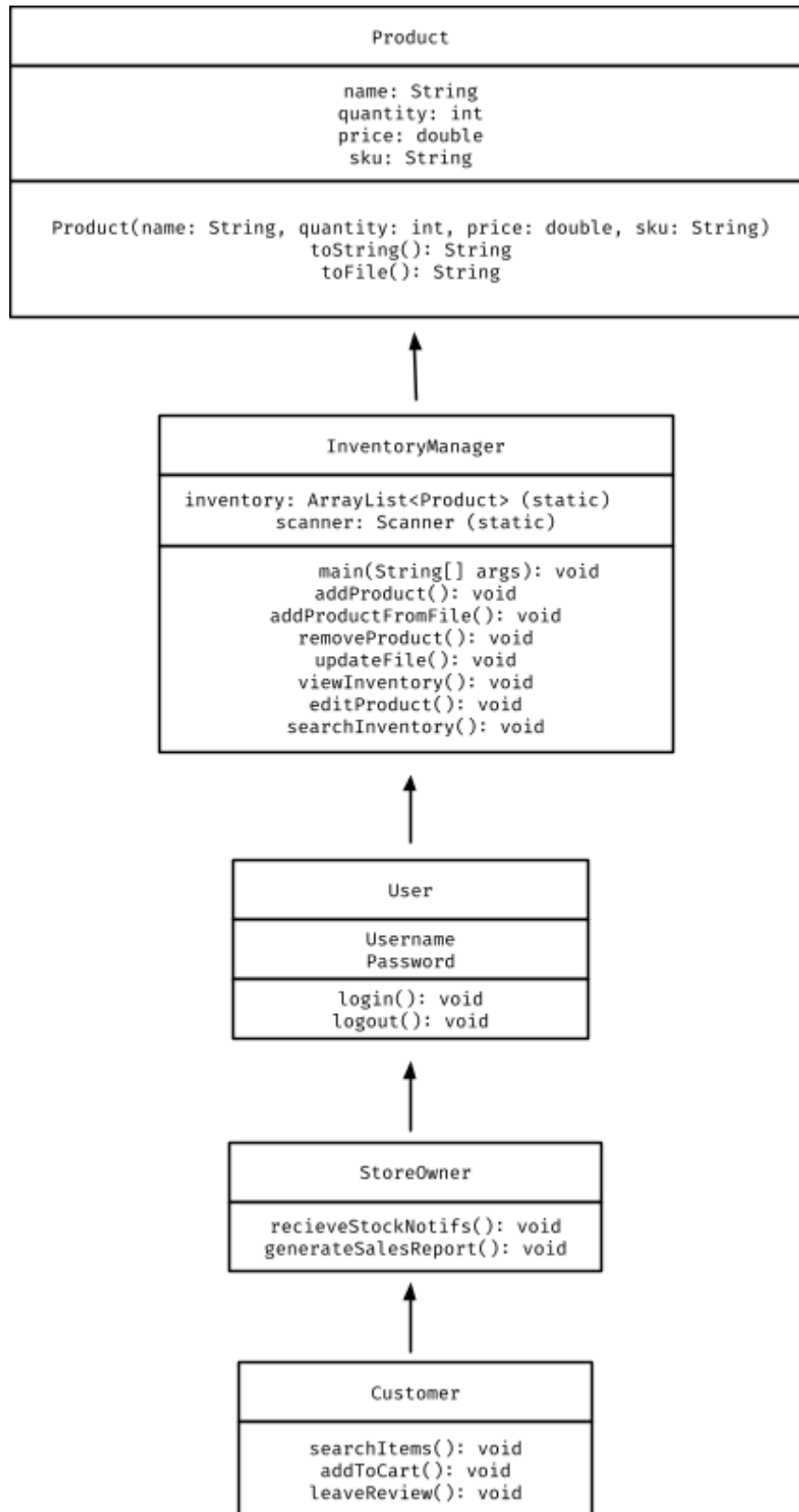


UML CLASS DIAGRAM



UML SEQUENCE DIAGRAM

```
Customer → InventoryManager: searchInventory(query)
InventoryManager → InventoryManager: search inventory list
InventoryManager → Customer: display search results
```

- 1) **Customer** sends a **searchInventory(query)** request to the **InventoryManager** in order to search for the product asked by the customer.
- 2) The **InventoryManager** searches the inventory list.
- 3) The **InventoryManager** finds what the customer has asked for and sends this information back to the **Customer**, displaying the search results.