## OrderForm **UML FoodBank IOException** --<<throws>>-Nooreldeen Abdallah Justin Kuhn + printOrderForm(order: Request) Fanny Lo Jan Petallo <<use>> Order - family: Family[] Family + Order(family: Family) + addFamily(Family: fam) 1 CanNotMakeHamperException - familyMembers: ArrayList<Person> + removeFromInventory(hamper:Hamper):String <<throws>> - mobilityAssistance: boolean=false + displayRequest(): String Person - hamper = Hamper[] - NUTRITIONAL\_NEEDS:Nutrition - CLIENT ID: int + Family(size:int) + addFamilyMember(Nutriton: nutrionalNeeds, clientID) + removeFamilyMember(person:Person) + Person( nutritionalNeeds: Nutrition, clientID: int) 1 + weeklyFamilyNeeds(): Nutrition + getNutritionalNeeds(): Nutrition + getGrainNeeds(): int + getClientID: int + getVeggieNeeds(): int Inventory + getProteinNeeds(): int + getOtherNeeds(): int inventory: ArrayList <FoodItem> + getCaloriesNeeds(): int + createHamper(weeklyFamilyNeeds: Nutrition) + sortHamperByWaste() + Inventory() + getHampers(): Hamper[] + addToInventory(item:FoodItem) + removeFromInventory(item:FoodItem[]) + isAvailable(hamper:Hamper):boolean 1..\* Hamper foodItems: ArrayList <FoodItem> Nutrition - wastedCalories: int nutritionalRequirement: Nutrition -wholeGrain:int -fruitsVeggies:int -protein:int -other:int -calories:int 1 + Hamper(nutrionalRequirement: Nutrition) + Nutrition(wholeGrainPercent:int, fruitsVeggiesPercent:int, proteinPercent:int, otherPercent:int, calories:int ) + addFood(item:FoodItem) + toWeeklyNeeds():Nutrition + getFood(): ArrayList <FoodItem> + getFamily(): ArrayList <Person> + getWholeGrain():int + getFruitsVeggies():int + calculateNutrition(): Nutrition + getProtien():int + displayHamper(): String + getOther():int + calcualteWaste(): int + getCalories():int 0..\* FoodItem -name: String -ITEM\_ID: int -NUTRITION:Nutrition + FoodItem(wholeGrainPercent:int, fruitsVeggiesPercent:int, proteinPercent:int, otherPercent:int, calories:int, name: String, ITEM\_ID: int) + getName(): String + getNutrition(): Nutrition + getItemID() : int