**Requirements:**

PHASE\_1

-The software shall read a file that is in JSON format containing various shipment information.

-The software shall support 4 different types of shipping methods in the input file: air freight, rail freight, ship freight, and truck freight.

-The software shall read and store the shipment ID and gross weight for each entry and associate it with the specified warehouse ID.

-The software shall read and store the associated metadata for each shipment.

-The software shall support the following commands for each warehouse: add incoming shipment, enable freight receipt, and end freight receipt.

-The software shall only allow adding incoming shipments to a warehouse that has enabled freight receipt.

-The software shall keep records for a warehouse that has ended freight receipt, but will now allow new incoming shipments.

-The software shall be able to export all shipments from a warehouse into a single JSON.

-The software shall read and store the associated metadata for each shipment.

-The software shall show the list of received shipments for each warehouse.

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PHASE\_2

-The software shall be able to track shipments based on warehouse’s name and id

-The software shall be able to preserve previous entered warehouse data

-The software shall provide graphical user interface to easily manage tasks with clear directions

-The software shall allow importing XML shipping data in addition to the JSON shipping data.

-The software shall provide robust unit testing

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PHASE\_3

-Software shall be able to run on all Android devices

-The software shall be able to track when a shipment leaves a warehouse