**Task-2.5**

**1. Models and Tables (from Exercise 2.3)**

**Recipe Model (Original Version)**

class Recipe(models.Model):

name = models.CharField(max\_length=100)

description = models.TextField()

ingredients = models.TextField()

cooking\_time = models.PositiveIntegerField()

**2. Changes Made to the Models**

After reviewing the model from Exercise 2.3, I realized that additional fields and updates were necessary to improve the functionality and user experience. Below are the changes I made:

**Changes**

1. **Renamed description to instructions:**
   * **Reason:** The field originally named description was more appropriately suited to be called instructions since it provides step-by-step guidance on how to prepare the recipe.
2. **Added serving\_size field:**
   * **Reason:** Including a serving size field gives users clarity about the portion size the recipe yields, which is helpful for meal planning.
3. **Added image field:**
   * **Reason:** To allow the application to display a visual preview of each recipe, improving user engagement.
4. **Added category field:**
   * **Reason:** Categorizing recipes into types (e.g., main course, dessert) makes it easier for users to navigate and filter recipes.

**Updated Recipe Model**

python

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class Recipe(models.Model):

name = models.CharField(max\_length=100)

instructions = models.TextField()

ingredients = models.TextField()

cooking\_time = models.PositiveIntegerField()

serving\_size = models.PositiveIntegerField()

image = models.ImageField(upload\_to='recipes/')

category = models.CharField(

max\_length=50,

choices=[

('main', 'Main Course'),

('dessert', 'Dessert'),

('appetizer', 'Appetizer'),

],

)

**3. Reasons for Changes**

**Renamed Field**

* Renaming description to instructions better aligns with its purpose, as this field provides detailed steps for cooking rather than describing the recipe conceptually.

**Added Fields**

1. **serving\_size:**
   * Helps users understand how many servings the recipe yields.
2. **image:**
   * Allows for visual previews, which are essential for an appealing recipe application.
3. **category:**
   * Enables classification of recipes, improving usability and navigation.