**INFO 6350 Fall 2022**

**Assignment #5**

## In the upcoming assignments, you will incrementally create an application about logistics. The current assignment will focus on creating a simple model for the application. At a minimum, the application should have the following classes and attributes:

| LogisticsOrder | Location | Item |
| --- | --- | --- |
| id | id | id |
| fromLocation | country | name |
| toLocation | state | description |
| estimatedArrivalDate | city | weight |
| departureDate | street | value |
| cost | zip |  |
| itemsCarried |  |  |

The following operations need to be performed:

1. **LogisticsOrder:**
   * + Create order
     + Update departure date
     + Update items
     + View all orders
     + Delete order
2. **Location:**
   * + Create location
     + View all locations
     + Update location
     + Delete location
3. **Item:**
   * + Create item
     + View all items
     + Update item
     + Delete item
4. **Search:**
   * + Search order by date
     + Search order by location

* The *items* in *LogisticsOrder* needs to have information about the number of each item. You may consider using a dictionary.
* You may add more classes as you see fit.
* Add data validation wherever applicable.
* Outputs are displayed on the console. No need for a graphical UI.
* The next few assignments will be based on this one.