

SENG300 P3-G1

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SelfCheckoutStationLogic class:

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

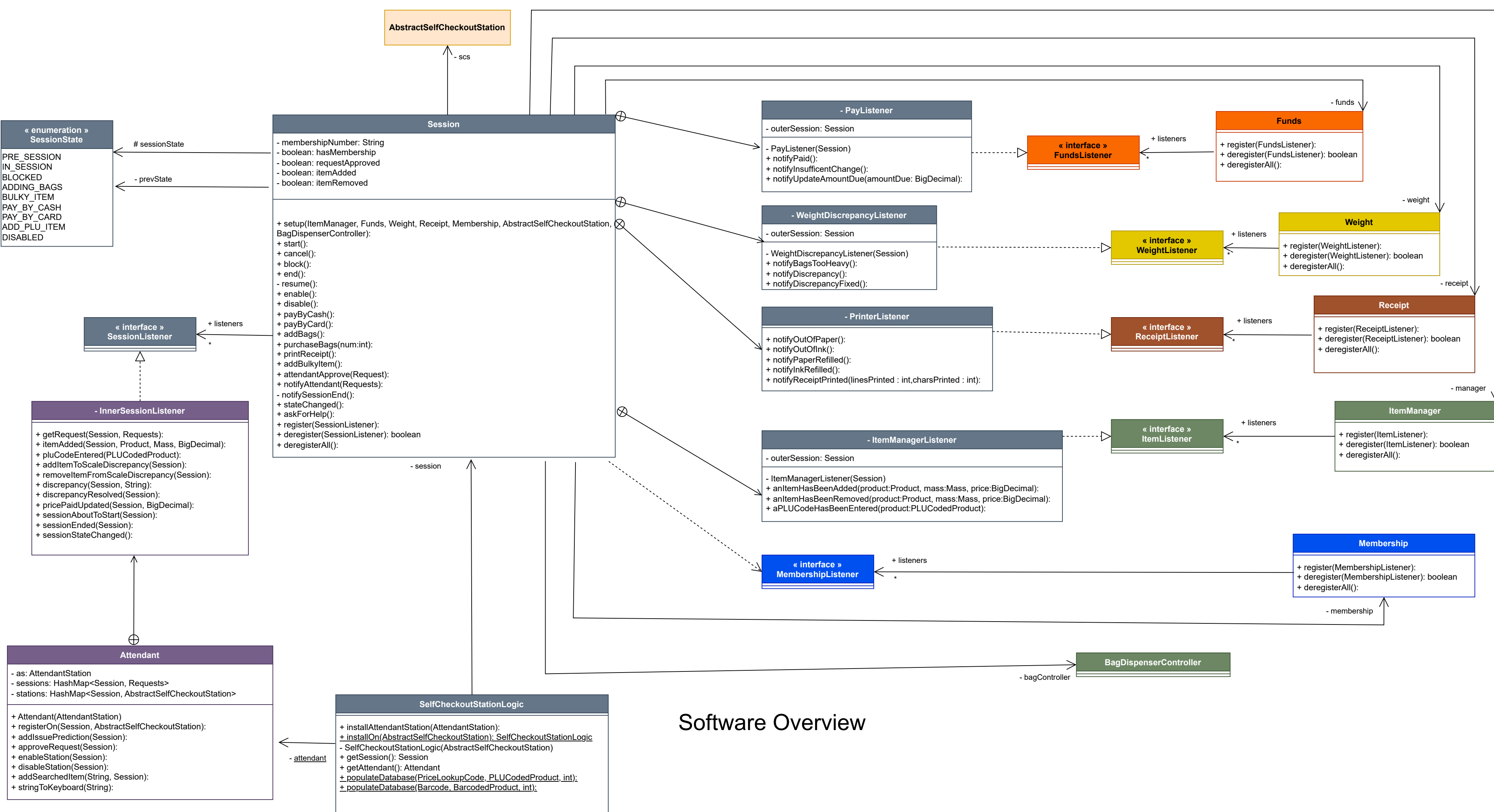
Session has the following:

- 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

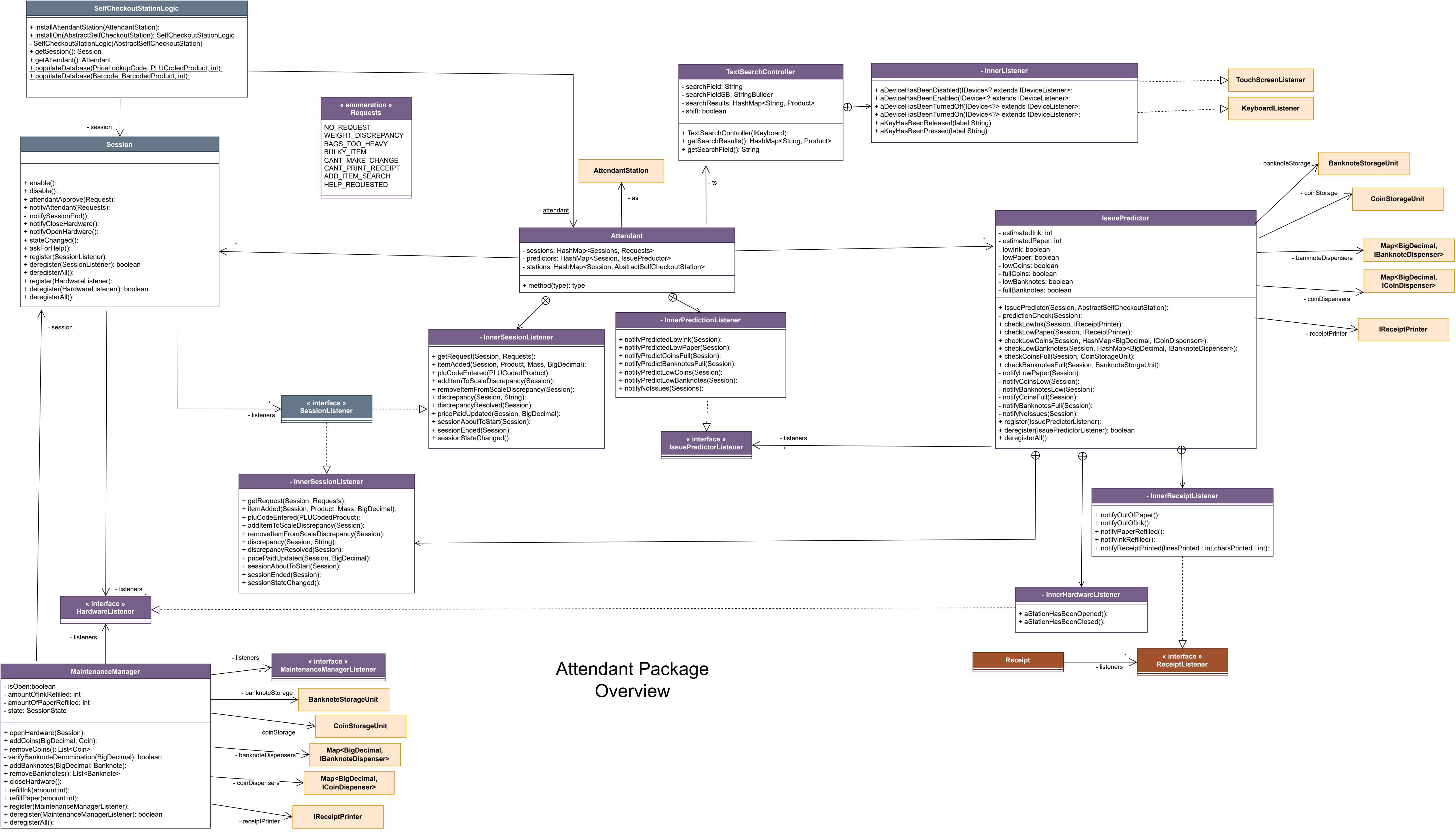
General features for the Attendant (attendant package):

- 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.

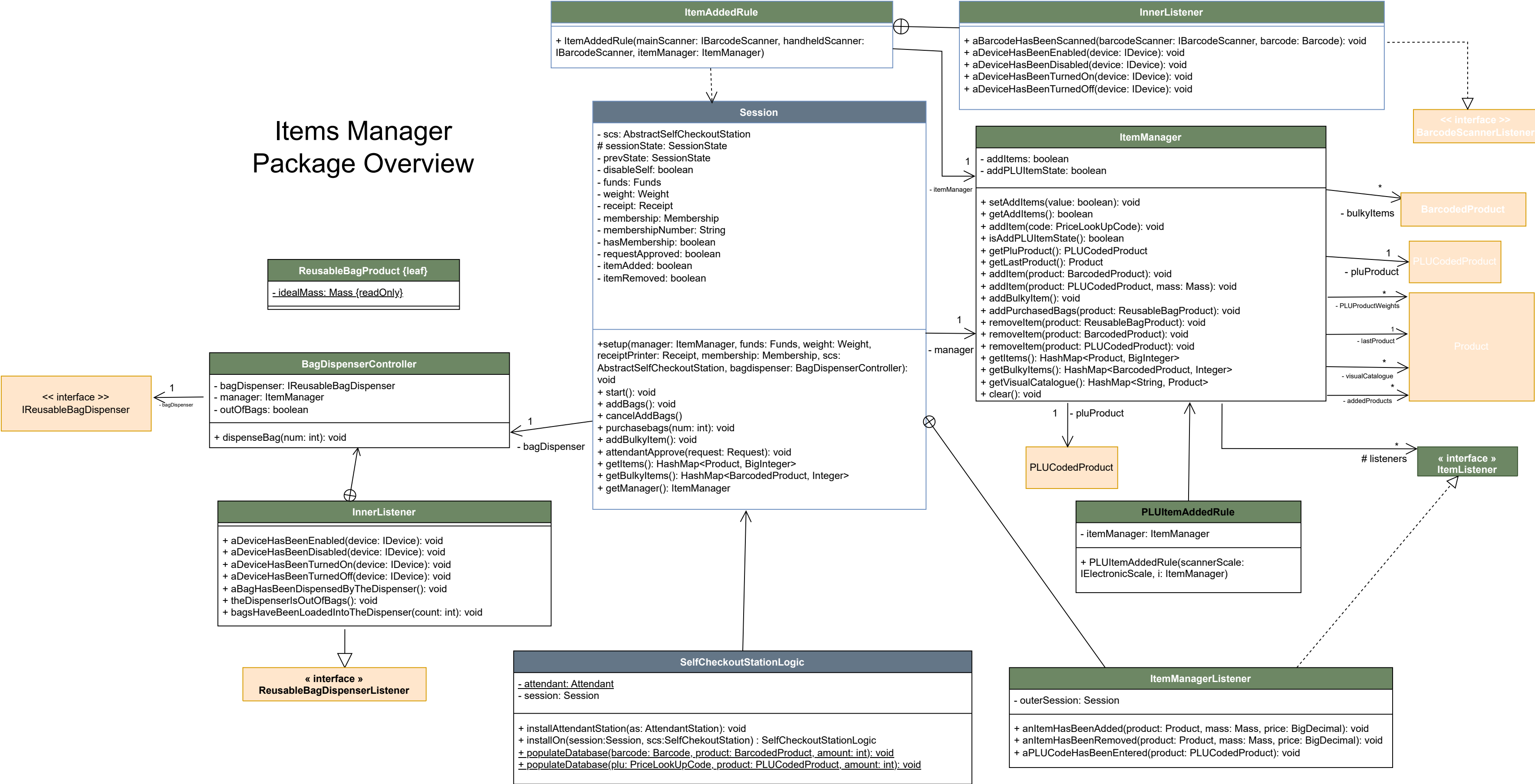


Software Overview

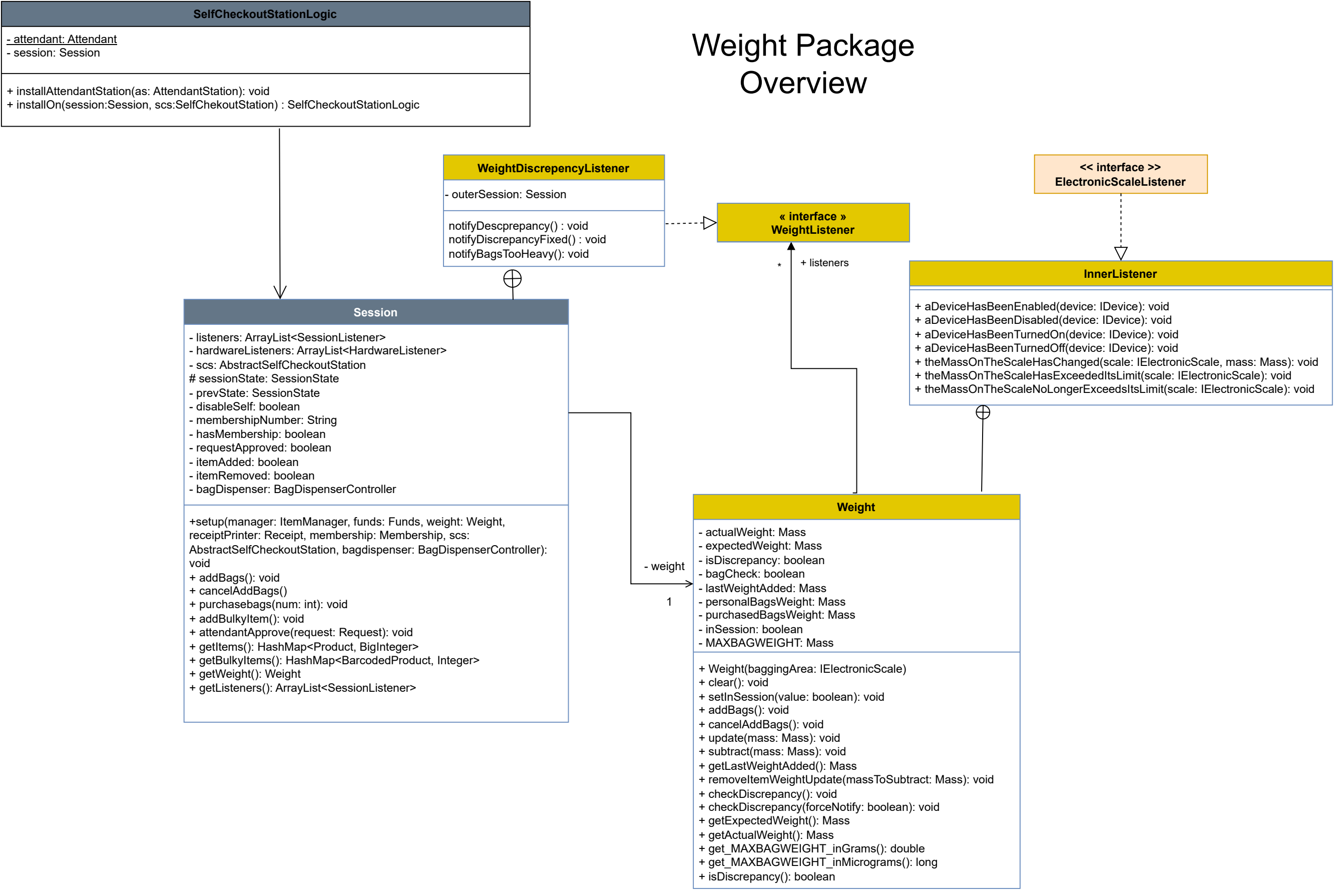


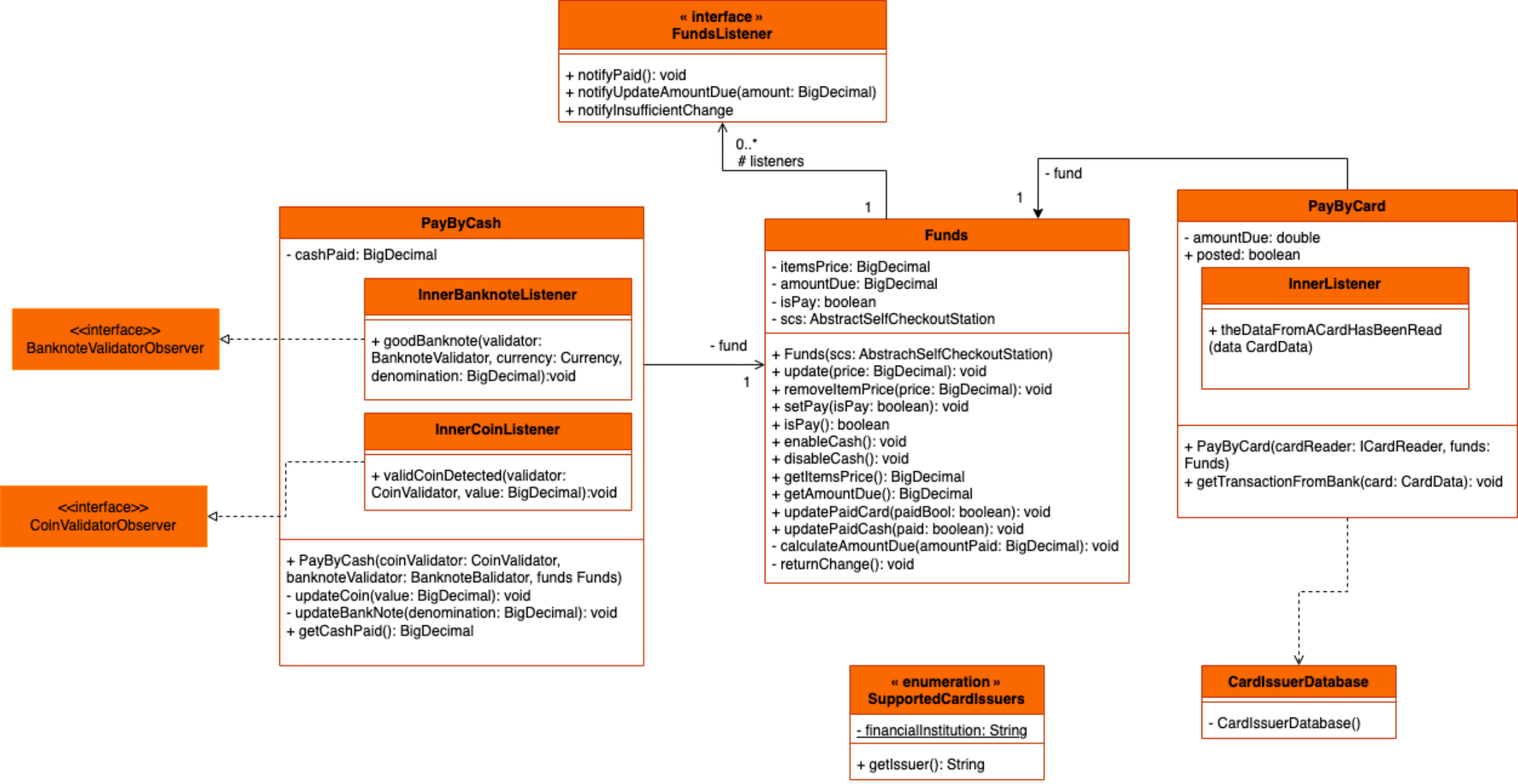
Items Manager

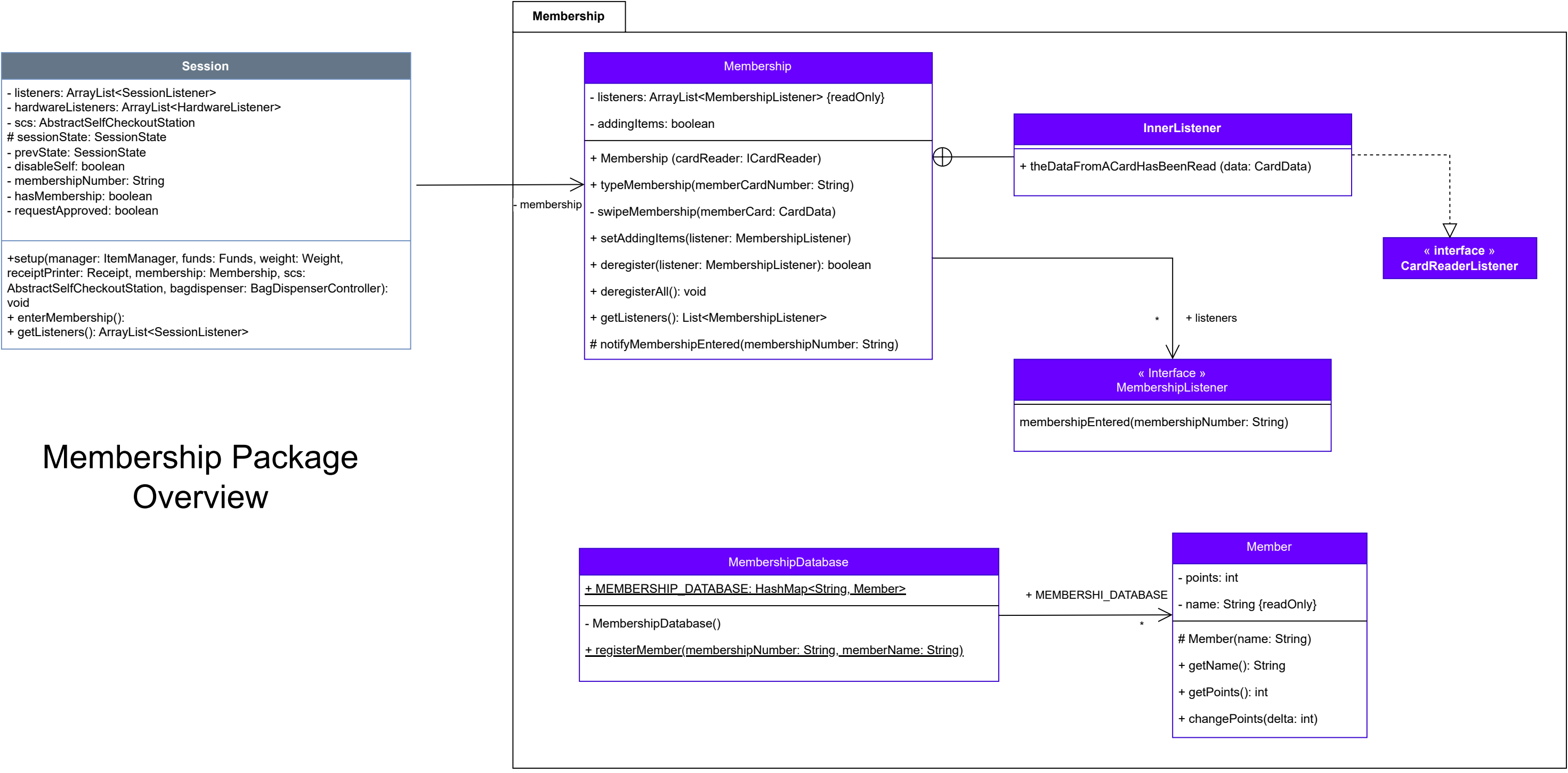
Package Overview



Weight Package Overview







GUI Package Overview

