

Software Design Document

Sozo Inventory System

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Summary

Current process of taking inventory and placing inventory orders is handled manually by a manager at the end of each week. This process is laborious and time-consuming as a manager has to take an inventory of all product items and figure out the correct amount to order to complete the inventory as well as remember to order seasonal items on top of routine orders. To overcome this problem, we design the Sozo inventory whose specifications are presented in this document.

This document describes the requirements for the Sozo Inventory System. It presents the different use cases supported by the software as well as the class and sequence diagrams. Next, it describes the statecharts and activity diagram of the software.

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1. Use Case Diagram

1.1 Sub Sozo Inventory System

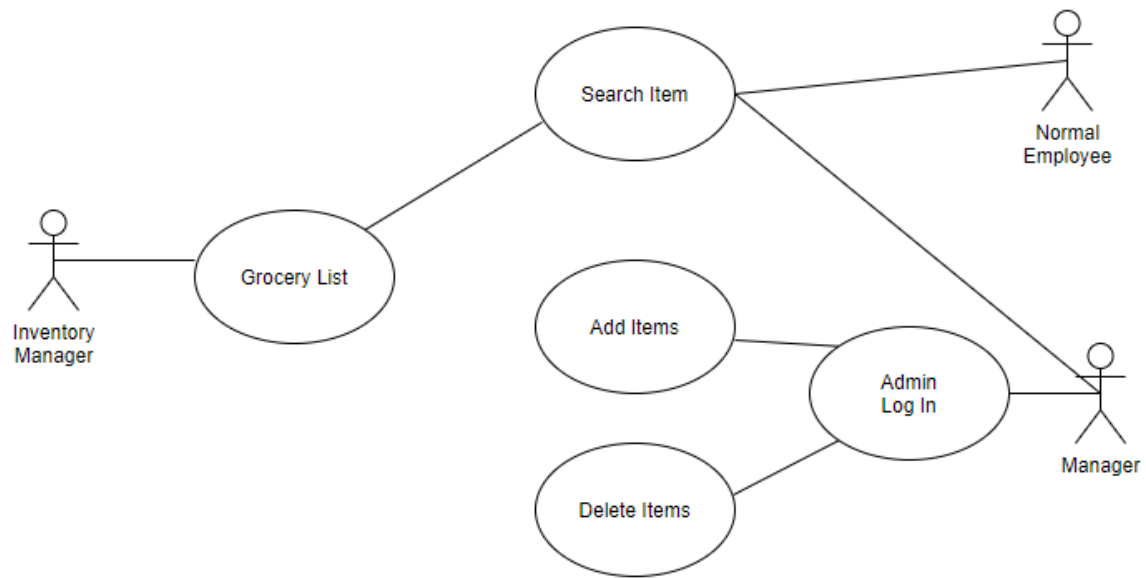


Figure 1. The 1st Use Case Diagram for Sub Sozo Inventory System

2. Class Diagram

2.1 Inventory Items

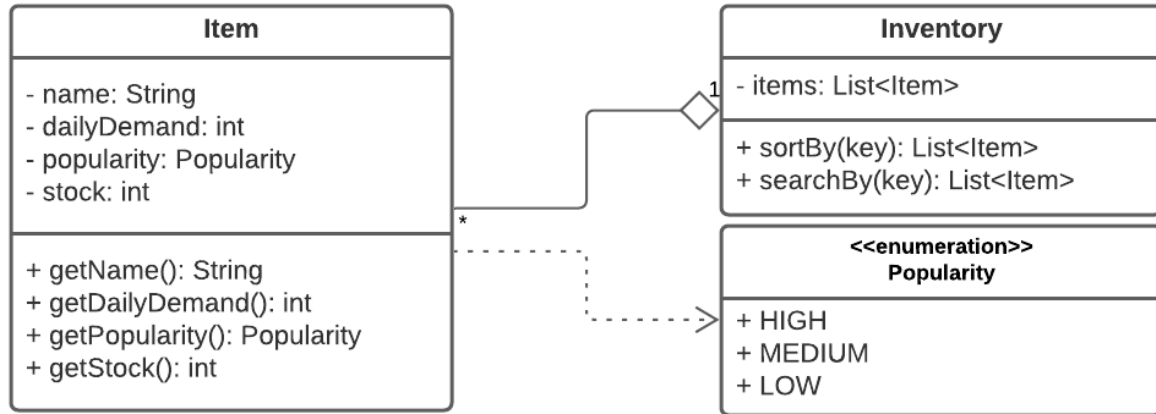


Figure 2. The 1st Class Diagram for the Sozo Inventory System

2.2 Users and Role

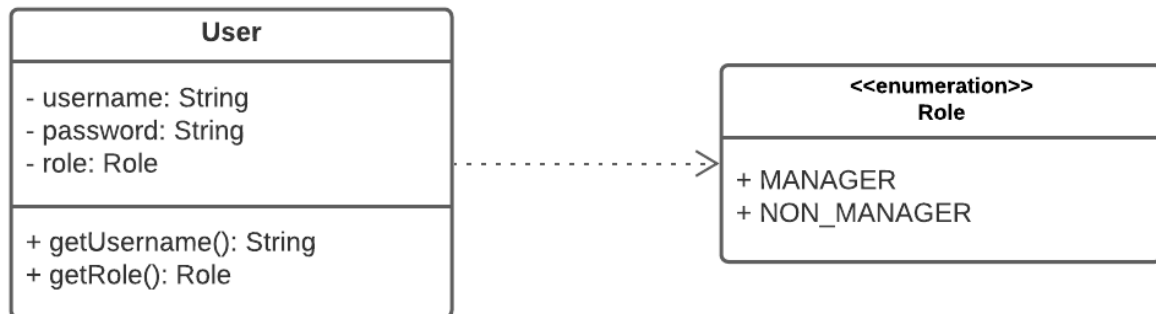


Figure 3. The 2nd Class Diagram for the Sozo Inventory System

2.3 Order

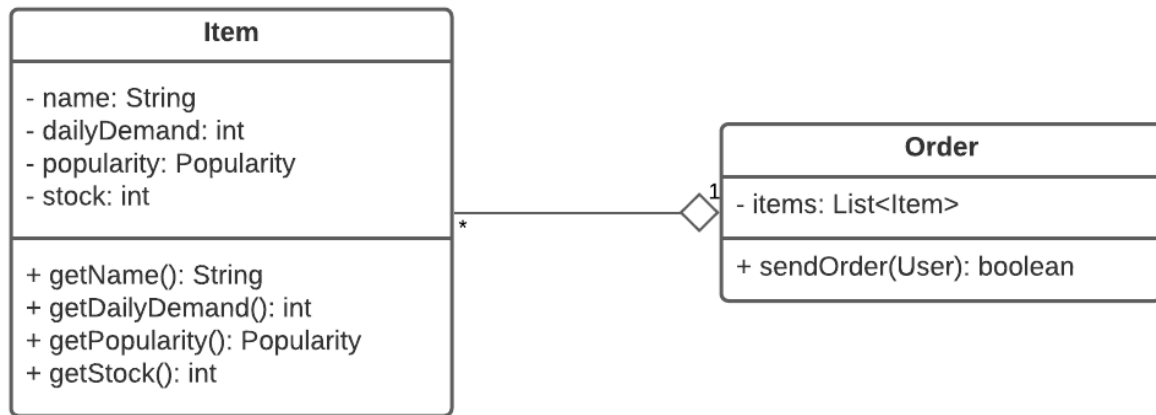


Figure 5. The 3rd Class Diagram for the Sozo Inventory System

3. Sequence Diagram

3.1 Search Bar Functionality

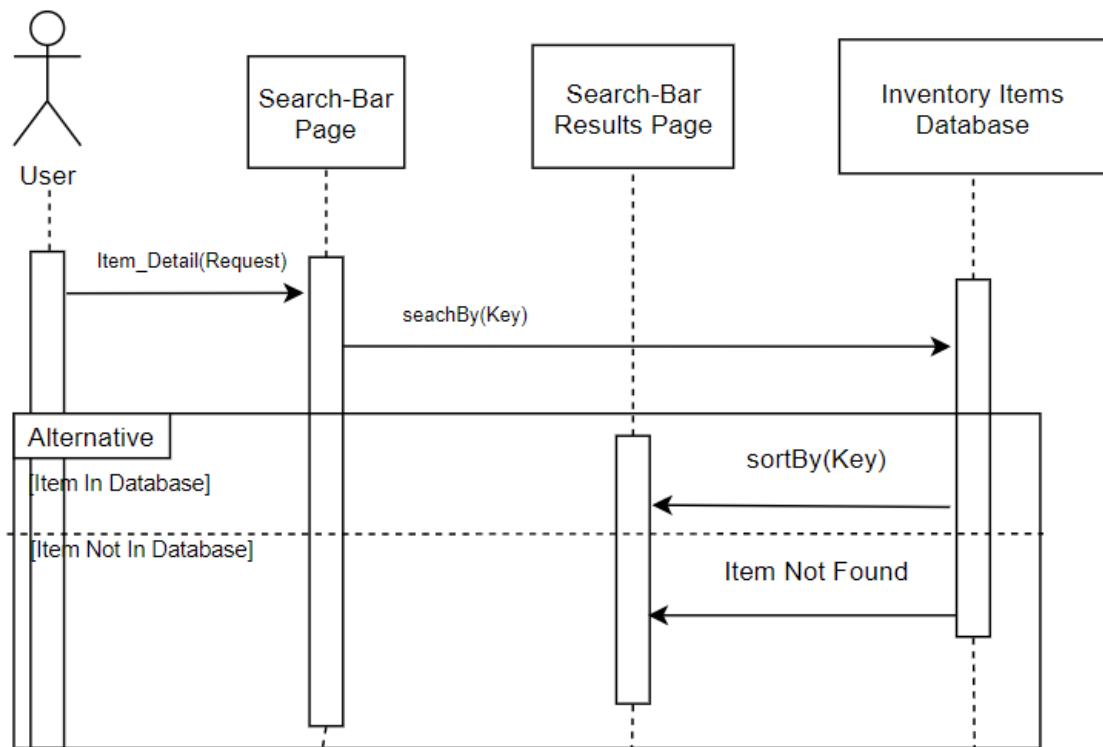


Figure 7. The *1st* Sequence Diagram for Sub Sozo Inventory System

4. Statechart Diagram

4.1 Sub Sozo Inventory System

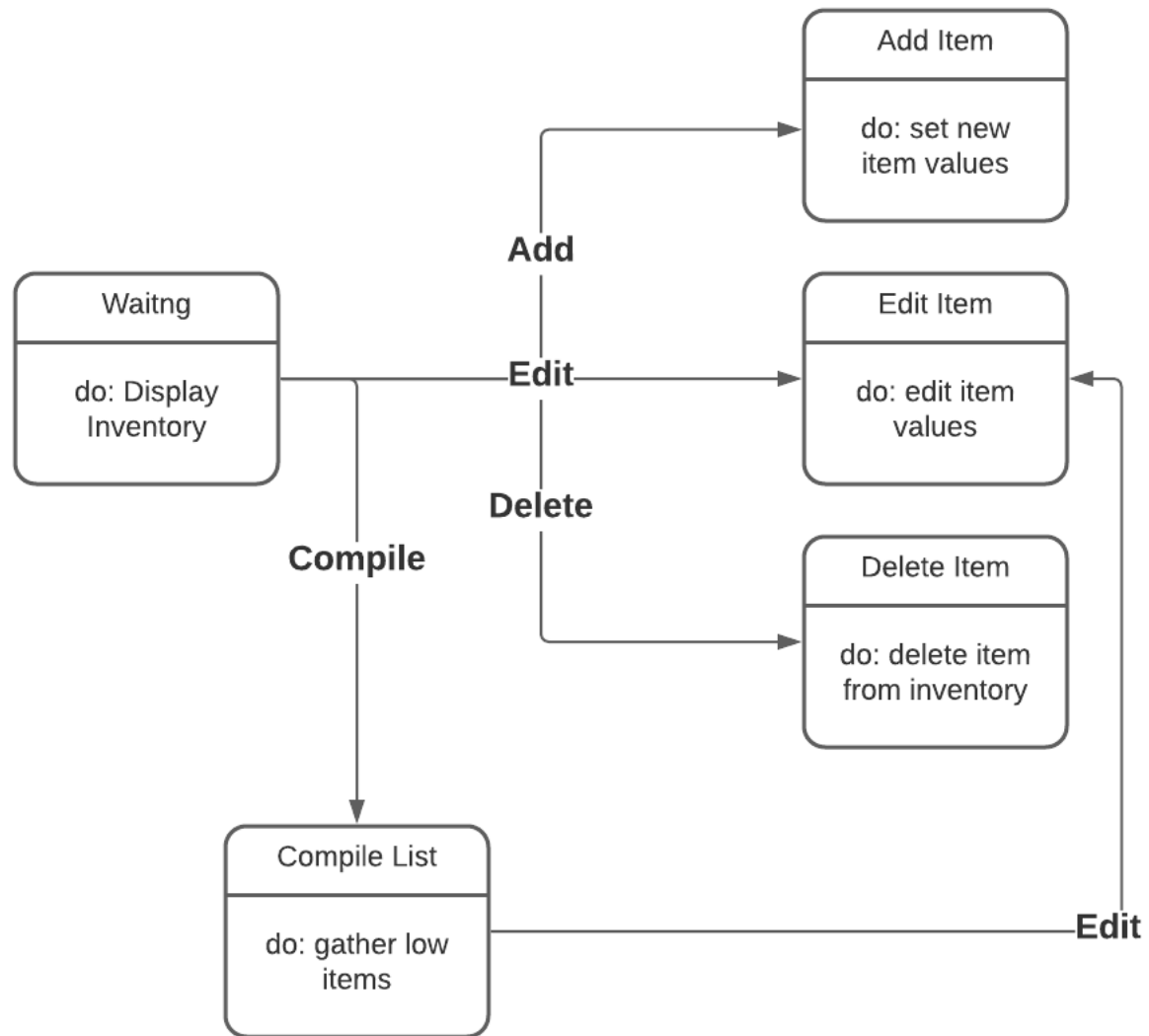


Figure 8. The 1st Statechart Diagram for Sub Sozo Inventory System

5. Activity Diagram

5.1 Sub Sozo Inventory System

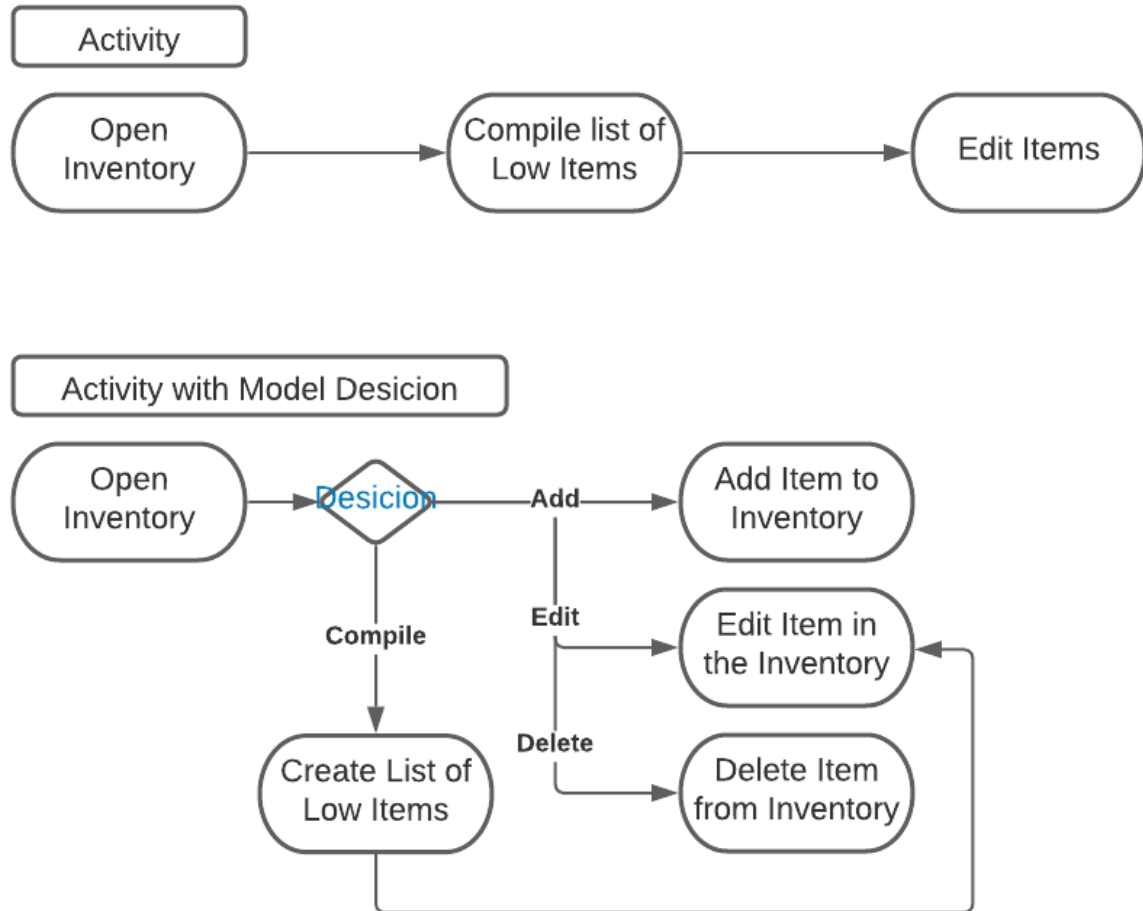


Figure 9. The 1st Activity Diagram for Sub Sozo Inventory System

References

No outside reference was used to produce this document.

Appendix

Caroline Arens - Use Case Diagram, Statechart Diagram, Activity Diagram, Revisor

Tim Higgins - Sequence Diagram, Revisor

Isidore Sossa - Class Diagram, Revisor