Requirement Analysis Sprint 2 (due 3/30/20)

**New Feature 1: (Warehouse Name)**

* Functional Requirement

Use Cases

|  |  |
| --- | --- |
| **Create a Warehouse** | **Allows a User to create a Warehouse with required data inputs. Duplicate warehouses are not allowed** |
| **User Action** | **System Response** |
| 1. User clicks add a new warehouse |  |
|  | 1. System prompts for ID, Name, and Freight Type |
| 1. User enters the ID, Name and chooses Freight Receipt Status (Enable/Disable) |  |
|  | 1. Validates data, creates new warehouse in the warehouse table with ID, and Name with selected Freight Receipt status if user’s input is valid. If the user’s input is not valid, the GUI shows a message box with a detailed error message |

**New Feature 2: (Data Retention)**

* Non-Functional Requirement

Use Cases

|  |  |
| --- | --- |
| **Save data State** | **Allows data to be persisted after software has stopped** |
| **User Action** | **System Response** |
| 1. User closes the program |  |
|  | 1. Software saves the current data in the system |

**New Feature 3: (XML Parser)**

* Functional Requirement

Use Cases

|  |  |
| --- | --- |
| **Import an xml file** | **Allows a User import a Warehouse** |
| **User Action** | **System Response** |
| 1. User clicks on Import |  |
|  | 1. System prompts the user to Import a file |
| 1. User chooses XML file |  |
|  | 1. Validates the XML data and parses it into the software. If the data is corrupt, the system informs the user that the XML data cannot be parsed with a detailed message. |

**New Feature 4: (GUI)**

* Functional Requirement

Use Cases

|  |  |
| --- | --- |
| **Interact with GUI controls** | **Allows a User to interact with software system and expect a swift response** |
| **User Action** | **System Response** |
| 1. User is able to click various control elements |  |
|  | 1. System is able to validate the user’s input to the GUI controls and respond promptly to user actions |