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Take Home Assignment Challenges Solutions

Challenge

We would like you to complete the following steps:

1. Complete the first 3 parts of the Django tutorial:

a. Part 1: Requests and responses

b. Part 2: Models and the admin site

c. Part 3: Views and templates

Solution: All the above challenges' solutions are built in the app

2. The final requirement of the challenge is to extend what you built in the first three parts by adding the following:

a. Question text must be unique i.e., no two questions can have the same text.

Solution: The "**Question**" model in the "models.py" file of the app had to be modified to achieve this. In the "**Question**" model, I have set the **unique** attribute of **question_text** to **True** which imposes the uniqueness constraint on the question text. Later, I have created the migrations and applied them to database schema. Now, I registered the models in the **admin.py** file so that I can manage the questions and choices (used for next task) using Django admin site.
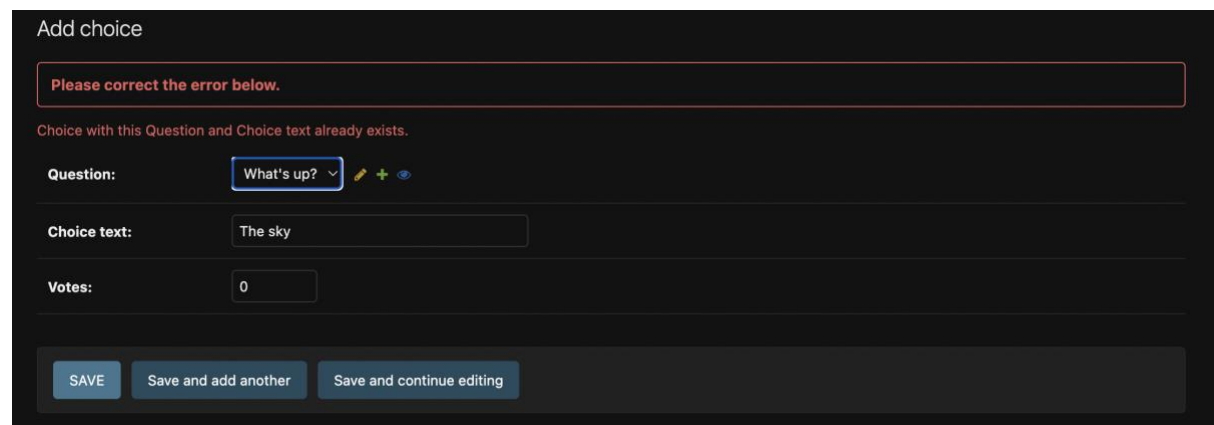
Finally, when I try to create two questions with the same text – "What's up?" (via Django admin or programmatically) it's not possible. If you do so, Django will raise the following validation error:

b. Choice text within a question must be unique i.e., for a given question no two choices can have the same text.

Solution: I added **unique_together = ('question', 'choice_text')** in the in the Choice model's Meta class, this is to ensure the uniqueness of the choices within a given question. Later, I have created the migrations and applied them to database schema.

Finally, when I try to create two choices (The sky) with the same text for a question - "What's up?" (via Django admin or programmatically) it's not possible. If you do so, Django will raise the following validation error: