QUBKitchen - ChatGPT

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# Part01

Version: 3.5

I used ChatGPT to create code in java to initialize the recipes for my system.

## my Prompt:

I provided it with:  
> my code for the Recipe and Measurement objects  
> my code for the Unit enumeration  
> the exiting ingredients initialized in the system

And asked it to:

“  
Use these classes to create an instantiation of this recipe:

Potato Leek Soup

Ingredients:

Potatoes (500g)

Leeks (200g, sliced)

Onion (1, chopped)

Garlic (2 cloves, minced)

Butter (50g)

Stock Cubes (2, vegetable or chicken)

Water (1 liter)

Salt and Pepper to taste

Method:

In a large pot, melt butter and sauté onions and garlic until translucent.

Add leeks and potatoes, cook for 5 minutes.

Dissolve stock cubes in water and add to the pot. Season with salt and pepper.

Simmer until potatoes are tender. Use a blender to puree the soup until smooth.

Extra Information:

1 slice = 38g

1 clove = 6g

“

I provided it with 15 different recipes (also generated by chatGPT) and used the output (with modifications) in my initialiseQUBKitchen method.

ChatGPT Response:  
import java.util.ArrayList;

public class Main {

public static void main(String[] args) {

// Create instances of existing ingredients

Ingredient potatoes = new Ingredient("Potatoes", FoodType.FRUITVEG, 75);

Ingredient leeks = new Ingredient("Leeks", FoodType.SUGAR, 61);

Ingredient onion = new Ingredient("Onion", FoodType.FAT, 40);

Ingredient garlic = new Ingredient("Garlic", FoodType.CEREAL, 111);

Ingredient butter = new Ingredient("Butter", FoodType.DAIRY, 717);

Ingredient stockCubes = new Ingredient("Stock Cubes", FoodType.NUTRIENT, 438);

Ingredient water = new Ingredient("Water", FoodType.FRUITVEG, 0);

Ingredient salt = new Ingredient("Salt", FoodType.FRUITVEG, 0);

Ingredient pepper = new Ingredient("Pepper", FoodType.COMP, 20);

// Create an array of measurements for the new recipe

Measurement[] measurementsArray = {

new Measurement(potatoes, 500, Unit.GRAMS),

new Measurement(leeks, 200, Unit.GRAMS),

new Measurement(onion, 1, Unit.GRAMS), // Assuming 1 onion is approximately 200g

new Measurement(garlic, 2, Unit.CLOVES),

new Measurement(butter, 50, Unit.GRAMS),

new Measurement(stockCubes, 2, Unit.PIECES),

new Measurement(water, 1000, Unit.MILLILITRES),

new Measurement(salt, 0, Unit.GRAMS), // Adjust as needed

new Measurement(pepper, 0, Unit.GRAMS) // Adjust as needed

};

// Create an array of method steps for the new recipe

String[] methodArray = {

"In a large pot, melt butter. Add onions and garlic, sauté until translucent.",

"Add leeks and potatoes, cook for 5 minutes.",

"Dissolve stock cubes in water and add to the pot. Season with salt and pepper.",

"Simmer until potatoes are tender. Use a blender to puree the soup until smooth."

};

try {

// Create an instance of the Recipe class for the new Potato Leek Soup

Recipe potatoLeekSoupNew = new Recipe("Potato Leek Soup", MealType.MAIN, 4,

measurementsArray, methodArray);

// Print information about the new Potato Leek Soup recipe

System.out.println("Recipe ID: " + potatoLeekSoupNew.getID());

System.out.println("Recipe Name: " + potatoLeekSoupNew.getName());

System.out.println("Meal Type: " + potatoLeekSoupNew.getMealTypeStr());

System.out.println("Portions: " + potatoLeekSoupNew.getPortions());

System.out.println("Total Calories per Portion: " + potatoLeekSoupNew.totalCalories());

System.out.println("Ingredients:");

for (Measurement measurement : potatoLeekSoupNew.getMeasurements()) {

System.out.println("- " + measurement.getAmount() + " " + measurement.getUnitStr() + " " +

measurement.getIngredient().getName());

}

System.out.println("Method:");

for (String step : potatoLeekSoupNew.getMethod()) {

System.out.println(step);

}

} catch (Exception e) {

System.out.println("Error creating new Potato Leek Soup recipe: " + e.getMessage());

}

}

}

## My Final Code

Measurement[] measurementsArray6 = { new Measurement(potatoes, 500, *Unit*.***GRAMS***),

new Measurement(leeks, 200, *Unit*.***GRAMS***), new Measurement(onion, 200, *Unit*.***GRAMS***),

new Measurement(garlic, 12, *Unit*.***GRAMS***), new Measurement(butter, 50, *Unit*.***GRAMS***),

new Measurement(stockCubes, 12, *Unit*.***GRAMS***), new Measurement(water, 1000, *Unit*.***MILLILITRES***),

new Measurement(salt, 3, *Unit*.***GRAMS***), new Measurement(pepper, 3, *Unit*.***GRAMS***) };

String[] methodArray6 = { "In a large pot, melt butter and sauté onions and garlic until translucent.",

"Add leeks and potatoes, cook for 5 minutes.",

"Dissolve stock cubes in water and add to the pot. Season with salt and pepper.",

"Simmer until potatoes are tender. Use a blender to puree the soup until smooth." };

Recipe potatoLeekSoup = new Recipe("Potato Leek Soup", *MealType*.***MAIN***, 4, measurementsArray6, methodArray6,"PotatoLeekSoup.jpg");

Application.*InsertIntoRecipes*(potatoLeekSoup);

Application.*weeklyMenu*.addRecipe(potatoLeekSoup, 1, 2);

# Part 2

No ChatGPT was used

# Part 3

No extra ChatGPT was used. Code generated in part 1 was reused and modified for part 3