User Reader Database Reader Cost Calculator -databaseReader: DatabaseReader -connection : Connection -databaseReader: DatabaseReader -costCalculator: CostCalculator -classStmt : PreparedStatement -printer: Printer -DBURL : String -chosenCategory: String -USERNAME: String +CostCalculator (DatabaseReader) -chosenType: String -PASSWORD : String -chosenNumberOfItems: int +getDatabaseReader(): -storedOrder: String[] DatabaseReader -storedOrderCost: double +DatabaseReader (String, String, -quit: boolean String) +calculateBestSet(int, String, String): String[] +UserReader(String, String, String) +getClassStmt(): PreparedStatement +main(String[]) +getAllSubsetsOfList(String[]): +setClassStmt(PreparedStatement) +displayIntroduction() ArrayList<String[]> +suggestManufacturers() +getDBURL(): String +promptNewOrder(): boolean +costOfIDSet(String[], String): double +closeProgram() +getUSERNAME(): String -quitCheck(String) +IDSetCanMakeNumberOfItems(int, +promptUser() +getPASSWORD(): String String[], String, String): boolean -promptConfirmPurchase(): boolean +validateCategory(String): boolean +initializeConnection() +getAllMatchingIDs(String, String): +validateType(String, String):boolean String[] -displayAllCategories() +close() -displayTypesOfCategory(String) +requestedNumberIsPossible(int, +getChosenCategory(): String String, String): boolean +setChosenCategory(String) +getChosenType(): String +getItems(String, String): ResultSet +setChosenType(String) +getChosenNumberOfItems(): int +checkForItem(String, String): int +setChosenNumberOfItems(int) +getStoredOrder():String[] Printer +removeItem(String, String) +setStoredOrder(String[]) +getStoredOrderCost():double +IDToInfo(String, String): String[] -output: BufferedWriter +setStoredOrderCost(double) +getDatabaseReader(): DatabaseReader +Printer() +getCostCalculator: CostCalculator +getQuit(): boolean +printRequest(String, String, int) +setQuit(boolean) +close() +printOrderedIDS (String []) +printPrice (double) INVENTORYTOARRAYS **MANUFACTURERS** +FILINGMANUFACTURERSID : int [] = {2, 4, +<u>ALLCATEGORIES</u>: String[] = { "Filing", "Lamp", "Desk", "Chair" } +CHAIRMANUFACTURERSID: int [] = {2, 3, 4, 5} +<u>ALLCHAIRTYPES</u>: String [] = { "Kneeling", "Task", "Mesh", +DESKMANUFACTURERSID : int [] = {1, 2, 4, "Executive", "Ergonomic" } +<u>ALLDESKTYPES</u>: String [] = +LAMPMANUFACTURERSID : int [] = $\{2, 4, 5\}$ {"Standing", "Adjustable", "Traditional" } +MANUFACTURERS : String [] = { "Academic Desks", "Office Furnishing", "Chairs R Us", +<u>ALLLAMPTYPES</u>: String [] = "Furniture Goods", "Fine Office Supplies" } {"Desk", "Study", "Swing Arm" } +<u>ALLFILINGTYPES</u>: String [] = {"Small", "Medium", "Large"} +returnManufacturers (String): String