OrderForm **UML FoodBank IOException** --<<throws>>-Nooreldeen Abdallah Justin Kuhn + printOrderForm(order: Request) Fanny Lo Jan Petallo <<use>> Order familes: ArrayList<Family> Family - inventory: Inventory 1 + Order(family: Family, inventory: Inventory) - familyMembers: ArrayList<Person> + addFamily(Family: fam) - mobilityAssistance: boolean=false + removeFromInventory(items: ArrayList<FoodItem>):String Person - hamper: Hamper + displayOrdert(): String NUTRITIONAL_NEEDS:Nutrition - CLIENT_ID: int + Family() + addFamilyMember(member: Person) + removeFamilyMember(member:Person) + Person(nutritionalNeeds: Nutrition, clientID: int) + weeklyFamilyNeeds(): Nutrition + getNutritionalNeeds(): Nutrition + getGrainNeeds(): int + getClientID: int + getVeggieNeeds(): int Inventory + getProteinNeeds(): int + getOtherNeeds(): int + getCalorieNeeds(): int - inventory: ArrayList <FoodItem> + getFamilyMembers(): ArrayList<Person> + createHamper(weeklyFamilyNeeds: Nutrition) + Inventory() + getHamper(): Hamper + addToInventory(item:FoodItem) + removeItem(item: FoodItem): boolean + isAvailable(hamper:Hamper):boolean Hamper - foodItems: ArrayList <FoodItem> - wastedCalories: int nutritionalRequirement: Nutrition - inventory: Inventory Nutrition -wholeGrain:int -fruitsVeggies:int -protein:int -other:int -calories:int + Hamper(nutrionalRequirement: Nutrition, inventory: Inventory) 1 + addFood(item:FoodItem) + getFood(): ArrayList <FoodItem> + calculateNutrition(): Nutrition + Nutrition(wholeGrain:int, fruitsVeggies:int, protein:int, other:int, calories:int) + toWeeklyNeeds():Nutrition + displayHamper(): String + getWholeGrain():int + calcualteWaste(): int + getFruitsVeggies():int + getProtien():int + getOther():int + getCalories():int 0..* 0..* FoodItem -name: String -ITEM_ID: int -NUTRITION:Nutrition

+ FoodItem()

+ getName(): String + getNutrition(): Nutrition + gettItemID(): int

+ FoodItem(wholeGrain:int, fruitsVeggies:int, protein:int, other:int, calories:int, name: String, itemID: int)