**Model Form**

**ModelForm Class**

This class allows development a form using model.

A form which is bind with model (model represents database table).

django.forms package provides a class predefined class ModelForm.

Every user defined model form must inherit ModelForm class.

**Syntax:**

class model-form-class-name(ModelForm):

model=model-class-name

fields=”\_\_all\_\_” or [“field-name”,”field-name”,”field-name”,..]

**models.py**

from django.db import models

# Create your models here.

class Product(models.Model):

    prodid=models.IntegerField()

    prodname=models.CharField(max\_length=20)

    qty=models.IntegerField()

    price=models.FloatField()

**urls.py**

from django.contrib import admin

from django.urls import path

from app1 import views

urlpatterns = [

    path('admin/', admin.site.urls),

    path('home/',views.product\_view),

]

**Forms.py**

from pyexpat import model

from django.forms import ModelForm

from app1 import models

class ProductForm(ModelForm):

    class Meta:

        model=models.Product

        fields="\_\_all\_\_"

**views.py**

from django.shortcuts import render

from app1.forms import ProductForm

# Create your views here.

def product\_view(request):

    form=ProductForm()

    d={"form":form}

    return render(request,"home.html",context=d)

**home.html**

<html>

<form method="post">

    {% csrf\_token %}

    <h1> Product Adding </h1>

    {{form}}

    <input type="submit" value="add">

</form>

</html>

**Settings.py**

INSTALLED\_APPS = [

    'django.contrib.admin',

    'django.contrib.auth',

    'django.contrib.contenttypes',

    'django.contrib.sessions',

    'django.contrib.messages',

    'django.contrib.staticfiles',

    'app1'

]

import os.path

TEMPLATE\_PATH=os.path.join(BASE\_DIR,"templates")

TEMPLATES = [

    {

        'BACKEND': 'django.template.backends.django.DjangoTemplates',

        'DIRS': [TEMPLATE\_PATH],

        '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',

            ],

        },

    },

]