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**Assignment2: Polls Application**

**COMMAND PROMPT 1**

Microsoft Windows [Version 6.1.7601]

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C:\Users\Admin>workon myproject

(myproject) C:\Users\Admin>cd mysite

(myproject) C:\Users\Admin\mysite>python manage.py runserver

Performing system checks...

System check identified no issues (0 silenced).

December 07, 2018 - 21:22:25

Django version 2.1.3, using settings 'mysite.settings'

Starting development server at http://127.0.0.1:8000/

Quit the server with CTRL-BREAK.

(myproject) C:\Users\Admin\mysite>python manage.py startapp polls

CommandError: 'polls' conflicts with the name of an existing Python module and c

annot be used as an app name. Please try another name.

(myproject) C:\Users\Admin\mysite>python manage.py runserver

Performing system checks...

System check identified no issues (0 silenced).

December 07, 2018 - 21:24:52

Django version 2.1.3, using settings 'mysite.settings'

Starting development server at http://127.0.0.1:8000/

Quit the server with CTRL-BREAK.

[07/Dec/2018 21:25:10] "GET /polls/ HTTP/1.1" 200 40

Not Found: /favicon.ico

[07/Dec/2018 21:25:10] "GET /favicon.ico HTTP/1.1" 404 2078

[07/Dec/2018 21:25:22] "GET /polls/ HTTP/1.1" 200 40

[07/Dec/2018 21:25:25] "GET /polls/ HTTP/1.1" 200 40

[07/Dec/2018 21:25:28] "GET /polls/ HTTP/1.1" 200 40

[07/Dec/2018 21:25:29] "GET /polls/ HTTP/1.1" 200 40

(myproject) C:\Users\Admin\mysite>python manage.py migrate

Operations to perform:

Apply all migrations: admin, auth, contenttypes, sessions

Running migrations:

No migrations to apply.

(myproject) C:\Users\Admin\mysite>python manage.py makemigrations polls

No changes detected in app 'polls'

(myproject) C:\Users\Admin\mysite>python manage.py sqlmigrate polls 0001

BEGIN;

--

-- Create model Choice

--

CREATE TABLE "polls\_choice" ("id" integer NOT NULL PRIMARY KEY AUTOINCREMENT, "c

hoice\_text" varchar(200) NOT NULL, "votes" integer NOT NULL);

--

-- Create model Question

--

CREATE TABLE "polls\_question" ("id" integer NOT NULL PRIMARY KEY AUTOINCREMENT,

"question\_text" varchar(200) NOT NULL, "pub\_date" datetime NOT NULL);

--

-- Add field question to choice

--

ALTER TABLE "polls\_choice" RENAME TO "polls\_choice\_\_old";

CREATE TABLE "polls\_choice" ("id" integer NOT NULL PRIMARY KEY AUTOINCREMENT, "c

hoice\_text" varchar(200) NOT NULL, "votes" integer NOT NULL, "question\_id" integ

er NOT NULL REFERENCES "polls\_question" ("id") DEFERRABLE INITIALLY DEFERRED);

INSERT INTO "polls\_choice" ("id", "choice\_text", "votes", "question\_id") SELECT

"id", "choice\_text", "votes", NULL FROM "polls\_choice\_\_old";

DROP TABLE "polls\_choice\_\_old";

CREATE INDEX "polls\_choice\_question\_id\_c5b4b260" ON "polls\_choice" ("question\_id

");

COMMIT;

(myproject) C:\Users\Admin\mysite>python manage.py migrate

Operations to perform:

Apply all migrations: admin, auth, contenttypes, polls, sessions

Running migrations:

Applying polls.0001\_initial... OK

(myproject) C:\Users\Admin\mysite>python manage.py makemigrations

No changes detected

(myproject) C:\Users\Admin\mysite>python manage.py migrate

Operations to perform:

Apply all migrations: admin, auth, contenttypes, polls, sessions

Running migrations:

No migrations to apply.

(myproject) C:\Users\Admin\mysite>python manage.py shell

Python 3.6.2 (v3.6.2:5fd33b5, Jul 8 2017, 04:57:36) [MSC v.1900 64 bit (AMD64)]

on win32

Type "help", "copyright", "credits" or "license" for more information.

(InteractiveConsole)

>>> from polls.models import Choice, Question

>>> Question.objects.all()

<QuerySet []>

>>> from django.utils import timezone

>>> q = Question(question\_text="What's new?", pub\_date=timezone.now())

>>> q.save()

>>> q.id

1

>>> q.question\_text

"What's new?"

>>> q.pub\_date

datetime.datetime(2018, 12, 7, 16, 4, 15, 429161, tzinfo=<UTC>)

>>> q.question\_text = "What's up?"

>>> q.save()

>>> Question.objects.all()

<QuerySet [<Question: Question object (1)>]>

>>> Question.objects.all()

<QuerySet [<Question: Question object (1)>]>

>>> from polls.models import Choice, Question

>>> Question.objects.all()

<QuerySet [<Question: Question object (1)>]>

>>> from polls.models import Choice, Question

>>> Question.objects.all()

<QuerySet [<Question: Question object (1)>]>

>>> quit()

(myproject) C:\Users\Admin\mysite>python manage.py createsuperuser

Username (leave blank to use 'admin'): admin

Email address: admin@example.com

Password:

Password (again):

Superuser created successfully.

(myproject) C:\Users\Admin\mysite>python manage.py runserver

Performing system checks...

System check identified no issues (0 silenced).

December 07, 2018 - 22:22:15

Django version 2.1.3, using settings 'mysite.settings'

Starting development server at http://127.0.0.1:8000/

Quit the server with CTRL-BREAK.

[07/Dec/2018 22:22:41] "GET /admin/ HTTP/1.1" 302 0

[07/Dec/2018 22:22:42] "GET /admin/login/?next=/admin/ HTTP/1.1" 200 1823

[07/Dec/2018 22:22:43] "GET /static/admin/css/base.css HTTP/1.1" 200 16225

[07/Dec/2018 22:22:43] "GET /static/admin/css/login.css HTTP/1.1" 200 1203

[07/Dec/2018 22:22:43] "GET /static/admin/css/responsive.css HTTP/1.1" 200 17976

[07/Dec/2018 22:23:01] "POST /admin/login/?next=/admin/ HTTP/1.1" 302 0

[07/Dec/2018 22:23:01] "GET /admin/ HTTP/1.1" 200 3046

[07/Dec/2018 22:23:01] "GET /static/admin/css/dashboard.css HTTP/1.1" 200 412

[07/Dec/2018 22:23:42] "GET /admin/logout/ HTTP/1.1" 200 1211

COMMAND PROMPT 2

Polls/models.py

# Create your models here.

import datetime

from django.db import models

from django.utils import timezone

class Question(models.Model):

question\_text = models.CharField(max\_length=200)

pub\_date = models.DateTimeField('date published')

def \_\_str\_\_(self):

return '%s %s' % (self.question\_text, self.pub\_date)

def was\_published\_recently(self):

return self.pub\_date >= timezone.now() - datetime.timedelta(days=1)

class Choice(models.Model):

question = models.ForeignKey(Question, on\_delete=models.CASCADE)

choice\_text = models.CharField(max\_length=200)

votes = models.IntegerField(default=0)

def \_\_str\_\_(self):

return '%s %s %s' % (self.question, self.choice\_text,self.votes)

(myproject) C:\Users\Admin\mysite>python manage.py shell

Python 3.6.2 (v3.6.2:5fd33b5, Jul 8 2017, 04:57:36) [MSC v.1900 64 bit (AMD64)]

on win32

Type "help", "copyright", "credits" or "license" for more information.

(InteractiveConsole)

>>> from polls.models import Choice, Question

>>> Question.objects.all()

<QuerySet [<Question: What's up? 2018-12-07 16:04:15.429161+00:00>]>

>>> Question.objects.filter(id=1)

<QuerySet [<Question: What's up? 2018-12-07 16:04:15.429161+00:00>]>

>>> Question.objects.filter(question\_text\_\_startswith='What')

<QuerySet [<Question: What's up? 2018-12-07 16:04:15.429161+00:00>]>

>>> from django.utils import timezone

>>> current\_year = timezone.now().year

>>> Question.objects.get(pub\_date\_\_year=current\_year)

<Question: What's up? 2018-12-07 16:04:15.429161+00:00>

>>> Question.objects.get(id=2)

Traceback (most recent call last):

File "<console>", line 1, in <module>

File "C:\Users\Admin\Envs\myproject\lib\site-packages\django\db\models\manager

.py", line 82, in manager\_method

return getattr(self.get\_queryset(), name)(\*args, \*\*kwargs)

File "C:\Users\Admin\Envs\myproject\lib\site-packages\django\db\models\query.p

y", line 399, in get

self.model.\_meta.object\_name

polls.models.Question.DoesNotExist: Question matching query does not exist.

>>> Question.objects.get(pk=1)

<Question: What's up? 2018-12-07 16:04:15.429161+00:00>

>>> q = Question.objects.get(pk=1)

>>> q.was\_published\_recently()

True

>>> q = Question.objects.get(pk=1)

>>> q.choice\_set.all()

<QuerySet []>

>>> q.choice\_set.create(choice\_text='Not much', votes=0)

<Choice: What's up? 2018-12-07 16:04:15.429161+00:00 Not much 0>

>>> q.choice\_set.create(choice\_text='The sky', votes=0)

<Choice: What's up? 2018-12-07 16:04:15.429161+00:00 The sky 0>

>>> c = q.choice\_set.create(choice\_text='Just hacking again', votes=0)

>>> c.question

<Question: What's up? 2018-12-07 16:04:15.429161+00:00>

>>> q.choice\_set.all()

<QuerySet [<Choice: What's up? 2018-12-07 16:04:15.429161+00:00 Not much 0>, <Ch

oice: What's up? 2018-12-07 16:04:15.429161+00:00 The sky 0>, <Choice: What's up

? 2018-12-07 16:04:15.429161+00:00 Just hacking again 0>]>

>>> q.choice\_set.count()

3

>>> Choice.objects.filter(question\_\_pub\_date\_\_year=current\_year)

<QuerySet [<Choice: What's up? 2018-12-07 16:04:15.429161+00:00 Not much 0>, <Ch

oice: What's up? 2018-12-07 16:04:15.429161+00:00 The sky 0>, <Choice: What's up

? 2018-12-07 16:04:15.429161+00:00 Just hacking again 0>]>

>>> c = q.choice\_set.filter(choice\_text\_\_startswith='Just hacking')

>>> c.delete()

(1, {'polls.Choice': 1})

Microsoft Windows [Version 6.1.7601]

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C:\Users\Admin>workon myproject

(myproject) C:\Users\Admin>cd mysite

(myproject) C:\Users\Admin\mysite>python manage.py runserver

Performing system checks...

System check identified no issues (0 silenced).

December 07, 2018 - 22:37:22

Django version 2.1.3, using settings 'mysite.settings'

Starting development server at http://127.0.0.1:8000/

Quit the server with CTRL-BREAK.

[07/Dec/2018 22:37:36] "GET /admin/ HTTP/1.1" 302 0

[07/Dec/2018 22:37:37] "GET /admin/login/?next=/admin/ HTTP/1.1" 200 1823

Not Found: /favicon.ico

[07/Dec/2018 22:37:37] "GET /favicon.ico HTTP/1.1" 404 2078