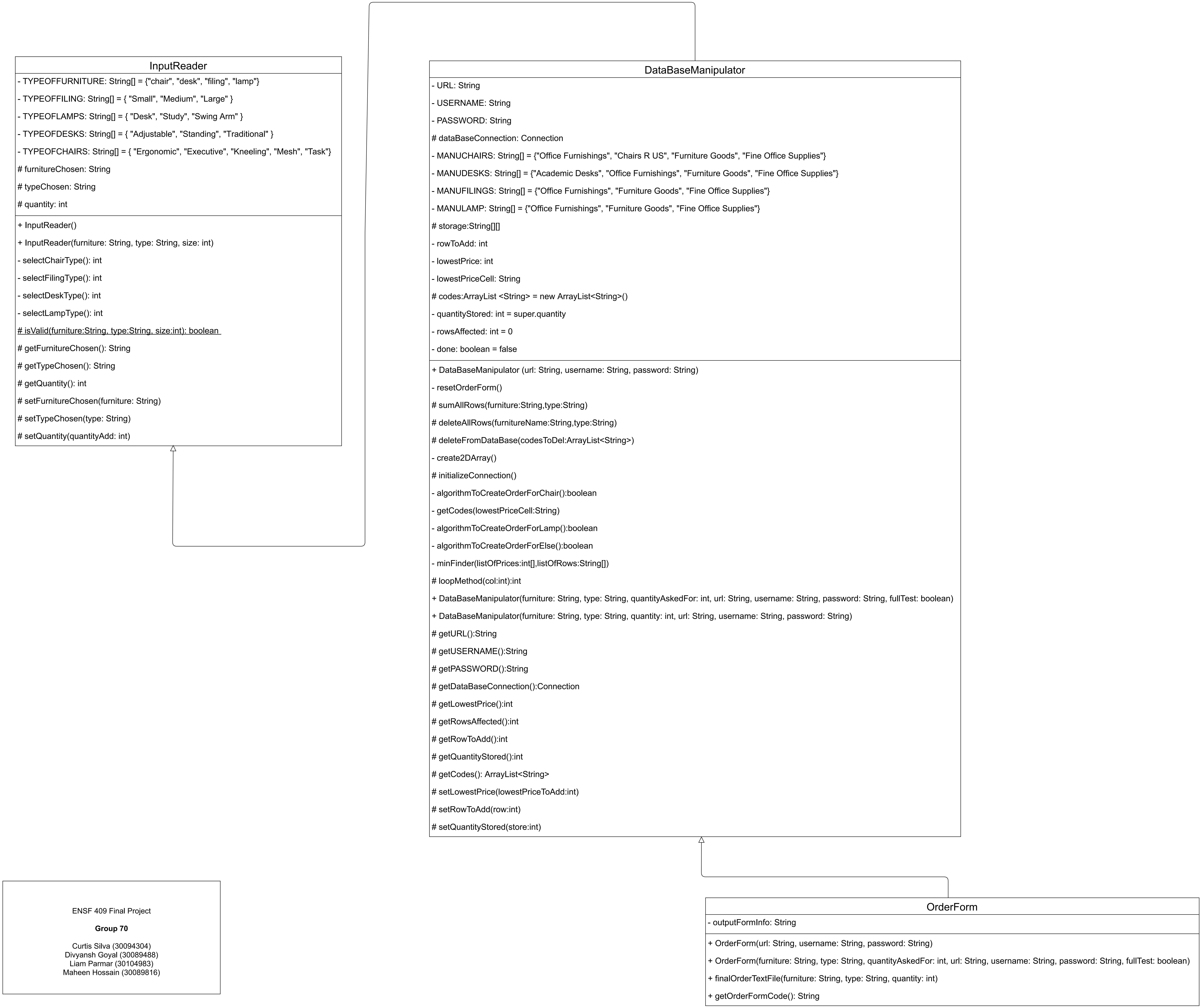

InputReader

- TYPEOFFURNITURE: String[] = {"chair", "desk", "filing", "lamp"}
- TYPEOFFILING: String[] = { "Small", "Medium", "Large" }
- TYPEOFLAMPS: String[] = { "Desk", "Study", "Swing Arm" }
- TYPEOFDESKS: String[] = { "Adjustable", "Standing", "Traditional" }
- TYPEOFCHAIRS: String[] = { "Ergonomic", "Executive", "Kneeling", "Mesh", "Task"}
# furnitureChosen: String
# typeChosen: String
# quantity: int

+ InputReader()
+ InputReader(furniture: String, type: String, size: int)
- selectChairType(): int
- selectFilingType(): int
- selectDeskType(): int
- selectLampType(): int
# isValid(furniture:String, type:String, size:int): boolean
# getFurnitureChosen(): String
# getTypeChosen(): String
# getQuantity(): int
# setFurnitureChosen(furniture: String)
# setTypeChosen(type: String)
# setQuantity(quantityAdd: int)

DataBaseManipulator

- URL: String
- USERNAME: String
- PASSWORD: String
# dataBaseConnection: Connection
- MANUCHAIRS: String[] = {"Office Furnishings", "Chairs R US", "Furniture Goods", "Fine Office Supplies"}
- MANUDESKS: String[] = {"Academic Desks", "Office Furnishings", "Furniture Goods", "Fine Office Supplies"}
- MANUFILINGS: String[] = {"Office Furnishings", "Furniture Goods", "Fine Office Supplies"}
- MANULAMP: String[] = {"Office Furnishings", "Furniture Goods", "Fine Office Supplies"}
# storage:String[][]
- rowToAdd: int
- lowestPrice: int
- lowestPriceCell: String
# codes:ArrayList <String> = new ArrayList<String>()
- quantityStored: int = super.quantity
- rowsAffected: int = 0
- done: boolean = false

+ DataBaseManipulator (url: String, username: String, password: String)
- resetOrderForm()
# sumAllRows(furniture:String,type:String)
# deleteAllRows(furnitureName:String,type:String)
# deleteFromDataBase(codesToDel:ArrayList<String>)
- create2DArray()
# initializeConnection()
- algorithmToCreateOrderForChair():boolean
- getCodes(lowestPriceCell:String)
- algorithmToCreateOrderForLamp():boolean
- algorithmToCreateOrderForElse():boolean
- minFinder(listOfPrices:int[],listOfRows:String[])
# loopMethod(col:int):int
+ DataBaseManipulator(furniture: String, type: String, quantityAskedFor: int, url: String, username: String, password: String, fullTest: boolean)
+ DataBaseManipulator(furniture: String, type: String, quantity: int, url: String, username: String, password: String)
# getURL():String
# getUSERNAME():String
# getPASSWORD():String
# getDataBaseConnection():Connection
# getLowestPrice():int
# getRowsAffected():int
# getRowToAdd():int
# getQuantityStored():int
# getCodes(): ArrayList<String>
# setLowestPrice(lowestPriceToAdd:int)
# setRowToAdd(row:int)
# setQuantityStored(store:int)

OrderForm

- outputFormInfo: String

+ OrderForm(url: String, username: String, password: String)
+ OrderForm(furniture: String, type: String, quantityAskedFor: int, url: String, username: String, password: String, fullTest: boolean)
+ finalOrderTextFile(furniture: String, type: String, quantity: int)
+ getOrderFormCode(): String

ENSF 409 Final Project

Group 70

Curtis Silva (30094304)
Divyansh Goyal (30089488)
Liam Parmar (30104983)
Maheen Hossain (30089816)