**INFO 6350 Fall 2022**

**Assignment 7**

In the previous assignment, you added a user interface by programmatically creating the UI Elements. In this assignment, you will enhance the previous assignment to create a subset of the application along with creating the UI using the Interface Builder. Below is the complete set of classes:

The application comprises at least the classes and attributes mentioned below as a data model:

| LogisticsOrder | Location | Item |
| --- | --- | --- |
| id | id | id |
| fromLocation | country | name |
| toLocation | state | description |
| arrivalDate | city | weight |
| departureDate | street | value |
| totalValue | zip |  |
| items |  |  |

**The following operations need to be performed:**

**LogisticsOrder:** Add, Delete, Update, View All

**Location:** Add, Delete, Update, View All

**Item:** Add, Delete, Update, View All

* The *totalValue* **should** be calculated by item\*quantity. You may use the computed property.
* The *arrivalDate* **should** not be earlier than *departureDate*
* All fields **should** be validated(not negative, numbers only, etc..)
* Add alert **wherever** applicable (eg. Missing field, data validation)
* Do **not** use storyboard but use regular View Controller and Table View Controller
* The appropriate keyboard **should** be used for each type of field
* Use IB to create all required fields, labels, and buttons
* Use tool inspector to customize all views and controls and tools library to create IB outlets and IB actions
* Create a toolbar if needed to group all menu options
* All views other than the landing view **should** have close buttons
* You can start from the App ( or a SingleView app for older XCode versions) template