

Web Application Lab 6 Report

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Part 1: UI

index.jsp

Course Registration Demo

Student ID:

[View Details](#)

Management Options

[Students Manager](#)[Courses Manager](#)

studentDetails.jsp

Student Details

Student ID: 21066

Student Name: Mai

Add New Course

No courses available ▾

Add Course

This student is enrolled in all available courses.

Registered Courses

Course ID	Course Name	Action
2	OOP	Remove
5	DSA	Remove
6	WebApp	Remove

Back to Homepage

studentManager.jsp

Student List

Student ID	Student Name	Action
21066	Mai	View Edit Delete
21208	Hoang	View Edit Delete

New Student

Back to Homepage

courseManager.jsp

Course List

Course ID	Course Name	Action
2	OOP	Edit Delete
5	DSA	Edit Delete
6	WebApp	Edit Delete

New CourseBack to Homepage

Part 2: App Functions

1. When user input student ID in the field in **index** page

Student ID:

View Details

2. It will go to Student details tab, which user can enroll for their course

Student Details

Student ID: 21208

Student Name: Hoang

Add New Course

OOP

Add Course

OOP

DSA

WebApp

Registered Courses

Course Name	Action
No courses registered yet	

Back to Homepage

3. User can enroll courses by selecting in the dropdown menu and press Add Course until there are no more course. User can also drop their registered courses by pressing the Remove text in the Action tab

Add New Course

No courses available ▾

Add Course

This student is enrolled in all available courses.

Registered Courses

Course ID	Course Name	Action
2	OOP	Remove
5	DSA	Remove
6	WebApp	Remove

4. When user Press the **Students Manager** button, they will get into Student List tab for **Create/Edit/Delete** student.

Student List

Student ID	Student Name	Action
21066	Mai	View Edit Delete
21208	Hoang	View Edit Delete

New Student

Back to Homepage

5. Click **New Student** button to open the Create student dialog

Student List

Student ID	Student Name
21066	Mai
21208	Hoang

New Student

Back to Homepage

Add New Student

Student ID:

22169

Student Name:

Thuan

Close

Add Student

6. Similar to Create, click the **Edit** text (in action tab) will open the Edit student dialog

Student List

Student ID	Student Name
21066	Mai
21208	Hoang
21211	Thuan

[New Student](#) [Back to Homepage](#)

Edit Student

Student ID: 21066

Student Name: Mai

[Close](#) [Update Student](#)

7. The app will ask for confirmation before **delete**

Student List

localhost:8080 says
Are you sure you want to delete this student?

[OK](#) [Cancel](#)

Student ID	Student Name	Action
21066	Mai	View Edit Delete
21208	Hoang	View Edit Delete
21211	Thuan	View Edit Delete

[New Student](#) [Back to Homepage](#)

8. The View text will redirect user to the Student Details page

Student Details

Student ID: 21066

Student Name: Mai

Add New Course

No courses available [Add Course](#)

This student is enrolled in all available courses.

Registered Courses

Course ID	Course Name	Action
2	OOP	Remove
5	DSA	Remove
6	WebApp	Remove

[Back to Homepage](#)

9. Similar to Student, the **Course Manager** button will get user into Course List tab

Course List		
Course ID	Course Name	Action
2	OOP	Edit Delete
5	DSA	Edit Delete
6	WebApp	Edit Delete
<div><button>New Course</button><button>Back to Homepage</button></div>		

10. **New Course** or **Edit** will open a dialog for user to input the Course Name (course ID will be automatically set by the app)

Course List

Course ID
2
5
6

New CourseBack to Homepage

Add New Course

Course Name:

CloseAdd Course

Course List

Course ID
2
5
6
8

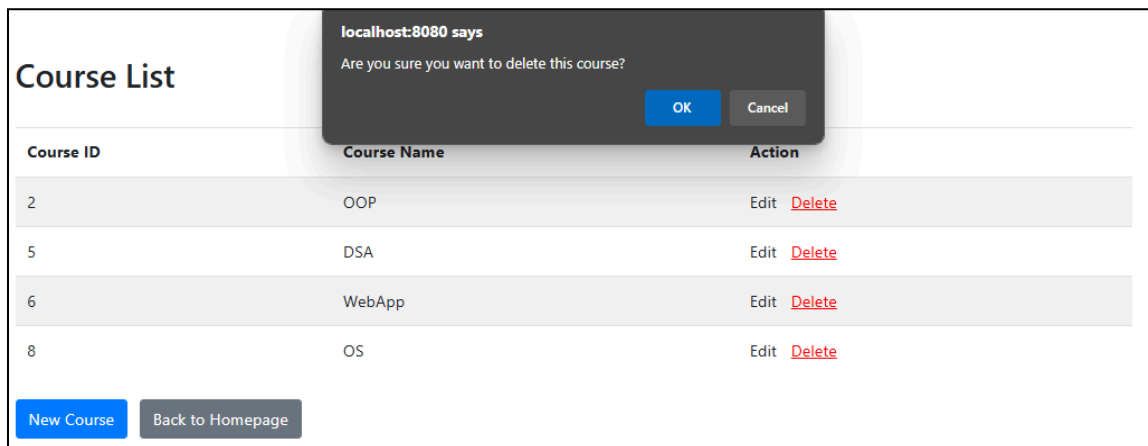
New CourseBack to Homepage

Edit Course

Course Name:

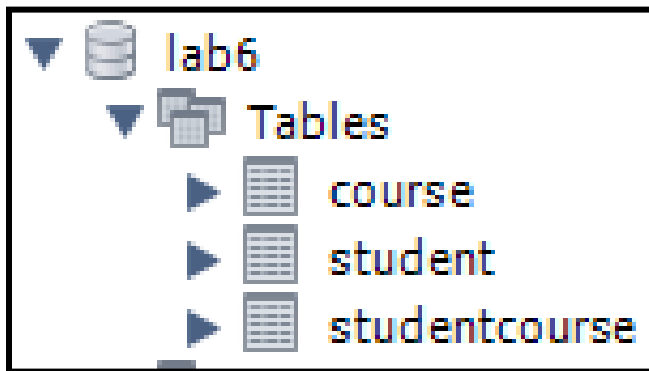
CloseUpdate Course

11. **Delete** will also prompt user for confirmation



Part 3: Database Connection

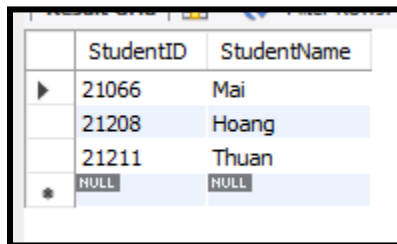
The Database Schema is the provided one, nothing changed



course table:

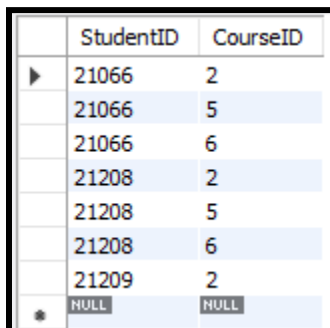
	CourseID	CourseName
▶	2	OOP
	5	DSA
	6	WebApp
	8	OS
*	NULL	NULL

student table:



	StudentID	StudentName
▶	21066	Mai
	21208	Hoang
	21211	Thuan
*	NULL	NULL

studentcourse table:



	StudentID	CourseID
▶	21066	2
	21066	5
	21066	6
	21208	2
	21208	5
	21208	6
	21209	2
*	NULL	NULL