S1: create project, app, templates, html and forms

```
C:\demo\django\feb_2023\L8>django-admin startproject p2_sfsproject
C:\demo\django\feb_2023\L8>cd p2_sfsproject
C:\demo\django\feb_2023\L8\p2_sfsproject>python manage.py startapp sfsapp
C:\demo\django\feb_2023\L8\p2_sfsproject>cd sfsapp
C:\demo\django\feb_2023\L8\p2_sfsproject\sfsapp>mkdir templates
C:\demo\django\feb_2023\L8\p2_sfsproject\sfsapp>cd templates
C:\demo\django\feb_2023\L8\p2_sfsproject\sfsapp\templates>notepad home.html
C:\demo\django\feb_2023\L8\p2_sfsproject\sfsapp\templates>notepad create.html
C:\demo\django\feb_2023\L8\p2_sfsproject\sfsapp\templates>cd..
C:\demo\django\feb_2023\L8\p2_sfsproject\sfsapp>notepad forms.py
C:\demo\django\feb_2023\L8\p2_sfsproject\sfsapp>cd..
```

S2: settings.py

```
:
INSTALLED_APPS = [
    'django.contrib.admin',
    'django.contrib.auth',
    'django.contrib.contenttypes',
    'django.contrib.sessions',
    'django.contrib.messages',
    'django.contrib.staticfiles',
    'sfsapp'
]
:
MEDIA_ROOT = BASE_DIR / "media"
MEDIA_URL = "/media/"
```

S3: urls.py

```
from django.contrib import admin
from django.urls import path
from sfsapp.views import home, create, remove
from django.conf.urls.static import static
from django.conf import settings

urlpatterns = [
    path('admin/', admin.site.urls),
    path("", home, name="home"),
    path("create", create, name="create"),
    path("remove/<int:id>", remove, name="remove"),
] + static(settings.MEDIA_URL, document_root=settings.MEDIA_ROOT)
```

S4: models.py

```python
from django.db import models

class StudentModel(models.Model):
        rno = models.IntegerField(primary_key=True)
        name = models.CharField(max_length=30)
        ms = models.ImageField()

        def __str__(self):
                return str(self.rno) + " " + str(self.name)
```

S5: forms.py

```python
from django import forms
from .models import StudentModel

class StudentForm(forms.ModelForm):
        class Meta:
                model = StudentModel
                fields = "__all__"
```

S6: admin.py

```python
from django.contrib import admin
from .models import StudentModel

admin.site.register(StudentModel)
```

S7: views.py

```python
from django.shortcuts import render, redirect
from   .forms   import   StudentForm
from   .models   import   StudentModel

def remove(request, id):
        st = StudentModel.objects.get(rno=id)
        st.ms.delete()
        st.delete()
        return redirect("home")

def home(request):
        data = StudentModel.objects.all()
        return render(request, "home.html", {"data":data})

def create(request):
        if request.method == "POST":
                data = StudentForm(request.POST, request.FILES)
                if data.is_valid():
                        data.save()
                        msg = "record created"
                        fm = StudentForm()
                        return render(request, "create.html", {"fm":fm, "msg":msg})
                else:
                        msg = "check errors"
                        return render(request, "create.html", {"fm":data, "msg":msg})
        else:
                fm = StudentForm()
                return render(request, "create.html", {"fm":fm})
```

```html
<html>
      <head>
              <title> SMS App by Kamal Sir </title>
              <style>
                      * { font-size:40px; font-family:Calibri}
                      body { background-color:lightblue; }
              </style>
      </head>
      <body>
          <center>
                  <h1> Home Page </h1>
                  <a  href="{%   url   'create'    %}"> Create Student </a>
                  <table border="5" style="width:50%;" >
                          <tr>
                                  <th> Rno </th>
                                  <th> Name </th>
                                  <th> View </th>
                                  <th> Delete </th>
                          </tr>
                  {%   for d in data  %}
                          <tr>
                                  <td> {{ d.rno }} </td>
                                  <td> {{ d.name }} </td>
                                  <td> <a href={{ d.ms.url }}>  View </a> </td>
                                  <td> <a href="{%   url  'remove' id=d.rno  %}"
                          onclick="return confirm('r u sure???')" > Delete </a> </td>
                          </tr>

                  {%  endfor   %}
                  </table>
          </center>
      </body>
</html>
```

```html
<html>
      <head>
            <title> SMS App by Kamal Sir </title>
            <style>
                  * { font-size:40px; font-family:Calibri}
                  body { background-color:lightblue; }
            </style>
      </head>
      <body>
            <center>
                  <h1> Create Page </h1>
                  <a  href="{%   url  'home'   %}"> Home </a>
            <form method="POST" enctype="multipart/form-data">
                        {%  csrf_token  %}
                        <table>
                              {{ fm.as_table }}
                        </table>
                        <input type="submit"/>
            </form>
            {{ msg }}
            </center>
      </body>
</html>
```

S10: mm, mi, csu and rs

```
C:\demo\django\feb_2023\L8\p2_sfsproject>python manage.py makemigrations
C:\demo\django\feb_2023\L8\p2_sfsproject>python manage.py migrate
C:\demo\django\feb_2023\L8\p2_sfsproject>python manage.py createsuperuser
C:\demo\django\feb_2023\L8\p2_sfsproject>python manage.py runserver
```