

TableConnection
- tableDisplay: TableDisplay - receiptPrinter: ReceiptPrinter - cardReader: CardReader - bankClient: BankClient - rack : Rack
+ getCardDetails() + requestAuthorisation(String, Money) + requestReceipt(Money, String) + sendOrder(Ticket) + requestMenu() + requestMenuItem(MenuID) MenuItem + requestItemPrice(MenuID):Money

KitchenController
- kitchenDisplay: KitchenDisplay - rack: Rack - passLight: PassLight - ticketPrinter: TicketPrinter
+ cancelReadyUp() + refreshDisplay() + markItem(ticketNumber, menuID)

Clock
- kitchenController: KitchenController
+ tick()

Ticket
- tableID: String - submissionTime: Date - allItemsCounter: Integer - allItemsReadyCounter: Int - ticketItems: HashMap<MenuID, TicketItem>
+ increaseAllItemsReadyCount() + increaseItemQuantityReady() + addItemToTicket(menuID, desc) + removeItemFromTicket(menuID)

OfficeKVM
- menu: Menu
+ showMenu() + addToMenu(menuID: String, description: String, price: Money) + removeFromMenu(menuID: String) + displayMenu()

BankClient
+ makePayment(cardDetails: String, paymentAmount: Money) + waitForAuthorisation(): String + authorizePayment(cardDetails: String, paymentAmount: Money): String

PassLight
+ switchOn() + switchOff()

TableDisplay
- order: Ticket - tableConnection: TableConnection
+ startOrder() + showMenu() + showTicket() + addMenuItem(menuID) + removeMenuItem(menuID) + submitOrder() + payBill()

Menu
- menu: HashMap<String, MenuItem>
+ getMenuItem(menuID: String): MenuItem + addToMenu(menuID: String, description: String, price: Money) + removeFromMenu(menuID: String)

Rack
- ticketNumber: Integer - ticketList: HashMap<Integer, Ticket>
+ receiveOrder(orderTicket: Ticket) + markReady(tNumber, menuID) + toStrings(): List<String>

MenuItem
- description: String - price: Money

TicketItem
- itemDesc: String - itemQuantity: Integer - itemReadyQuantity: Int
+ addItem() + removeItem() + setReady()

TicketPrinter
+ printTicket(ticket : Ticket)

KitchenDisplay
+ itemReady(ticketNumber, menuID) + displayRack(rack: Rack)

CardReader
+ waitForCardDetails(): String

ReceiptPrinter
+ printReceipt(receipt: Receipt)

PassButton
+ press()