

Arunima Singh Thakur, 180905218, Sec C,  
Roll no. 31, Branch CSE, ~~DS~~ ~~IT~~ IT Lab  
End Sem, ~~Ans~~ 3rd June 2021

Prob1 / models.py

```
from django.db import models
class Student (models.Model):
    Reg-no = models.PositiveIntegerField()
    Name = models.CharField(max_length=100)
    cgpa = models.DecimalField(max_digits=4, decimal=2)
```

Prob1 / forms.py

```
from django import forms
class StudentSearch (forms.Form):
    Reg-No = forms.PositiveIntegerField()
```

Prob1 / Views.py

```
from django.shortcuts import render
from .models import *
from .forms import *
def aboutPage (request):
    form = StudentSearch()
    form1 = StudentSearch(request.POST)
    if form1.is_valid():
```

~~RegNo = form.cleaned\_data["RegNo"]  
Student.objects.get(RegNo = RegNo)~~

prob / admin.py

~~from django.contrib import admin  
from models import \*  
admin.~~

## Template (.html files)

display.html

<!DOCTYPE html>

<html>

<head>

<title> All Students </title>

<meta charset = "utf-8">

<meta name = "viewport"

content = "width = device-width, initial-scale = 1">

<link href = "https://cdn.jsdelivr.net/npm/bootstrap@5.0.0-beta3/dist/css/bootstrap.min.css" rel = "stylesheet"

integrity = "sha384-eosmy4sd53iit+sc0/bJ4FsicZ6+5NDUN2y08+ORDq80Ql0h+8P48ckxlpbgK9w8ab"

crossorigin = "anonymous">

</head>

<body>

<nav class = "navbar navbar-expand-lg navbar-light bg-light">

<div class = "container - fluid">

<a class = "navbar-brand" href = "#">  
All Students </a>

<div class = "collapse navbar-collapse"  
id = "navbarSupportedContent">

<ul class = "navbar-nav me-2 mb-2 mb-lg-0">

<li class = "nav-item">

<a class = "nav-link active"  
aria-current = "page" href = "{% url 'display'  
'%}'" > About </a>

</li>

</ul>

<form class = "d-flex">

<input class = "form-control  
me-2" type = "search" placeholder = "Get  
Student Details" aria-label = "Search">

<button class = "btn btn-outline-  
success" type = "submit" > Student </button>

</form>

</div>

</div>

</nav>

<center>

<h1> Student Details </h1>

{% if students %}

<table class = "table table-secondary"  
id = "studentTable" width = "50%" >

<thead style = "font-weight: bold;  
font-family: cursive">



<tr>

<th> Registration Number </th>

<th> Name </th>

<th> GPA </th>

</tr>

</thead>

{% for student in students %}

<tr>

<td> {{ student.regNo }} </td>

<td> {{ student.Name }} </td>

<td> {{ student.GPA }} </td>

</tr>

{% endfor %}

</table>

{% endif %}

</center>

</body>

</html>

Admin.py

```
from django.contrib import admin
from models import student
```

```
admin.site.register(student)
```

Model.py

```
from django.db import models
```

```
# Create your models here.
```

```
class Student (models.Model):
```

```
    regNo = models.IntegerField(primary_key=True)
```

```
    name = models.CharField(max_length=100)
```

```
    CGPA = models.FloatField()
```

```
    def __str__(self):
```

```
        return self.regNo
```

Url.py

```
from django.urls import path
```

```
from . import views
```

```
urlpatterns = [path('about', views.about),  
               path('allstudent', views.allstudent)]
```

Url.py main program

```
from django.urls import include,  
    re_path
```

```
from django.conf.urls import url
```

```
from django.contrib import admin
```

```
admin.autodiscover()
```

```
urlpatterns = [re_path(r'', include('webapp.  
    urls')), url(r'^admin/', admin.site.urls)]
```

Views.py

```
from django.shortcuts import render  
from models import q1mod
```

```

def home(req):
    return render(req, "index.html")

def search_all(req):
    app = gmod.objects.all()
    for i in app:
        print(i.name)
    return render(req, "allstud.html",
                  {'obj': app})

```

```

def specific(req):
    if req.method == 'POST':
        req = req.POST['reg-no']

    x = (int)(req)
    print(x)
    app = gmod.objects.filter(regno=x)
    return render(req, "index.html",
                  {'obj': app})

```

settings.py

```

import os

BASE_DIR = os.path.dirname(os.path.dirname
                             (os.path.abspath(__file__)))

SECRET_KEY = ' u69l ^ -y! 24#mjo92) #v2-xufco!
              w-iog#9-k*r@992.)8j-1xc04yl'

DEBUG = True

ALLOWED_HOSTS = []

```



INSTALLED\_APPS = [

'django.contrib.admin',  
'django.contrib.auth',  
'django.contrib.contenttypes',  
'django.contrib.sessions',  
'django.contrib.messages',  
'django.contrib.staticfiles',  
'q'

]

~~MIDDLEWARE~~

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 = 'endsem.urls'

TEMPLATES = [

{  
    'BACKEND': 'django.template.backends.  
    django.DjangoTemplates',  
    'DIRS': [os.path.join(BASE\_DIR, 'templates')],  
    '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 = 'endsemi.wsgi.application'

DATABASES = {

'default': {

'ENGINE': 'django.db.backends.sqlite3',

'NAME': os.path.join(BASE\_DIR, 'db.sqlite3'),

}

}

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 . Numeric Password Validator!

{  
3

LANGUAGE\_CODE = "en-us"

TIME\_ZONE = 'UTC'

USE\_I18N = True

USE\_L10N = True

USE\_TZ = True

~~Static~~ STATIC\_URL = '/static/'

STATICFILES\_DIRS = [

os.path.join(BASE\_DIR, 'static')

3

STATIC\_ROOT = os.path.join(BASE\_DIR, 'assets')

Student Details

REGNUM	NAME	CGPA
180905218	Arunima Singh Thakur	8.47



## Details

[←](#) [→](#) [↺](#) 127.0.0.1:8000/requests

All students

[about](#)[Students](#)

## Student Details

REGNUM	NAME	CGPA
180905218	Arunima Singh Thakur	8.47
180905475	Jayesh Singh	4.47
180905978	Rahul Thakur	7.67

