SupplyChainManager +DBURL: String +USERNAME: String +PASSWORD: String -dbConnect : Connection -results : ResultSet +SupplyChainManager(databaseURL: String, username: String, password: String) -initializeConnection() +run(name : String, tableName : String, quantity : String) : boolean -deleteID(id : String, tableName : String) +selectItem(name: String, tableName: String): ArrayList<Item> +selectManufacturers(): ArrayList<String> NoValidCombinationsException -newItem(result : ResultSet, tableName : String) : Item 1 -serialVersionUID : long = 1L -selectBestCombination(items : ArrayList<Item>) : ArrayList<Item> +NoValidCombinationsException(message : String) -getPriceForCombinations(arr : ArrayList<ArrayList<Item>>) : ArrayList<Integer> 0..* -removeDuplicates(toChange: ArrayList<ArrayList<Item>>): ArrayList<ArrayList<Item>> -createCombinations(parts : ArrayList<ArrayList<Item>>) : ArrayList<ArrayList<Item>> -createCombinations(index: int, combos: ArrayList<ArrayList<Item>>): ArrayList<ArrayList<Item>> 1 1 0..* Item OutFile -id : String -Request : String -type : String -Quantity: String -typerVariables : String[] -IDs : ArrayList<String> -price : String -TotalPrice : String -manuID: String -filename : String = "OutputFile" +ltem() +OutFile(req : String, qua : String, ids : ArrayList<String>) +Item(id : String, type : String, variables : String[], price : String, manuID : String) +OutFile(reg: String, gue: String, companies: ArrayList<String>) +getId() : String +writeOutFile() +getType() : String +writeNoneAvailable(name : String) +getTypeVariables() : String[] +getPrice() : String +getManuID() : String