ModelMain

Client

Server

Controller (Client)

GUIController
- +view: ToolShopView
- +addToolShopListeners(): void

ClientCommunication
- -socketOut: PrintWriter
- -palinSocket: Socket
- -socketIn: BufferedReader
- -gui: GUIController
- +communication(): void

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Controller (Server)

ServerCommunication
- -myServer: ServerSocket
- -aSocket: Socket
- -pool: ExecutionService
- -store: Shop
- +communicate(): void

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View

ToolShopView
- -quit: JButton
- -deleteButton: JButton
- -listAllButton: JButton
- -createButton: JButton
- -sidePanel: JPanel
- -mainPanel: JPanel
- -topPanel: JPanel
- -textBox: JTextArea
- -dropMenu: JComboBox
- +addQuitButtonListener(ActionListener): void
- +addDeleteButtonListener(ActionListener): void
- +addListButtonListener(ActionListener): void
- +addCreateListener(ActionListener): void
- +setTextBox(String): void
- +errorDialog(String): void
- +addDropDown(): void
- +refreshTextArea(): void
- +switchVisibility(): void

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Model

Order
- -lines: ArrayList<OrderLine>
- +newOrder(Item i, int amount): void
- -generateID(): int
- -numberExists(int id): boolean
- +toString(): String
- +writeTxt(): void

OrderLine
- -item: Item
- -date: Date
- -amount: int
- -orderID: int
- +toString(): String

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Shop
- -order: Order
- -suppliers: ArrayList<Suppliers>
- -inventory: Inventory
- +setSocketIn(Socket socketIn): void
- +menu2(): int
- +menu(): int
- +sendString(String toSend): void
- +pressEnter(): void
- +menuRunner(): void
- +decreaseQuantity(): void
- +orderMore(Item item): void
- +assignSupplier(): void
- +addSupplierText(): void
- +addItem(String name, int id, double price, int stock, int supID): void
- +supplierIDChecker(int id): boolean
- +addItem(): void
- +deleteItem(): void
- +listAllItems(): void
- +listAllSuppliers(): void
- +checkQuantity(): void
- +searchName(int option): Item
- +searchID(item option): Item

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Inventory
- -items: ArrayList<Item>
- +addItemsText(): void
- +itemIDChecker(int id): boolean
- +deleteItem(): void
- +searchByName(String n): Item
- +searchByID(int id): Item

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Item
- -supplier: Supplier
- -id : int
- -name: String
- -price : double
- -stock: int
- -supplierID: int
- +toString(): String

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Supplier
- -id: int
- -name: String
- -address: String
- -contact: String
- +toString(): String

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