DataHandler

+ DBURL: String = "jdbc:mysql://localhost/inventory"

+ USERNAME: String = "scm"

+ PASSWORD: String = "ensf409"

- connect: Connection

- results: ResultSet

- inputCategory: String

- inputType: String

- inputAmount: int

- checkList: int = 0

- totalCost: int = 0

- count: int = 0

- a1: String[2]

- a2: String[2]

- a3: String[2]

- a4: String[2]

- newID: ArrayList<String>

- finalIds: ArrayList<ArrayList<String>>

- finalCost: ArrayList<Integer>

- allPossibleCombinations: ArrayList<ArrayList<String>>

- allCosts: ArrayList<Integer>

- numberOfRows: int

+ main(args: String[])

+ DataHandler(category: String, type: String, amount: int)

+ getInputCategory(): String

+ getInputType(): String

+ getInputAmount(): int

+ getFinalIds(): ArrayList<ArrayList<String>>

+ getFinalCost(): ArrayList<Integer>

+ sumOfCosts(): int

+ initializeConnection()

+ close()

- makeChecklist()

+ findCombo(): boolean

- mainStrategy()

- lookForAllCombination()

- checkFourColumns()

- checkThreeColumns()

- checkTwoColumns()

- resetAttributes()

- checklistForChair()

- checklistForDeskOrFiling()

- checklistForLamp()

+ deleteUsedIds()

- checklist(x: String[])

+ printRecommendations()

+ makeFile()

IO

- category: String

- type: String

- amount: int

- sum: int

- allIds: ArrayList<ArrayList<String>>

- allCosts: ArrayList<Integer>

+ IO()

+ start()

+ checkWithUser(): boolean

- askUser()

- askForCategory()

- askForType()

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