



# **SOFE 3650U**

## **Software Design & Architecture**

### **Project Proposal**

*Overseer*  
*Inventory Manager*

**Group#: 28**

**Due Date: October 18th, 2021**

<b>First Name</b>	<b>Last Name</b>	<b>Student Number</b>
Daniel	LoPresti	100748818
Nabil	Saleh	100745223
Yousif	Sarmad	100746887
Tomiwa	Oladunjoye	100741743

## Objective

The objective of this project is to use the Attribute Driven Design approach in our designing of a software architecture.

## Application

Our program will be an inventory management system, with the goal of utilizing a software architecture that allows us to easily modify and expand on existing functions. The application will be user friendly, and easy to set up. A user can use the application in organizing a freezer, allowing them to view items that will expire soon, and search through items, and properly organize them.

### 1. Functional

- Adding/ Removing items
- Updating items
- Search Items
- Query
- Show items in specific state (ie. Food that is expiring this week)

### 2. Non-Functional

- User friendly / intuitive
- Must be able interface through web browser (compatibility and consistency among platforms)
- Modularity (can be used for many different use cases)