

SENG300 P3-G1

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SelfCheckoutStationLogic class:

- Connects all elements of software together
- Install selfCheckoutStation and Session

Session has the following:

- Manages the state of the session
- Has the actions that customers can perform for a self checkout system such as:
  - Start session
  - add/remove items of various types
  - Purchase bags and add own bags
  - Pay for items via cash/card (credit & debit)
  - Enter membership card
  - Get receipt
  - Ask/signal for attendant's help
- Weight package:
  - Updates the weight as items are added to the system
  - Checks for weight discrepancy
- Funds package:
  - Keeps track of the total price of items, the amount paid by the customer, and the remaining amount due by checking status of payment
  - Supports different modes of payment such as pay via cash and pay via card
- Receipt package:
  - Prints receipt once payment has been made
- Items package:
  - Defines a rule for adding items based on different modes of adding items
  - Manages aspects to adding items to an order (scan, visual catalogue, PLU, bulky item)
  - Adds reusable bags (and places in the dispenser)
- Membership package:
  - Defines the instances of members and provides functionality for entering membership numbers

General features for the Attendant (attendant package):

- Attendant session is connected to their own station; listen to all registered customer sessions
- Attendant can do the following to resolve customers' issues:
  - Maintain ink, paper, coin and banknote
  - Enable/disable session
  - Handle weight discrepancy by removing/adding items and/or bags
  - Add item via text search
  - Predict an error pre or post session

All these features are interacted through a graphical user interface for the self-checkout station software, hardware and for the attendant station, developed using the Java Swing library. That allows you to visually interact with all of the components a part of the software.

















