

Name: Sanjeev Kumar Sah

Student ID: 2329256

Module: Object Oriented Design and Programming

Project: Course Management System

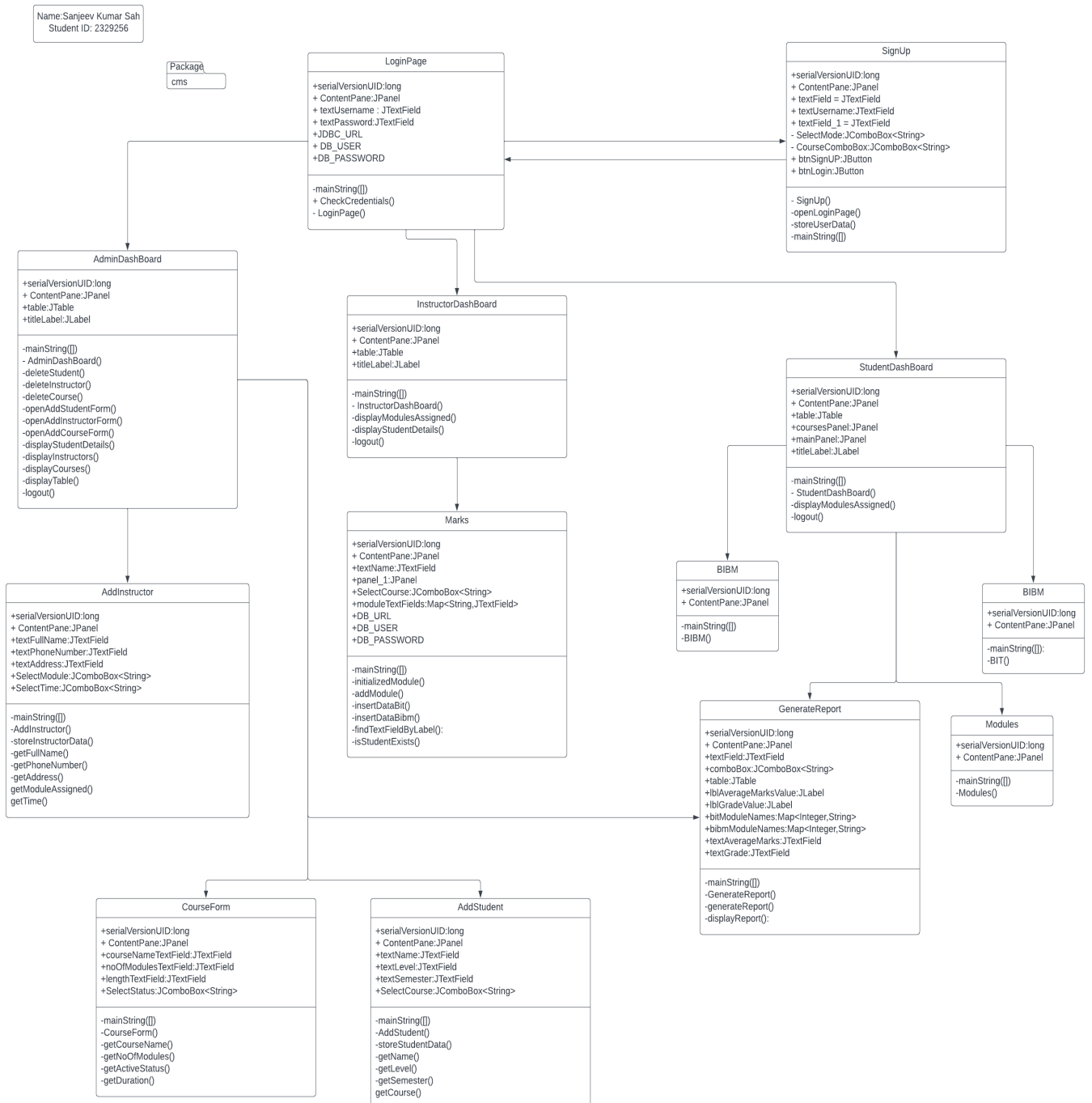


Fig: UML Diagram Of CourseManagemnt System

EXPLANATION:

This coursework was all about making a course management system for the college using java GUI programming (swing) and JDBC. As you can see in the UML diagram, the package named cms was first created to implement all the operations necessary for building a management system. Firstly, a user is asked for login option i.e., Login Page and if the user doesn't exist then they can click on create so, they must be directed to Signup page. If the user is already created, they are now directed back to log in page by clicking on login button and asked to fill necessary details in-order-to enter to respective dashboard. The combo box of user type has three options for log in. So, users can login either as an admin, instructor, or student. Once, users choose user type they are directed to the respective dashboard. If user is an admin, then have the access to add, delete, and update courses, students, instructor and generate report slip for the students. Similarly, if user is an instructor, then have access to add or update marks for the module they are teaching and view teachers, module assigned and enrolled students. Lastly, if user is a student, then have access to view your module, teachers assigned for teaching modules. A student can check their own report card as well.

Showing rows 0 - 6 (7 total, Query took 0.0006 seconds.)

```
SELECT * FROM `assigned_modules`
```

Profiling [Edit inline] [Edit] [Explain SQL] [Create PHP code] [Refresh]

Show all

Number of rows: 25

Filter rows: Search this table

Extra options

Teacher_Name	Module_1	Module_2	Module_3	Module_4
Rukesh Shrestha	Object Oriented Design And Programming	Fundamentals of Computing	Database	JDBC
Rukesh Shrestha	Object Oriented Design And Programming	Fundamentals of Computing	Database	JDBC
Aagya Sharma	Object Oriented Design And Programming	Fundamentals of Computing	Database	JDBC
Anmol Acharya	Internet Software Architecture	Database	Artificial Intelligence	Computational Mathematics
Sujata Thapa	Prepare for sucsess at University	Principle of Business	Project Based Learning	The sustainable Business
Junu Hada	The Responsible Business	The Innovative Business	Managing Finance and Accounts	The International HR Profesionalns
Uttam Acharya	Distributed and cloud Systems	Computer Interaction	Numerical methods	Complex Systems

Show all

Number of rows: 25

Filter rows: Search this table

Query results operations

Print

Copy to clipboard

Export

Display chart

Create view

Showing rows 0 - 3 (4 total, Query took 0.0005 seconds.)

SELECT * FROM `bibm`

Profiling [Edit inline] [Edit] [Explain SQL] [Create PHP code] [Refresh]

Show all | Number of rows: 25 | Filter rows: Search this table

Extra options

student_name	course	module_1	module_2	module_3	module_4	module_5	module_6	module_7	module_8	module_9	module_10	module_11	module_12	module_13	module_14	module_15
Nishan Thapa	BIBM	71	70	74	60	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
Aayush Karki	BIBM	NULL	NULL	NULL	NULL	58	50	61	69	NULL	NULL	NULL	NULL	NULL	NULL	NULL
Sumit Gupta	BIBM	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	58	61	50	64	NULL	NULL	NULL
Anish Niure	BIBM	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	70	73	64	

Show all | Number of rows: 25 | Filter rows: Search this table

Query results operations

PrintCopy to clipboardExportDisplay chartCreate view

Showing rows 0 - 1 (2 total, Query took 0.0008 seconds.) [course: BIT... - BIT...]

SELECT * FROM `bit` ORDER BY `course` ASC

Profiling [Edit inline] [Edit] [Explain SQL] [Create PHP code] [Refresh]

Show all | Number of rows: 25 | Filter rows: Search this table

Extra options

student_name	course	module_1	module_2	module_3	module_4	module_5	module_6	module_7	module_8	module_9	module_10	module_11	module_12
Aman Mahato	BIT	70	72	74	69	72	70	NULL	NULL	NULL	NULL	NULL	NULL
Roshan Kumar Sah	BIT	NULL	NULL	NULL	NULL	NULL	NULL	68	60	72	70	70	64

Show all | Number of rows: 25 | Filter rows: Search this table

Query results operations

PrintCopy to clipboardExportDisplay chartCreate view

✓ Showing rows 0 - 3 (4 total, Query took 0.0005 seconds.)

`SELECT * FROM `course``

☐ Profiling [[Edit inline](#)] [[Edit](#)] [[Explain SQL](#)] [[Create PHP code](#)] [[Refresh](#)]

☐ Show all | Number of rows: 25 | Filter rows: Search this table | Sort by key: None

Extra options

			Course_id	Course_Name	No_Of_Modules	Active_Status	Length
<input type="checkbox"/>				1	Bsc (hons) Computer Science	14 Yes	3
<input type="checkbox"/>				2	BBA	14 No	4
<input type="checkbox"/>				4	Internatioanl Business Management	16 Yes	3
<input type="checkbox"/>				5	BHM	16 No	4

↑ ☐ Check all With selected: Edit Copy Delete Export

☐ Show all | Number of rows: 25 | Filter rows: Search this table | Sort by key: None

Query results operations

Print Copy to clipboard Export Display chart Create view

✓ Showing rows 0 - 3 (4 total, Query took 0.0003 seconds.)

`SELECT * FROM `instructor``

☐ Profiling [[Edit inline](#)] [[Edit](#)] [[Explain SQL](#)] [[Create PHP code](#)] [[Refresh](#)]

☐ Show all | Number of rows: 25 | Filter rows: Search this table | Sort by key: None

Extra options

				id	full_name	phone_number	address	module_assigned	time	date
<input type="checkbox"/>				1	Jenny Rajak	Jenny Rajak	Kathmandu	Numerical Methods and Concurrency	Full	2024-02-11 15:34:46
<input type="checkbox"/>				2	Sujan Shrestha	Sujan Shrestha	Kathmandu	Object-Oriented Design and Programming	Full	2024-02-11 15:35:35
<input type="checkbox"/>				3	Nabin Acharya	Nabin Acharya	Lalitpur	Concept and Technologies of AI	Part	2024-02-11 15:36:21
<input type="checkbox"/>				4	Ishwor Luitel	Ishwor Luitel	Bhaktapur	Academic Skills and Team Based Learning	Full	2024-02-11 15:37:14

↑ ☐ Check all With selected: Edit Copy Delete Export

☐ Show all | Number of rows: 25 | Filter rows: Search this table | Sort by key: None

Query results operations

Print Copy to clipboard Export Display chart Create view

✓ Showing rows 0 - 9 (10 total, Query took 0.0006 seconds.)

`SELECT * FROM `student``

☐ Profiling [[Edit inline](#)] [[Edit](#)] [[Explain SQL](#)] [[Create PHP code](#)] [[Refresh](#)]

☐ Show all | Number of rows: Filter rows: Sort by key:

Extra options

			id	student_name	level	semester	course	date
<input type="checkbox"/>				4	Sanjeev Kumar Sah	5	2 BIT	2024-02-08 13:15:37
<input type="checkbox"/>				5	Roshan Kumar Sah	5	1 BIT	2024-02-08 13:15:49
<input type="checkbox"/>				6	Aman Mahato	4	1 BIT	2024-02-08 13:16:07
<input type="checkbox"/>				7	Aryan Shrestha	4	2 BIT	2024-02-08 13:16:31
<input type="checkbox"/>				8	Prashant Poudel	4	2 BIBM	2024-02-08 13:16:59
<input type="checkbox"/>				9	Nishan Thapa	4	1 BIBM	2024-02-08 13:17:17
<input type="checkbox"/>				10	Bikki Gupta	6	1 BIT	2024-02-08 13:18:10
<input type="checkbox"/>				11	Aayush Karki	5	2 BIBM	2024-02-08 13:18:33
<input type="checkbox"/>				12	Sumit Gupta	6	1 BIBM	2024-02-08 13:19:00
<input type="checkbox"/>				13	Anish Niure	7	2 BIBM	2024-02-08 13:26:12

☐ Check all With selected: Edit Copy Delete Export

☐ Show all | Number of rows: Filter rows: Sort by key:

Query results operations

Print Copy to clipboard Export Display chart Create view

✓ Showing rows 0 - 11 (12 total, Query took 0.0005 seconds.)

`SELECT * FROM `users``

☐ Profiling [[Edit inline](#)] [[Edit](#)] [[Explain SQL](#)] [[Create PHP code](#)] [[Refresh](#)]

☐ Show all | Number of rows: Filter rows: Sort by key:

Extra options

				id	full_name	username	password	course	mode	date
<input type="checkbox"/>				8	Sanjeev Kumar Sah	Sanjeev	sanjeev	NULL	Admin	2024-02-11 12:48:44
<input type="checkbox"/>				9	Sanjeev Kumar Sah	Sanjeev	sanjeev	BIT	Student	2024-02-11 12:48:54
<input type="checkbox"/>				10	Roshan Kumar Sah	Roshan	Roshan	BIT	Student	2024-02-11 12:49:28
<input type="checkbox"/>				11	Aman Mahato	Aman	aman	BIT	Student	2024-02-11 12:50:03
<input type="checkbox"/>				12	Aryan Shrestha	Aryan	aryan	BIT	Student	2024-02-11 12:50:29
<input type="checkbox"/>				13	Prashant Poudel	Prashant	prashant	BIT	Student	2024-02-11 12:50:59
<input type="checkbox"/>				14	Nishan Thapa	Nishan	nishan	BIBM	Student	2024-02-11 12:51:44
<input type="checkbox"/>				15	Bikki Gupta	Bikki	bikki	BIT	Student	2024-02-11 12:52:11
<input type="checkbox"/>				16	Aayush Karki	Aayush	aayush	BIBM	Student	2024-02-11 12:52:46
<input type="checkbox"/>				17	Sumit Gupta	Sumit	sumit	BIBM	Student	2024-02-11 12:53:16
<input type="checkbox"/>				18	Anish Niure	Anish	anish	BIBM	Student	2024-02-11 12:53:44
<input type="checkbox"/>				19	Jenny Rajak	Jenny	jenny	NULL	Instructor	2024-02-11 12:54:54

☐ Check all With selected: Edit Copy Delete Export

☐ Show all | Number of rows: Filter rows: Sort by key:

Query results operations

Print

Copy to clipboard

Export

Display chart

Create view