IOException

SQLException

<<throws>>

<<interface>>
PrintOutput

+ printOrderForm()

<<throws>>

Hamper

- -numAdultsM: int
- -numAdultsF: int
- -numChildUnder8: int
- -numChildOver8: int
- -totalWholeGrains: int
- -totalFruitVeggies: int
- -totalProtein: int
- -totalOther: int
- -totalCalories: int
- -requiredWholeGrains: int
- -requiredFruitVeggies: int
- -requiredProtein: int
- -requiredOther: int
- -requiredCalories: int
- -foodItems: ArrayList<FoodItem>
- -quantity: int
- -db: FoodItemDatabase

- +Hamper(int numAdultM, int numAdultF, int numChildOver8, int numChildUnder8, int numHampers)
- +createHamper()
- +validateHamper(): boolean
- +getNumberOfHampers(): int
- +getNumAdultsM(): int
- +getNumAdultsF(): int
- +getNumChildUnder8(): int
- +getNumChildOver8(): int
- +getTotalWholeGrains(): int
- +getTotalFruitVeggies(): int
- +getTotalProtein(): int
- +getTotalOther(): int
- +getTotalCalories(): int
- +createHamper()
- +getFoodItems():FoodItem[]
- +validateHamper(): boolean

FoodItemDatabase

- -foodItemArray: ArrayList<FoodItem>
- -dbConnect: Connection
- -results: ResultSet

- +FoodItemDatabase()
- +generateFoodItems(int targetWholeGrains, int targetVeggies, int targetProtein, int targetOther): ArrayList<FoodItem>
- +addLastFoodItem(int targetWholeGrains, int targetVeggies, int targetProtein, int targetOther, ArrayList<FoodItem> hamper): ArrayList<FoodItem>
- +fetchFromFoodDatabase()
- +deleteItem(String foodItem)
- +getFoodItemArray(): ArrayList<FoodItem>
- +updateDatabase()
- +getFoodItem(String foodItem): FoodItem

<<throws>>

1..*

0..1

<< uses >>

Order

- -hampers: ArrayList<Hamper>

- +Order(ArrayList<Hamper> hamperArray)
- +getHampers(): ArrayList<Hamper>
- +addHamper(Hamper hamper)
- +validateOrder(): boolean
- +getHamperForm(): String

1..*

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<<uses>>

FoodItem

- -ITEMID: int
- -ITEMNAME: String
- -GRAINCONTENT: int
- -FRUITVEGGIESCONTENT: int
- -PROTEINCONTENT: int
- -OTHERNUTRITION: int
- -CALORIES: int

- +FoodItem(int itemID, String itemName, int grainContent, int fruitsVeggiesContent, intProteinContent, int otherNutrition, int calories)
- +getItemID(): int
- +getItemName(): String
- +getGrainContent(): int
- +getFruitsVeggiesContent(): int
- +getProteinContent(): int
- +getOtherNutrition(): int
- +getCalories(): int

HamperGUI

<<uses>>

GUI

<<uses>>

Client

- -CLIENTID: int
- -CLIENTTYPE: String
- -WHOLEGRAINS: int
- -FRUITVEGGIES: int
- -PROTEIN: int
- -OTHER: int
- -CALORIES: int

- +Client(String clientID, String clientType, int wholeGrains, int protein, int fruitVeggies, int calories, int other)
- +getCalories():int
- +getWholeGrains(): int
- +getProtein(): int
- +getFruitsVeggies(): int
- +getOther(): int
- +getClientType(): String

1..*

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ClientSingleton

- -clients: HashMap<String, Client>

- +ClientSingleton()
- -fetchClientsFromDatabase()
- +getClient(String clientType): Client

<<throws>>

IllegalArgumentException

<<throws>>

<<throws>>

<<throws>>

<<uses>>