# INFO 5100 Application Engineering and Development

### **SUBMISSION DETAILS**

**The Lab Work should be submitted on GitHub Lab Repository**

**Create a new branch labwork-2 and push the lab work**

**LAB LEARNING OBJECTIVES**

* Class components and relationships
* Data Types
* Conditional Constructs (If – Else)
* Validations
* Object Passing
* Arrays
* ArrayList

**PROBLEM STATEMENT**

* With a **Class design model** and Java Swing for frontend design an application to perform CRU operations on a Delivery Packages

Information should include:

1. Package ID
2. Package Weight
3. Product (s)
   * + 1. Product ID
       2. Product Name
       3. Product Price
4. Customer
   1. Full Name
   2. Customer ID

* Use a JSplitPane Collect the information on the Form on the Left Pane
* Display the results in the ResultJPanel
* Update the Package data in EditJpanel
* Do not accept empty values or nulls
* Write a Program to double the values in an array if index is even and triple the values if the index is odd.

**PLAGIARISM**

**When there is evidence that a student has committed plagiarism, copied the work of others, allowed others to copy their work, cheated on an exam, altered class material or scores, or has inappropriate possession of exams, or sensitive material, the incident will be investigated. The consequences for academic dishonesty are severe and that will include a straight F in the course with the potential for dismissal.**