

SANCKAAR / ATN/
180905134 CSE-C
23
IT LAB END SEM.

Created project EndSem.

Created an app in it named app.

EndSem/Endsem

Changes in settings.py

```
INSTALLED_APPS = [  
    'app',  
]
```

Changes in urls.py

2 statements already

from django.conf.urls ^{import} include, url.

```
url patterns = [  
    path('admin/', admin.site.urls),  
    url(r'^app/', include('app.urls')),  
]
```

Now in
EndSem/app/ folder.

models.py

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

```
class Student(models.Model):  
    name = models.CharField(max_length=50)  
    registrationNo = models.IntegerField()  
    cgpa = models.FloatField()
```

```
    def __str__(self):  
        return self.name
```

admin.py

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

```
class StudentDetailsAdmin(admin.ModelAdmin):  
    list_display = ('name', 'registrationNo', 'cgpa')
```

```
admin.site.register(models.Student, StudentDetailsAdmin)
```


urls.py

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

```
urlpatterns = [
    path('allStudents', views.studentlist, name='studentlist'),
```

```
# query string
```

```
path('about/url: id', views.about, name='about'),
```

```
]
```

views.py

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

```
def studentlist(request):
    students = Student.objects.all()
    return render(request, 'app/studentlist.html',
                  {'students': students})
```

```
# using query string
```

```
def about(request, id):
    student = Student.objects.get(registrationno=id)
    return render(request, 'app/about.html',
                  {'student': student})
```

Could have also done with if request.method == 'GET':

Now in Folder templates/app.

studentlist.html

```

<!DOCTYPE html>
<html lang="en">
<head>
  <title> All Students </title>
  <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.0.2/dist/css/bootstrap.min.css" rel="stylesheet">
</head>
<body style="text-align: center; margin: 20px;">
  <div class="navbar" style="background-color: white; color: black; padding: 5px 0;">
    <div class="links">
      <a href="/app/allstudents"> All Students </a>
      <a href="/app/about"> About </a>
    </div>
    <form action="/app/about" method="post" style="margin-top: 10px;">
      <input type="text" placeholder="Get student details" name="student_regNo">
      <button type="submit" class="btn btn-primary"> student </button>
    </form>
  </div>
  <table class="table table-light mt-5">
    <thead>

```



```

</tr>
<th scope="col">RegistrationNo </th>
<th scope="col">Name </th>
<th scope="col">CGPA </th>
</tr>
</thead>

```

```

<tbody>
<tr>
<td>{ { student.registrationNo } } </td>
<td>{ { student.name } } </td>
<td>{ { student.cgpa } } </td>
</tr>
<tr>
<td>{ { student.registrationNo } } </td>
<td>{ { student.name } } </td>
<td>{ { student.cgpa } } </td>
</tr>
</tbody>
</table>

```

```

</div style="display: flex; justify-content: space-between; align-items: center; padding: 10px 0;">
</div>
</body>
</html>

```

about.html

```

<!DOCTYPE html>
<html lang="en">
<head>
<title>About </title>
<link href="https://cdn.jsdelivr.net/npm/bootstrap@5.0.2/dist/css/bootstrap.min.css" rel="stylesheet" integrity="sha384-EVSTLN30v3CS/pqdeBEKFzABCDEVQBIVtzS0UaebMvDmkQPC1876647B6KU264G" crossorigin="anonymous">

```



```
</head>
```

```
<body style="text-align:center; margin: 20px;">
```

```
<div class="navbar" style="background-color: #f0f0f0;">
```

```
<div class="links">
```

```
<a href="/app/allStudents">All Students</a>
```

```
<a href="/app/about">About</a>
```

```
</div>
```

```
<form action="/app/about" method="post" style="margin-bottom: 10px;">{csrf token}
```

```
<input type="text" placeholder="Get Student Details" name="student_repo">
```

```
<button type="submit" class="btn btn-primary">student</button>
```

```
</form>
```

```
</div>
```

```
<h2> Student Details </h2>
```

```
<table class="table table-dark">
```

```
<thead>
```

```
<tr>
```

```
<th scope="col">Registration No</th>
```

```
<th scope="col">Name</th>
```

```
<th scope="col">CGPA</th>
```

```
</tr>
```

```
</thead>
```

```
<tbody>
```

```
<tr>
```

```
<td> {{ student.registrationNo }} </td>  
<td> {{ student.name }} </td>  
<td> {{ student.gpa }} </td>
```

```
</tr>
```

```
</tbody>
```

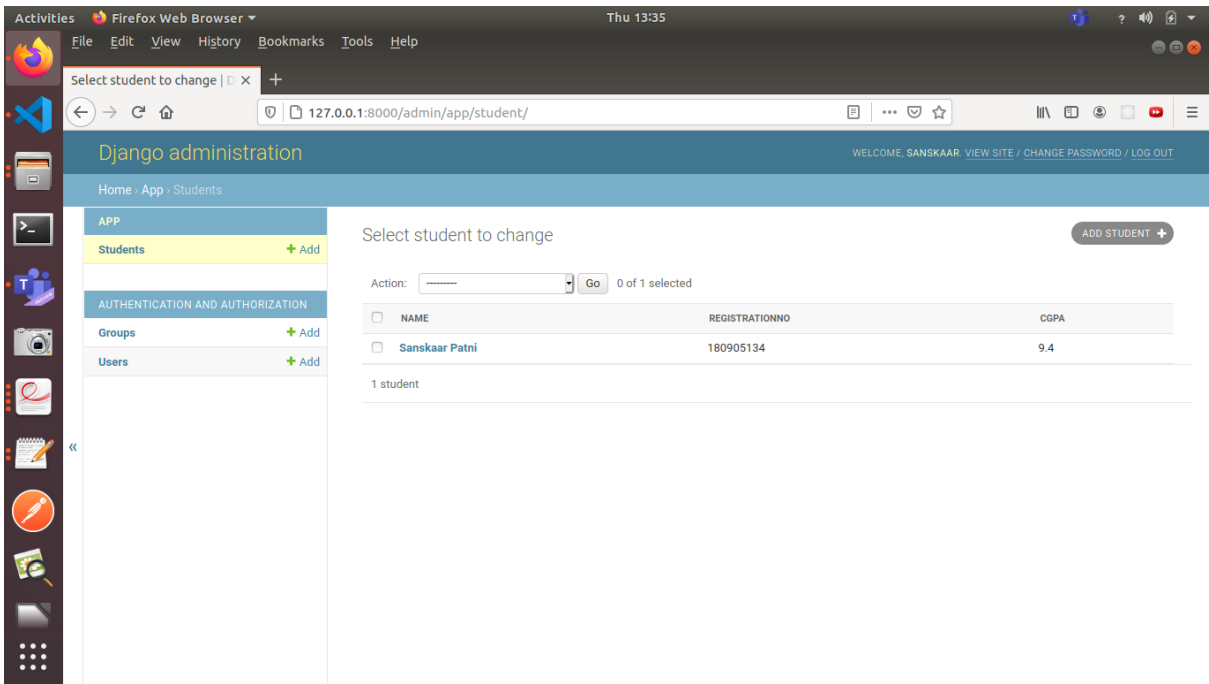
```
</table>
```

```
</body>
```

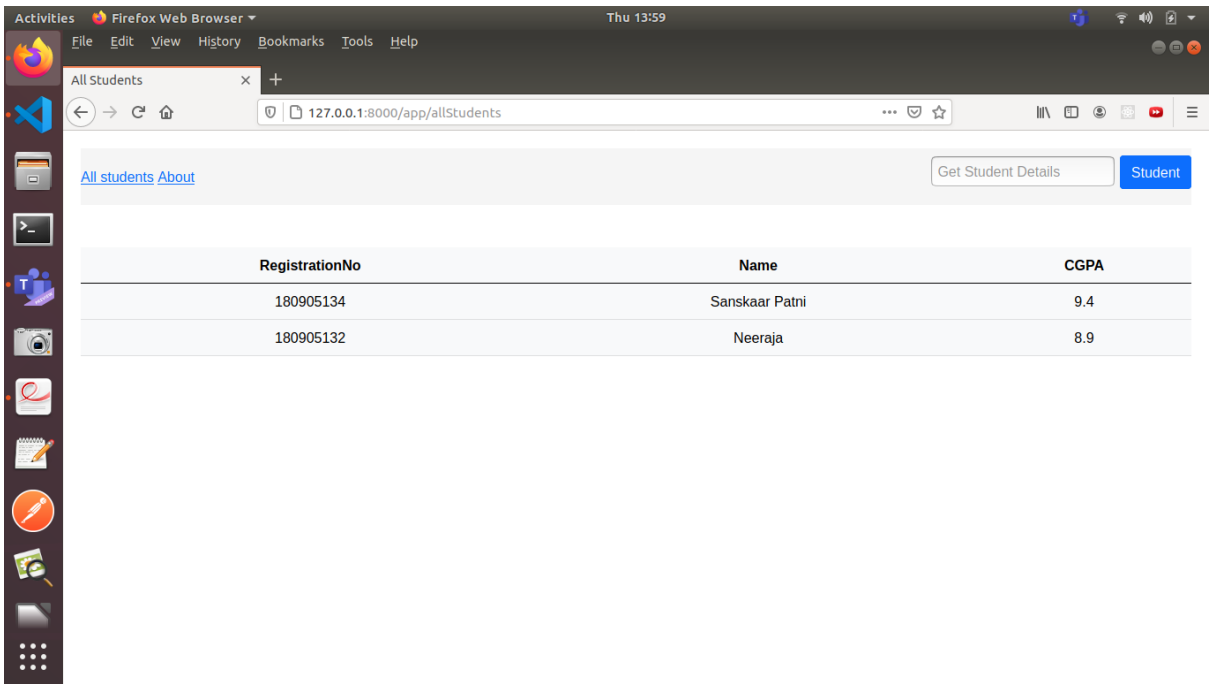
```
</html>
```


Screenshots:

Admin Page



All Students Page



About Page

