**1.Use case for Importing JSON**

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| --- | --- |
| **Actions performed by the actor** | **Responses from the system** |
| 1.User chooses a file to import into the system |  |
|  | 2.System determines whether the file is a JSON or XML, and hands over to the relevant processor. |
|  | 3.Processor reads and transforms file contents in the format compatible with the system. |
|  | 4.Warehouse data extracted is added to the system. |
|  | 5.System prints results of importing and exits. |

**2.Use case for Adding Incoming Shipment**

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| --- | --- |
| **Actions performed by the actor** | **Responses from the system** |
| 1.User chooses the Warehouse to add Shipment to |  |
| 2.User inputs the Shipment ID, Shipment method and weight (in pounds). |  |
|  | 3.System creates a new Shipment with the information given, and adds that Shipment to the given Warehouse. |
|  | 4.System prints confirmation. |
|  |  |

**3.Use case for Toggling Freight Receipt**

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| --- | --- |
| **Actions performed by the actor** | **Responses from the system** |
| 1.User selects a warehouse by its ID value |  |
| 2.The user chooses to toggle freight receipt for the chosen warehouse |  |
|  | 3.The system toggles the value in Warehouse indicating if it is receiving freights or not. |
|  |  |

**4.Use case for Reading warehouse contents**

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| --- | --- |
| **Actions performed by the actor** | **Responses from the system** |
| 1.User selects a warehouse by its ID value |  |
| 2.User chooses to read the attributes and the shipments of the selected warehouse. |  |
|  | 3.The system finds the given warehouse by its ID and prints out warehouse’s attributes |
|  | 4.The system fetches all the shipments belonging to the Warehouse and prints their details |
|  |  |

**5.Use case for Exporting contents to JSON**

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| --- | --- |
| **Actions performed by the actor** | **Responses from the system** |
| 1.User selects a warehouse by its ID value |  |
| 2.User chooses to write the attributes and the shipments of the selected warehouse into a JSON file. |  |
|  | 3.The system finds the given warehouse by its ID and fetches all the shipments belonging to the Warehouse. |
|  | 4.The system writes the selected warehouse’s data and its shipments in to a JSON file |
|  | 5.The system prints confirmation. |