Your assignment is to design and build a program for a transportation company that sends freight. Admins will need to be able to record shipments that arrive at the various warehouses. It will be evaluated against the following requirements:

- 1. The software shall read a file that is in JSON format containing various shipment information.
- 2. The software shall support 4 different types of shipping methods in the input file: air freight, rail freight, ship freight, and truck freight.
- 3. The software shall read and store the shipment ID and gross weight for each entry and associate it with the specified warehouse ID.
- 4. The software shall read and store the associated metadata for each shipment.
- 5. The software shall support the following commands for each warehouse: add incoming shipment, enable freight receipt, and end freight receipt.
- 6. The software shall only allow adding adding incoming shipments to a warehouse that has enabled freight receipt.
- 7. The software shall keep records for a warehouse that has ended freight receipt, but will not allow new incoming shipments.
- 8. The software shall be able to export all shipments from a warehouse into a single JSON file.
- 9. The software shall show the list of received shipments for each warehouse.

