

# CS212 Object-Oriented Programming

Due Date: **Thursday 10<sup>th</sup> May, 2019**

## Assignment # 03 (20 Points)

**[CLO2] - Demonstrate the ability to create and use OOP constructs to map real world scenarios.**

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**Note: You will upload your submission on LMS through the submission link (a single Zip file) with executable code and submit a hard copy of the same (word document and implemented interfaces)during the class.**

In this assignment you need to create a Student\_Record application which has the following interface. When a user fills in the form and presses the Save button, the information of Students is saved and displayed in tabular form using a JTable.

If a user wants to update any field related to a particular student, he/she double clicks on a specific field e.g. name Ali, this information gets populated in the textboxes and Update button is pressed to save the updated information in the table.

When a new students' information has to be added to the table, the rows of the table should be automatically increased. The application should take input from the user and display student records in tabular form. This information should be editable and at all times updated values should be displayed in the table using appropriate action listeners.

Proper exception handling should also be done in your application that is developed.

Student Information	
Student_ID	<input type="text"/>
Student_Name	<input type="text"/>
Student_RegNo.	<input type="text"/>
Semester	<input type="text"/>
Semester_GPA	<input type="text"/>
CGPA	<input type="text"/>
<div><input type="button" value="Save"/> <input type="button" value="Update"/></div>	

### Student\_Infomation

Student_ID	Student_Name	Student_RegNo	Semester	Semester_GPA	CGPA
1	Ali Hasan	12345-678	2 <sup>nd</sup>	3.17	3.5
2	.	.	.	.	.
3	..	..	..	..	..