

Created A Django Project Which Have Use MongoDB Database.

- How to Install djongo Module
`pip install djongo`
- `django-admin startproject`
`Mongo_Project`
- `python manage.py startapp testapp`
`testapp` add in `INSTALLED_APP`.

urls.py

```
from django.contrib import admin
from django.urls import path
from testapp.views import show_view
urlpatterns = [
    path('admin/', admin.site.urls),
    path('index/', show_view)
]
```

settings.py

```
"""
Django settings for Monog_porject1 project.

Generated by 'django-admin startproject' using Django 4.1.8.

For more information on this file, see
https://docs.djangoproject.com/en/4.1/topics/settings/

For the full list of settings and their values, see
https://docs.djangoproject.com/en/4.1/ref/settings/
"""

from pathlib import Path

# Build paths inside the project like this: BASE_DIR / 'subdir'.
BASE_DIR = Path(__file__).resolve().parent.parent
TEMPLATES_DIR = BASE_DIR / 'templates'
STATIC_DIR = BASE_DIR / 'static'

# Quick-start development settings - unsuitable for production
# See https://docs.djangoproject.com/en/4.1/howto/deployment/checklist/

# SECURITY WARNING: keep the secret key used in production secret!
SECRET_KEY = 'django-insecure-*_r(s&7$7-
p=h6j2kpy(tp236t)#%fh4im7o9gj*rp1!tu0wwh'

# SECURITY WARNING: don't run with debug turned on in production!
DEBUG = True

ALLOWED_HOSTS = []

# Application definition
```

```

INSTALLED_APPS = [
    'django.contrib.admin',
    'django.contrib.auth',
    'django.contrib.contenttypes',
    'django.contrib.sessions',
    'django.contrib.messages',
    'django.contrib.staticfiles',
    'testapp'
]

MIDDLEWARE = [
    'django.middleware.security.SecurityMiddleware',
    'django.contrib.sessions.middleware.SessionMiddleware',
    'django.middleware.common.CommonMiddleware',
    'django.middleware.csrf.CsrfViewMiddleware',
    'django.contrib.auth.middleware.AuthenticationMiddleware',
    'django.contrib.messages.middleware.MessageMiddleware',
    'django.middleware.clickjacking.XFrameOptionsMiddleware',
]

ROOT_URLCONF = 'Monog_porject1.urls'

TEMPLATES = [
    {
        'BACKEND': 'django.template.backends.django.DjangoTemplates',
        'DIRS': [TEMPLATES_DIR],
        'APP_DIRS': True,
        'OPTIONS': {
            'context_processors': [
                'django.template.context_processors.debug',
                'django.template.context_processors.request',
                'django.contrib.auth.context_processors.auth',
                'django.contrib.messages.context_processors.messages',
            ],
        },
    },
]

WSGI_APPLICATION = 'Monog_porject1.wsgi.application'

# Database
# https://docs.djangoproject.com/en/4.1/ref/settings/#databases

DATABASES = {
    'default': {
        'ENGINE': 'djongo',
        'NAME': 'Mongo_porject1',
        'CLIENT': {

```

```

        'host' : 'mongodb://localhost:27017/'
    }
}

# Password validation
# https://docs.djangoproject.com/en/4.1/ref/settings/#auth-password-validators

AUTH_PASSWORD_VALIDATORS = [
    {
        'NAME':
'django.contrib.auth.password_validation.UserAttributeSimilarityValidator',
    },
    {
        'NAME':
'django.contrib.auth.password_validation.MinimumLengthValidator',
    },
    {
        'NAME':
'django.contrib.auth.password_validation.CommonPasswordValidator',
    },
    {
        'NAME':
'django.contrib.auth.password_validation.NumericPasswordValidator',
    },
]

# Internationalization
# https://docs.djangoproject.com/en/4.1/topics/i18n/

LANGUAGE_CODE = 'en-us'

TIME_ZONE = 'UTC'

USE_I18N = True

USE_TZ = True

# Static files (CSS, JavaScript, Images)
# https://docs.djangoproject.com/en/4.1/howto/static-files/

STATIC_URL = 'static/'

STATICFILES_DIRS = [
    STATIC_DIR,
]

```

```
# Default primary key field type
# https://docs.djangoproject.com/en/4.1/ref/settings/#default-auto-field

DEFAULT_AUTO_FIELD = 'django.db.models.BigAutoField'
```

models.py

```
from django.db import models

# Create your models here.
class Employee(models.Model):
    eno = models.IntegerField()
    ename = models.CharField(max_length=30)
    esal = models.FloatField()
    eaddr = models.CharField(max_length=30)

    class Meta:
        db_table = 'Employee'
```

admin.py

```
from django.contrib import admin
from testapp.models import Employee
# Register your models here.
admin.site.register(Employee)
```

views.py

```
from django.shortcuts import render
from testapp.models import Employee
# Create your views here.
def show_view(request):
    employees= Employee.objects.all()
    return render(request, 'testapp/index.html', {'employees':employees})
```

index.html

```
<!DOCTYPE html>
<html>
<head>
    <title>Index</title>
</head>
<body>
```

```
<table border="2">
  <thead>
    <th>Employee Number</th>
    <th>Employee Name</th>
    <th>Employee Salary</th>
    <th>Employee Address</th>
  </thead>
  {% for emp in employees %}
  <tr>
    <td>{{emp.eno}}</td>
    <td>{{emp.ename}}</td>
    <td>{{emp.esal}}</td>
    <td>{{emp.eaddr}}</td>
  </tr>
  {% endfor %}
</table>
</body>
</html>
```

requirements.txt

```
asgiref==3.6.0
Django==4.1.8
django-admin-soft-dashboard==1.0.12
djongo==1.3.6
dnspython==2.3.0
mongoengine==0.27.0
pymongo==3.12.3
pytz==2023.3
sqlparse==0.2.4
typing_extensions==4.6.3
tzdata==2023.3
```