Weight Package Overview + installAttendantStation(as: AttendantStation): void + installOn(session:Session, scs:SelfChekoutStation) : SelfCheckoutStationLogic << interface >> WeightDiscrepencyListener ElectronicScaleListener outerSession: Session « interface » notifyDescprepancy(): void WeightListener notifyDiscrepancyFixed(): void notifyBagsTooHeavy(): void + listeners InnerListener \oplus + aDeviceHasBeenEnabled(device: IDevice): void Session + aDeviceHasBeenDisabled(device: IDevice): void + aDeviceHasBeenTurnedOn(device: IDevice): void - listeners: ArrayList<SessionListener> + aDeviceHasBeenTurnedOff(device: IDevice): void - hardwareListeners: ArrayList<HardwareListener> + theMassOnTheScaleHasChanged(scale: IElectronicScale, mass: Mass): void - scs: AbstractSelfCheckoutStation + theMassOnTheScaleHasExceededItsLimit(scale: IElectronicScale): void # sessionState: SessionState + theMassOnTheScaleNoLongerExceedsItsLimit(scale: IElectronicScale): void - prevState: SessionState disableSelf: boolean - membershipNumber: String - hasMembership: boolean requestApproved: boolean - itemAdded: boolean - itemRemoved: boolean - bagDispenser: BagDispenserController Weight +setup(manager: ItemManager, funds: Funds, weight: Weight, - actualWeight: Mass receiptPrinter: Receipt, membership: Membership, scs: expectedWeight: Mass AbstractSelfCheckoutStation, bagdispenser: BagDispenserController): - isDiscrepancy: boolean - weight - bagCheck: boolean + addBags(): void lastWeightAdded: Mass + cancelAddBags() personalBagsWeight: Mass + purchasebags(num: int): void - purchasedBagsWeight: Mass + addBulkyItem(): void - inSession: boolean + attendantApprove(request: Request): void - MAXBAGWEIGHT: Mass + qetItems(): HashMap<Product, BigInteger> + getBulkyItems(): HashMap<BarcodedProduct, Integer> + Weight(baggingArea: IElectronicScale) + getWeight(): Weight + clear(): void + getListeners(): ArrayList<SessionListener> + setInSession(value: boolean): void + addBags(): void + cancelAddBags(): void + update(mass: Mass): void + subtract(mass: Mass): void + getLastWeightAdded(): Mass + removeItemWeightUpdate(massToSubtract: Mass): void + checkDiscrepancy(): void + checkDiscrepancy(forceNotify: boolean): void + getExpectedWeight(): Mass + getActualWeight(): Mass + get MAXBAGWEIGHT inGrams(): double

+ get MAXBAGWEIGHT inMicrograms(): long

+ isDiscrepancy(): boolean

SelfCheckoutStationLogic

attendant: Attendant

- session: Session