

Task 2.5:

Models:

The models that I defined in my project are as follows

1. Recipe
2. Ingredient
3. RecipeIngredient

Model Changes:

Previous Model:

```
4 class Recipe(models.Model):
5     cuisine_choices = [
6         ('American', 'American'),
7         ('Chinese', 'Chinese'),
8         ('French', 'French'),
9         ('Italian', 'Italian'),
10        ('Japanese', 'Japanese'),
11        ('Korean', 'Korean'),
12        ('Mexican', 'Mexican'),
13        ('Thai', 'Thai'),
14        ('Vietnamese', 'Vietnamese'),
15        ('Other', 'Other')
16    ]
17
18    name = models.CharField(max_length=255)
19    description = models.TextField()
20    time = models.IntegerField()
21    cuisine = models.CharField(max_length=255, choices=cuisine_choices)
22    image = models.URLField(default="https://i.imgur.com/removed.png")
23    ingredients = models.ManyToManyField('Ingredient', through='RecipeIngredient')
24
25    def isValid(self):
26        return self.name != "" and self.description != "" and self.time > 0 and self.cuisine != ""
27
28    def __str__(self):
29        return f"Recipe: {self.name}"
```

In my previously made model, as can be seen above, I was using a URL Field for the recipe images. After the reading in Task 2.5, I got to know about the Image Field in Django and how it works. So I am now changing it from URLField to ImageField so that users of the app can now directly upload an image instead of providing a link for it.

Current Model:

```
4 class Recipe(models.Model):
5     cuisine_choices = [
6         ('American', 'American'),
7         ('Chinese', 'Chinese'),
8         ('French', 'French'),
9         ('Italian', 'Italian'),
10        ('Japanese', 'Japanese'),
11        ('Korean', 'Korean'),
12        ('Mexican', 'Mexican'),
13        ('Thai', 'Thai'),
14        ('Vietnamese', 'Vietnamese'),
15        ('Other', 'Other')
16    ]
17
18    name = models.CharField(max_length=255)
19    description = models.TextField()
20    time = models.IntegerField()
21    cuisine = models.CharField(max_length=255, choices=cuisine_choices)
22    image = models.ImageField(upload_to="images/", default="removed.png")
23    ingredients = models.ManyToManyField('Ingredient', through='RecipeIngredient')
24
25    def isValid(self):
26        return self.name != "" and self.description != "" and self.time > 0 and self.cuisine != ""
27
28    def __str__(self):
29        return f"Recipe: {self.name}"
```