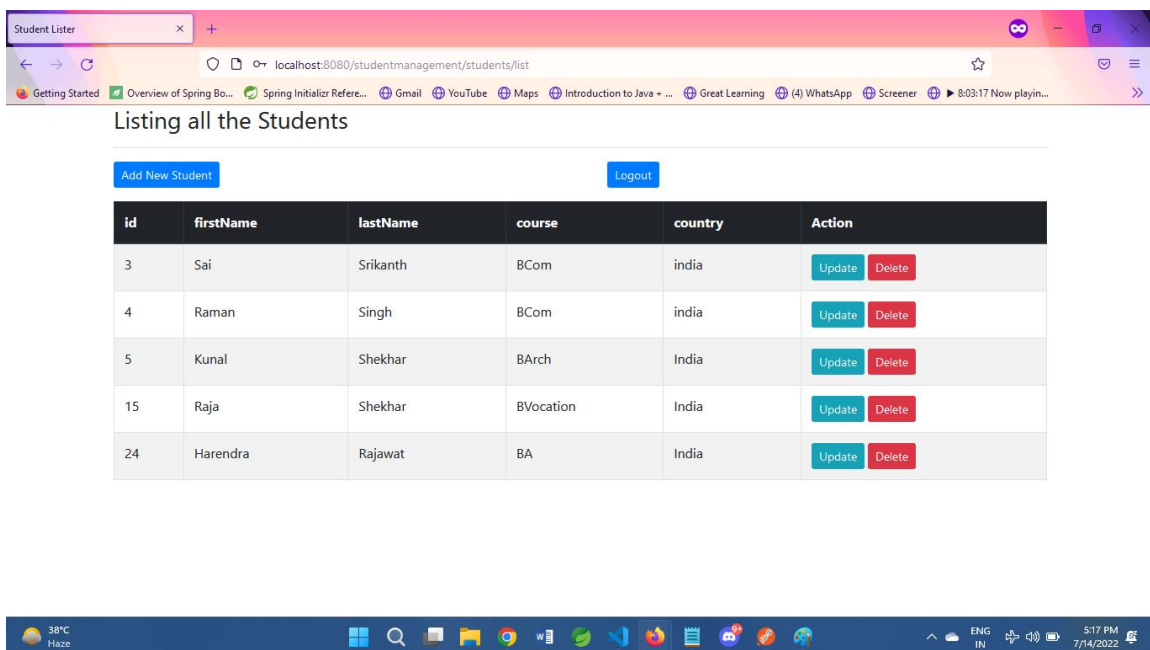
[Sign in](#)

Logged out from Admin profile
(Now we will be initiating operations with Normal
User Profile)

Student Management (Spring-Boot Rest)



Logging in as Normal User
(Lalit is our normal user with update and delete restrictions)



Logged in as Normal User

Student Management (Spring-Boot Rest)

Student Directory

Student

Riya

Sharma

BTech

India

Save

[Back to Students List](#)

Using add operation to add a new student
(No restriction on Add and View students)

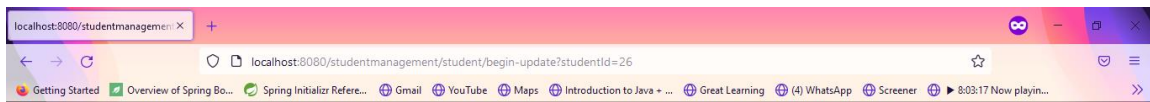
Student List

[Add New Student](#) [Logout](#)

id	firstName	lastName	course	country	Action
3	Sai	Srikanth	BCom	india	Update Delete
4	Raman	Singh	BCom	india	Update Delete
5	Kunal	Shekhar	BArch	India	Update Delete
15	Raja	Shekhar	BVocation	India	Update Delete
24	Harendra	Rajawat	BA	India	Update Delete
26	Riya	Sharma	BTech	India	Update Delete

Student successfully added by Normal user

Student Management (Spring-Boot Rest)



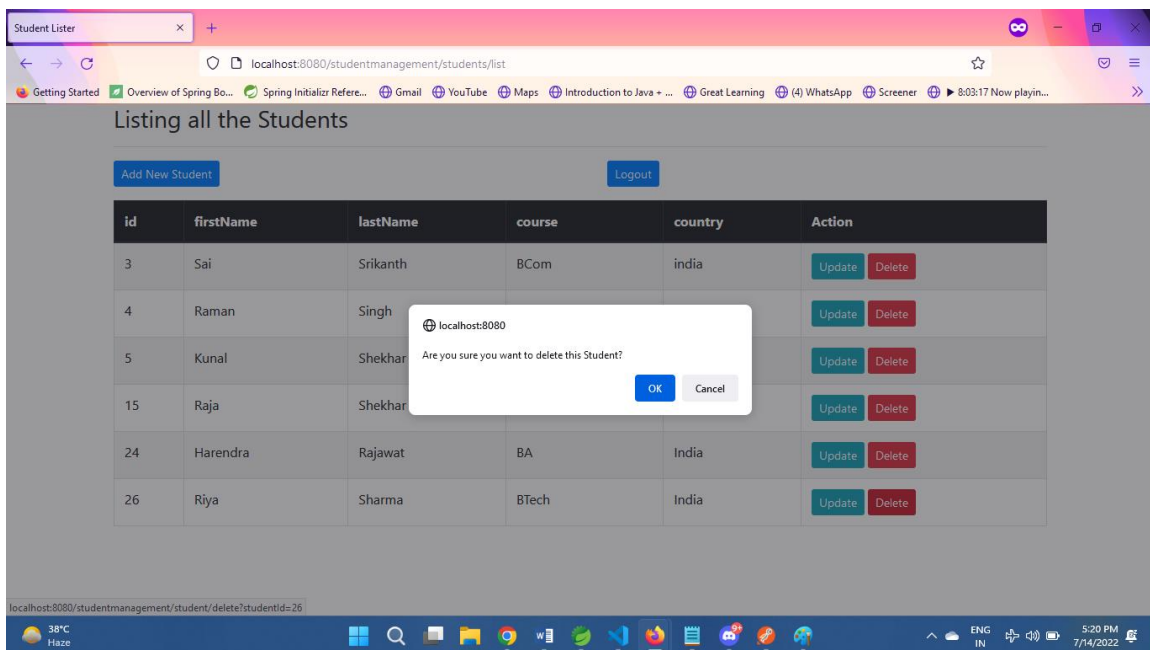
HTTP Status 403 - Access is denied

Hi lalit, You don't have the permission to perform this operation!

[Back to Students List](#)

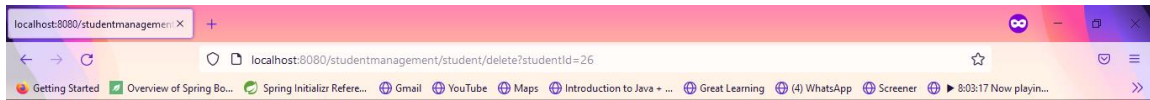


When Normal user tried to update student data
Here we got the Access Denied message



We are trying to delete a student record from table as a
Normal User

Student Management (Spring-Boot Rest)

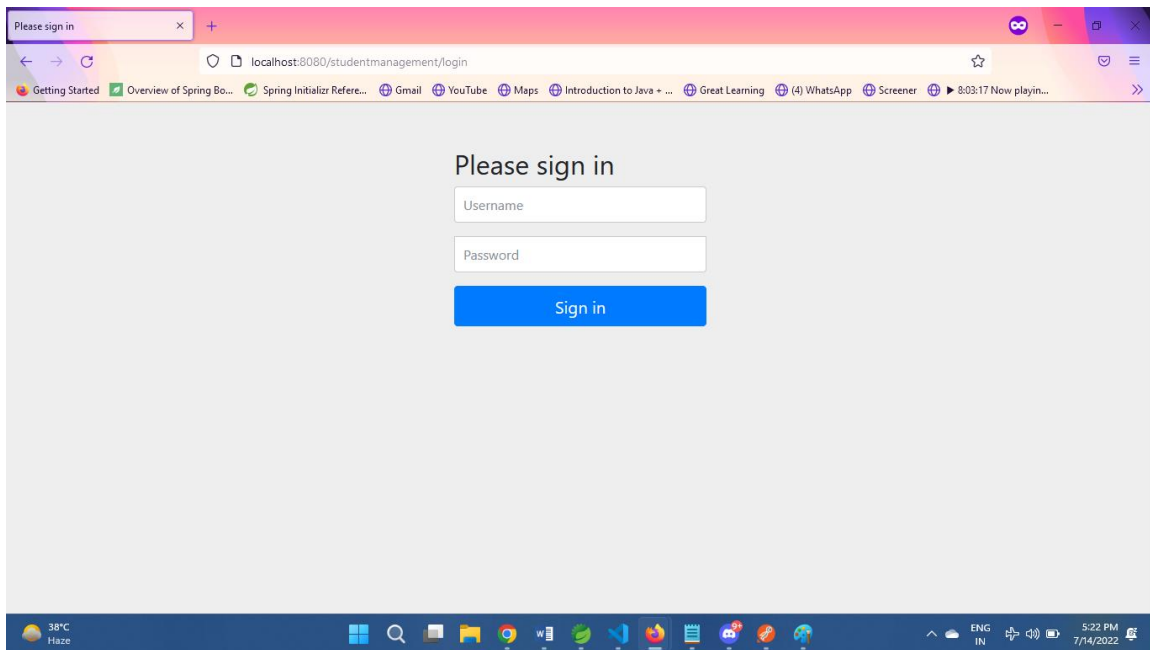


HTTP Status 403 - Access is denied
Hi lalit, You don't have the permission to perform this operation!

[Back to Students List](#)



Here the normal user is again redirected to 403 Error
Page stating user access denied



Logged out from Normal User profile

Student Management (Spring-Boot Rest)

Student Management Rest API

This project has been created to demonstrate CRUD operation in our Spring Boot Rest API

Web Application. We have also used [Spring Security](#) features to define roles for different users such as Admin User and Normal User

- Admin User can do all the CRUD operations in the Student Data
- Admin can add new student, update the student record and delete the record etc.
- Normal user can only view the students and update the students
- Normal user has been restricted from doing Update and delete operations.

Student Management

PROJECT SUBMISSION

Shubham Sharma
Spring-Rest lab-6
07/14/2022

Student Management (Spring-Boot Rest)