# Django Todo List App - Full Code

## models.py

from django.db import models  
  
class Task(models.Model):  
 title = models.CharField(max\_length=200)  
 description = models.TextField(blank=True, null=True)  
 completed = models.BooleanField(default=False)  
 created\_at = models.DateTimeField(auto\_now\_add=True)  
 updated\_at = models.DateTimeField(auto\_now=True)  
  
 def \_\_str\_\_(self):  
 return self.title

## forms.py

from django import forms  
from .models import Task  
  
class TaskForm(forms.ModelForm):  
 class Meta:  
 model = Task  
 fields = ['title', 'description', 'completed']

## views.py

from django.shortcuts import render, redirect, get\_object\_or\_404  
from .models import Task  
from .forms import TaskForm  
  
def task\_list(request):  
 tasks = Task.objects.all()  
 return render(request, 'todo\_app/task\_list.html', {'tasks': tasks})  
  
def task\_create(request):  
 form = TaskForm(request.POST or None)  
 if form.is\_valid():  
 form.save()  
 return redirect('task\_list')  
 return render(request, 'todo\_app/task\_form.html', {'form': form})  
  
def task\_update(request, pk):  
 task = get\_object\_or\_404(Task, pk=pk)  
 form = TaskForm(request.POST or None, instance=task)  
 if form.is\_valid():  
 form.save()  
 return redirect('task\_list')  
 return render(request, 'todo\_app/task\_form.html', {'form': form})  
  
def task\_delete(request, pk):  
 task = get\_object\_or\_404(Task, pk=pk)  
 if request.method == 'POST':  
 task.delete()  
 return redirect('task\_list')  
 return render(request, 'todo\_app/task\_confirm\_delete.html', {'task': task})

## urls.py (app)

from django.urls import path  
from . import views  
  
urlpatterns = [  
 path('', views.task\_list, name='task\_list'),  
 path('create/', views.task\_create, name='task\_create'),  
 path('update/<int:pk>/', views.task\_update, name='task\_update'),  
 path('delete/<int:pk>/', views.task\_delete, name='task\_delete'),  
 ]

## urls.py (project)

from django.contrib import admin  
from django.urls import path, include  
  
urlpatterns = [  
 path('admin/', admin.site.urls),  
 path('', include('todo\_app.urls')),  
 ]