ICS 372

Group Project 3: Requirements

Team Members: Tina Martinez, Val Kalenik, Jesus Flores, Cheng Pha, Luke Pha, Tommy Moua

***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 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.***

***10. The software shall keep track of which shipments are located in which warehouse.***

***11. The software shall read and record the name and unique id for each warehouse.***

***12. The software shall read and store the current state when the program is stopped. The software shall import shipment and warehouse data to the system, once the program is restored.***

***13. The software shall read and import data from a file that is in XML format containing various shipment information.***

***14. The software shall support running on an Android phone and will be implemented using Android Studio.***

***15. The software shall support a graphical user interface on an Android device or emulator. The graphical user interface on an Android device or emulator shall display several buttons : file chooser, import data, export data, add incoming shipment (shipping method, shipment id, gross weight), add warehouse (unique id and name), enable freight receipt, end freight receipt .***

***16. The graphical user interface shall allow users to interact with the software by uploading meta-data from pre-existing files, printing warehouse and shipment lists, deleting shipments, adding shipments and metadata enable freight receipt and end freight receipt.***