Inventory Manager App Exit Program Load Inventory from File Add Product View Product Search for Product by ID or Name Update Product quantity and/or price **Delete Product** Save Inventory to File Start Delete Add View Load Exit Display Add Product & Display Search Check if Check if Display Save Display Load Display Exit Get Inventory by ID or Name Inventory Inventory Display Main Product ID Message Prompt Message Prompt isEmpty isEmpty Menu Prompt Display Display Display empty Display empty Check if File Check if File Inventory in a Display Invalid Process result is Empty Inventory Process result (isEmpty) Inventory Invalid User Input User Input User Input structured Message exists exists Message Message/ format Display Invalid (!isEmpty (!isEmpty User Input Message (!Valid) Prompt for Menu Display Search by ID Prompt Process Process Display Search Validate input --(!Valid)-Unique String --(!Found)return to Main Manual input by ID Prompt exists result result input Menu (Valid) (Found) (Yes) Create File (Yes) Validate Input Write Display not found Display Display not found Display header Display not Get Data from Display Invalid & Product / Product Name found Inventory Message User Input User Input User Input Message Prompt information Message Message Data to File (Valid) (Input = 1)(Input = 4)Display Prompt for Validate input Display Invalid Validate input Validate input !Valid ---(!Found)--(!Found) Confirmation __(Input = 2 Input = 5 Delete return to Main Loading Redirection User Input exists Message exists Menu Message Message/ Found (Found) (Input = 6)(Valid) (Input = 3) (Input = 7) - (Input = 8)Menu Display header & Product Display Prompt Prompt for Copy Data to Validate String -(!Valid)-Display Invalid Confirm return to Main User Input Message to Inventory information Message Menu Exit Display Display Quantity Prompt for Display Invalid Display Invalid —(!Valid) Success Validate input — User Input User Input Message new quantity Message Prompt Message Valid (!Valid) Prompt for Display Invalid Display Invalid Validate input !Valid | Validate Input return to Main User Input Message Message / Menu Valid (Yes) (!Valid) Menu Validate Validate Delete Product -(!Valid)-Display Invalid User Input from Inventory Message Numeric input Numeric input (No) Valid (Valid) Update Prompt for Display Price -(!Valid)-Product return to Main Validate input -Prompt Menu quantity (isEmpty) (Valid) Menu Prompt for Display Invalid Display Invalid User Input User Input message new price Message Validate -(!Valid)-Display Invalid -(!Valid)-Validate input — User Input Numeric input message Valid Valid (!Valid) Menu Validate product to Numeric input inventory (Valid) Display Update Success Product price Message / (isEmpty) Display Prompt for Product return to Main update Menu success message Display Invalid Prompt for Message / return to Main Menu Validate input !Valid — Display Invalid User Input Message Validate input !Valid