**CS602 – Spring 2022**

Homework 7

**Due date: Sunday, April 24, 2022, 11:59pm**

# Instructions:

* For each day of late submission, 10 points will be deducted.
* After two days, no more submission is allowed.
* You must submit through Canvas.
* Keep this file intact, copy your solution codes from your IDE and paste at the bottom of the file under ‘Answer’. Submit this word document with your codes. Do not change the format of the file to pdf or .rar or anything else.

**Reminder:** [**Academic Integrity**](https://www.njit.edu/dos/code-student-conduct-article-11-university-policy-academic-integrity)policy is strictly implemented on all your submissions.

# Learning Objectives:

* Explain and apply the interaction of JavaFX application with nodes
* Relate events to an action through handlers
* Illustrate control components in JavaFX

Write a JavaFX program to create a slider and a rectangle. The rectangle is filled with a color. When you slide the slider along the x-axis, the fill color of the rectangle changes.

Hints:

1. The default position of the slider should be at zero. So, you can start sliding to the right along x-axis.
2. For the fill color of the rectangle use RGB codes and start with, default, RGB(0,0,0) – this is color black.
3. Have three integers – r, g and b. As you move the slider to the right, increase their values (1,2,3…………255).

Name your class as ColorChanger

# Answer:

**ColorChanger.java**

<paste code here>