



INSTITUTION OF TECHNOLOGY OF CAMBODIA



DEPARTMENT: GIC I4-B

Report of Software Engineering

Project 3: Course Enrollment and Classroom Scheduling System

Name of Students

Students ID

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Academic year 2025-2026

Vicheth Sokhsedtha

- Verify the task complete for Authentication

Login to Course System

You have been logged out successfully.

Username

sedtha

Password

.....

Login As

Student

Select a role if you have multiple roles assigned.

Login

Register

Create New Account

Username:

sedtha

Email:

Enter your email

Password:

.....

First Name:


Enter your first name

Last Name:

Enter your last name

Register

[Back to Login](#)



Access Denied

You don't have permission to access this page.

Required role: [ADMIN](#) / [LECTURER](#) / [STUDENT](#)

Your roles: [ROLE_STUDENT](#)

Go to Home

Logout

Soeury Sreyno

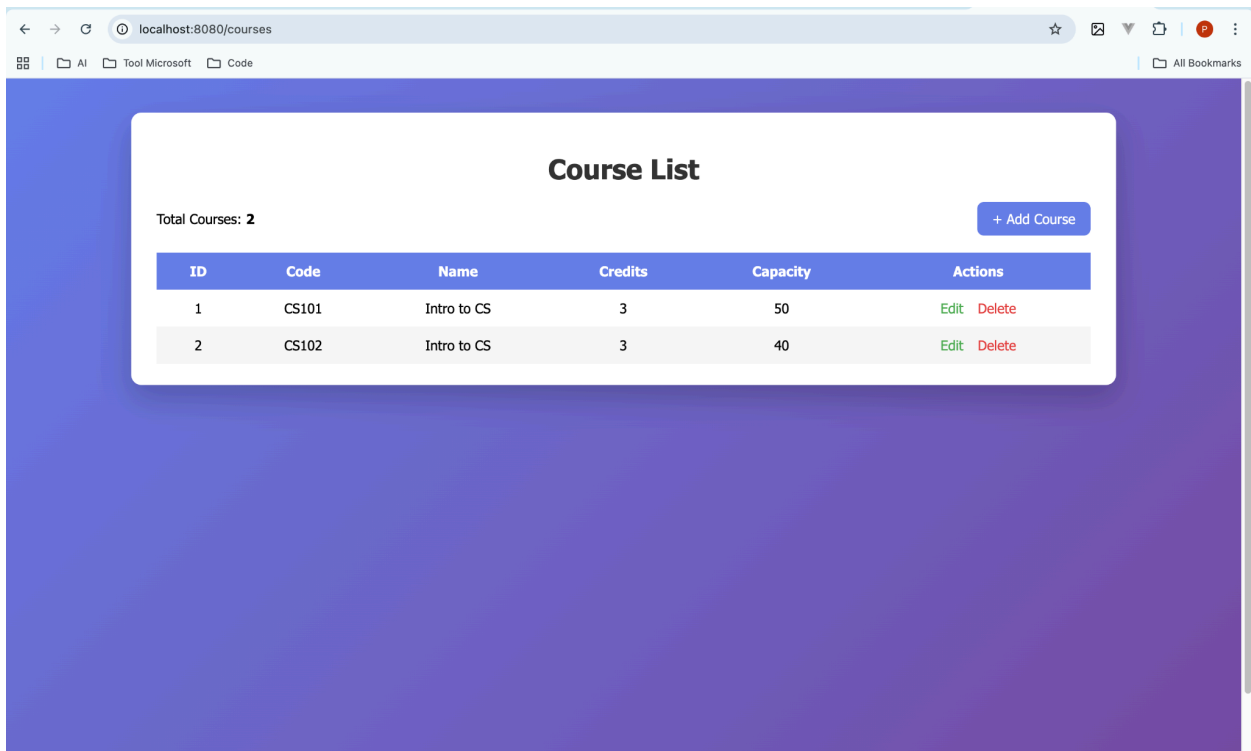
Nget Darapich

- Done Checking the verify since last week

KEO CHANPONLORK

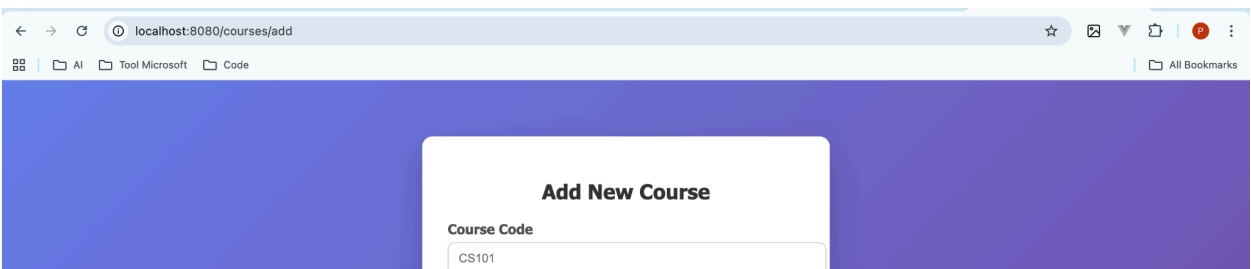
Course

○ Course list



ID	Code	Name	Credits	Capacity	Actions
1	CS101	Intro to CS	3	50	Edit Delete
2	CS102	Intro to CS	3	40	Edit Delete

○ Course add



Add New Course

Course Code

CS101

○ Course edit

The screenshot shows a web browser window with the address bar displaying 'localhost:8080/courses/edit/1'. The page has a purple gradient background. In the center is a white card titled 'Edit Course'. The card contains several input fields: 'Course Code' with the value 'CS101', 'Course Name' with 'Intro to CS', 'Credits' with '3', and 'Capacity' with '50'. There is a text area for 'Description' containing 'Introduction to computer'. At the bottom left of the card is a '← Back' link, and at the bottom right is a blue 'Update Course' button.

Edit Course

Course Code
CS101

Course Name
Intro to CS

Credits
3

Capacity
50

Description
Introduction to computer

← Back Update Course

○ Course delete

The screenshot shows a web browser window with the address bar displaying 'localhost:8080/courses'. The page has a dark blue background. A white dialog box is open in the center, titled 'localhost:8080 says' with the text 'Delete this course?' and two buttons: 'Cancel' and 'OK'. Below the dialog, the 'Course List' is visible. It includes a 'Total Courses: 3' label, a '+ Add Course' button, and a table with columns: ID, Code, Name, Credits, Capacity, and Actions. The table lists three courses: CS101 (Intro to CS, 3 credits, 50 capacity), CS102 (Intro to CS, 3 credits, 40 capacity), and SE201 (Intro to SE, 5 credits, 50 capacity). Each row has 'Edit' and 'Delete' links in the Actions column.

localhost:8080 says
Delete this course?

Cancel OK

Course List

Total Courses: 3 + Add Course

ID	Code	Name	Credits	Capacity	Actions
1	CS101	Intro to CS	3	50	Edit Delete
2	CS102	Intro to CS	3	40	Edit Delete
4	SE201	Intro to SE	5	50	Edit Delete

- Course database

```
| users |
+-----+
8 rows in set (0.005 sec)

mysql> select * from courses;
+-----+-----+-----+-----+-----+-----+
| id | capacity | course_code | course_name | credits | description |
+-----+-----+-----+-----+-----+-----+
| 1 | 50 | CS101 | Intro to CS | 3 | Introduction to computer |
| 2 | 40 | CS102 | Intro to CS | 3 | Introduction to computer |
| 4 | 50 | SE201 | Intro to SE | 5 | Software Engineer |
+-----+-----+-----+-----+-----+-----+
3 rows in set (0.002 sec)

mysql> mysql> select * from courses;
+-----+-----+-----+-----+-----+-----+
| id | capacity | course_code | course_name | credits | description |
+-----+-----+-----+-----+-----+-----+
| 1 | 50 | CS101 | Intro to CS | 3 | Introduction to computer |
| 2 | 40 | CS102 | Intro to CS | 3 | Introduction to computer |
+-----+-----+-----+-----+-----+-----+
2 rows in set (0.003 sec)

mysql> |
```

- Classrooms

- Add classroom

The screenshot shows a web browser window with the address bar displaying 'localhost:8080/classrooms/add'. The browser's tab bar shows three tabs: 'AI', 'Tool Microsoft', and 'Code'. The main content area features a white modal box titled 'Add Classroom'. Inside the modal, there are three labeled input fields: 'Room Number', 'Building', and 'Max Capacity'. Below these fields are two buttons: a blue 'Save' button and a grey 'Cancel' button.

- Edit classroom

localhost:8080/classrooms/edit/1

Edit Classroom

Room Number
I102

Building
I

Max Capacity
40

[Update](#) [Cancel](#)

- Classroom list

localhost:8080/classrooms/edit/1

Edit Classroom

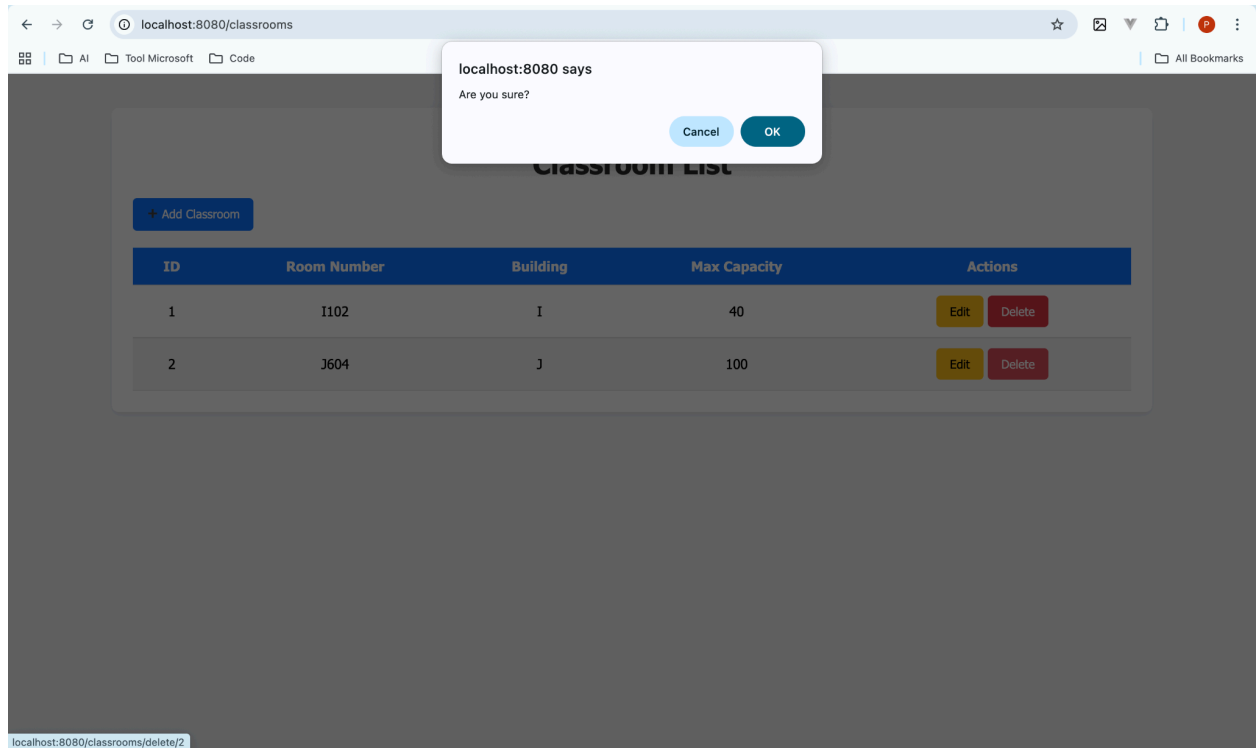
Room Number
I102

Building
I

Max Capacity
40

[Update](#) [Cancel](#)

- Delete classroom



- Classroom database

```
8 rows in set (0.002 sec)

mysql> select * from classrooms;
+----+-----+-----+-----+
| id | building | max_capacity | room_number |
+----+-----+-----+-----+
| 1  | I       | 40          | I102        |
+----+-----+-----+-----+
1 row in set (0.001 sec)

mysql> |
```

Pang Lythong

- Verify the Project after merge for progress week 3

The screenshot displays an IDE interface with three main panels:

- SPRING BOOT DASHBOARD:** Shows the project structure for "Course-Enrollment-and-Classroom-Scheduling-System". The "BEANS" section lists various components like `AdminController`, `AuthService`, `ClassroomRepository`, and `EnrollmentService`. The "ENDPOINT MAPPINGS" section shows routes for GET, POST, and PUT methods.
- Source Code:** Displays the `SecurityConfig.java` file. It includes imports for Spring Security and authentication managers, and defines a `SecurityFilterChain` bean.
- Terminal:** Shows the output of the application startup. It includes logs for the JTA platform, JPA EntityManagerFactory, and the application's successful launch.

```
src > main > java > com > course_enrollment_and_class_scheduling > config > SecurityConfig.java > SecurityConfig > FilterChain(HttpSecurity)

1 package com.course_enrollment_and_class_scheduling.config;
2
3 import org.springframework.context.annotation.Bean;
4 import org.springframework.context.annotation.Configuration;
5 import org.springframework.security.authentication.AuthenticationManager;
6 import org.springframework.security.config.annotation.authentication.configuration.AuthenticationConfiguration;
7 import org.springframework.security.config.annotation.method.configuration.EnableMethodSecurity;
8 import org.springframework.security.config.annotation.web.builders.HttpSecurity;
9 import org.springframework.security.crypto.bcrypt.BCryptPasswordEncoder;
10 import org.springframework.security.crypto.password.PasswordEncoder;
11 import org.springframework.security.web.SecurityFilterChain;
12
13 import com.course_enrollment_and_class_scheduling.service.CustomUserDetailsService;
14
15 @Configuration
16 @EnableMethodSecurity
17 public class SecurityConfig {
18
19     private final CustomUserDetailsService userDetailsService;
20
21     // ... (rest of the code) ...
22 }
```

thongking@ubuntu20:~/Documents/Supreme_Project/Software_Project /Course-Enrollment-and-Classroom-Scheduling-System\$./usr/bin/env ./usr/lib/jvm/java-21-openjdk-amd64/bin/java @/tmp/cp_9y...
Autocommit mode: undefined/unknown
Isolation level: undefined/unknown
Maximum pool size: undefined/unknown
2024-01-05T10:01:44.937+07:00 INFO 34920 --- [course_enroll_and_class_scheduling] [restartedMain] o.h.e.t.j.p.i.JtaPlatformInitiator : HHH000489: No JTA platform available (set 'hibernate.transaction.jta.platform' to enable JTA platform integration)
Hibernate: alter table class_schedules modify column day_of_week enum ('FRIDAY','MONDAY','SATURDAY','SUNDAY','THURSDAY','TUESDAY','WEDNESDAY') not null
2024-01-05T10:01:45.762+07:00 INFO 34920 --- [course_enroll_and_class_scheduling] [restartedMain] j.LocalContainerEntityManagerFactoryBean : Initialized JPA EntityManagerFactory for pers...
2024-01-05T10:01:47.339+07:00 INFO 34920 --- [course_enroll_and_class_scheduling] [restartedMain] o.s.d.j.r.query.QueryEnhancerFactory : Hibernate is in classpath; If applicable, HQL...
2024-01-05T10:01:48.411+07:00 WARN 34920 --- [course_enroll_and_class_scheduling] [restartedMain] JpaBaseConfiguration\$JpaWebConfiguration : spring.jpa.open-in-view is enabled by default...
2024-01-05T10:01:48.482+07:00 INFO 34920 --- [course_enroll_and_class_scheduling] [restartedMain] r.InitializeUserDetailsServiceConfigurer : Global AuthenticationManager configured with...
2024-01-05T10:01:49.433+07:00 INFO 34920 --- [course_enroll_and_class_scheduling] [restartedMain] o.s.b.a.e.web.EndpointLinksResolver : Exposing 1 endpoint beneath base path '/actua...
2024-01-05T10:01:51.542+07:00 INFO 34920 --- [course_enroll_and_class_scheduling] [restartedMain] o.s.b.d.s.OptionalLiveReloadServer : LiveReload server is running on port 35729
2024-01-05T10:01:51.894+07:00 INFO 34920 --- [course_enroll_and_class_scheduling] [restartedMain] o.s.b.w.embedded.tomcat.TomcatWebServer : Tomcat started on port 8080 (http) with conte...
2024-01-05T10:01:51.993+07:00 INFO 34920 --- [course_enroll_and_class_scheduling] [restartedMain] CourseEnrollAndClassSchedulingApplication : Started CourseEnrollAndClassSchedulingApplicat...
ion in 25.318 seconds (process running for 28.070)