



K.S. INSTITUTE OF TECHNOLOGY, BENGALURU - 560109

LABORATORY MANUAL 2023-2024 EVEN SEMESTER

Module 3

Aim: For student and course models created in Lab experiment for Module2, register admin interfaces, perform migrations and illustrate data entry through admin forms.

Objective: The students will be able to

Creation of virtual environment, Django project and App to

Concept / Theory:

1. For student and course models created in Lab experiment for Module2, register admin interfaces, perform migrations and illustrate data entry through admin forms.

Note : This code is additional to the Programs executed in Module 2 (Lab 6) so please continue the editing that project itself.

In admin.py of the app – register your models

```
from django.contrib import admin

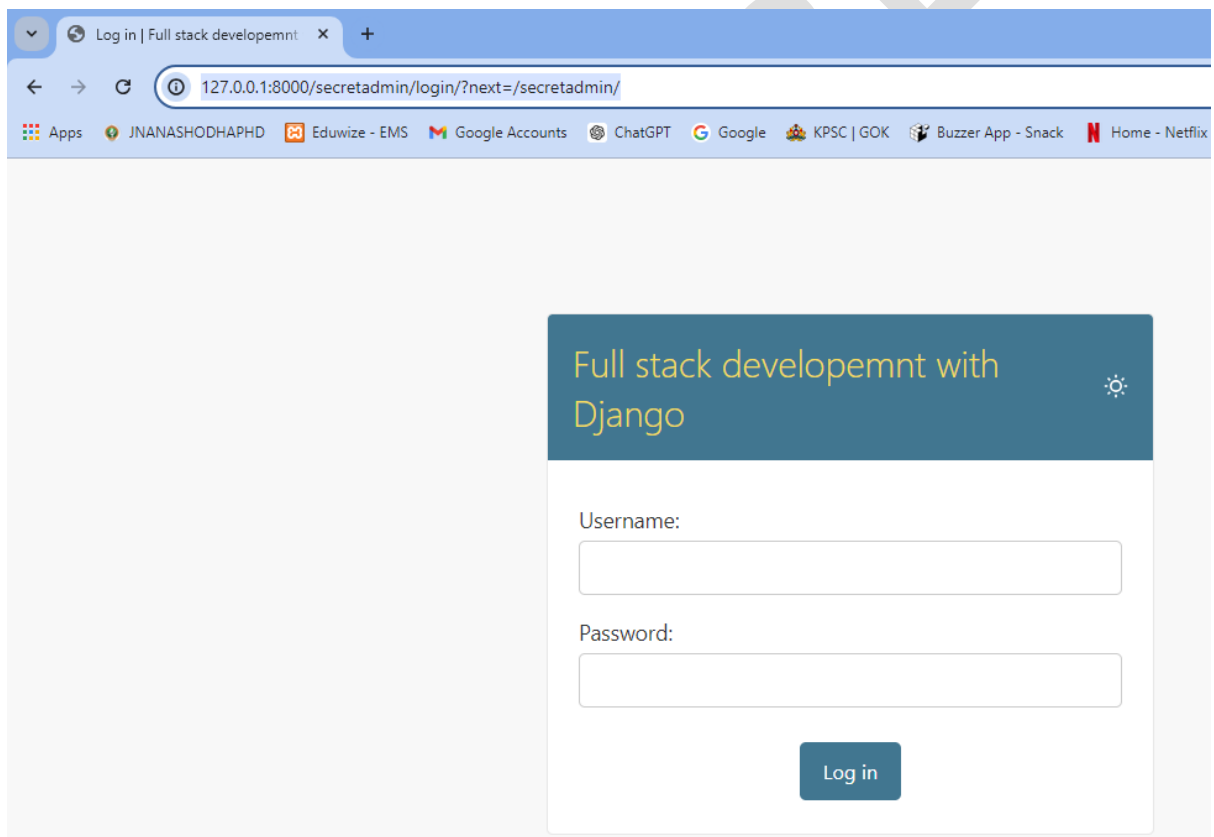
from studCourseRegApp.models import student, course
# Register your models here.
#admin.site.register(student)
#admin.site.register(course)
admin.site.site_header='Full stack developemnt with Django'
admin.site.site_title='Full stack developemnt with Django'
@admin.register(student)
class studentAdmin(admin.ModelAdmin):
    list_display=('usn','name')
    ordering=('usn',)
    search_fields=('name',)

@admin.register(course)
class courseAdmin(admin.ModelAdmin):
    list_display=('courseCode','courseName')
    ordering=('courseCode',)
    search_fields=('courseName',)
```

Creating a super user

```
PS C:\fsd\studCourseReg> py manage.py createsuperuser
Username (leave blank to use 'dell'): namya
Email address:
Password:
Password (again):
This password is too short. It must contain at least 8 characters.
This password is too common.
This password is entirely numeric.
Bypass password validation and create user anyway? [y/N]: y
Superuser created successfully.
PS C:\fsd\studCourseReg> █
```

<http://127.0.0.1:8000/secretadmin/login/?next=/secretadmin/>



Log in | Full stack developemnt

127.0.0.1:8000/secretadmin/login/?next=/secretadmin/

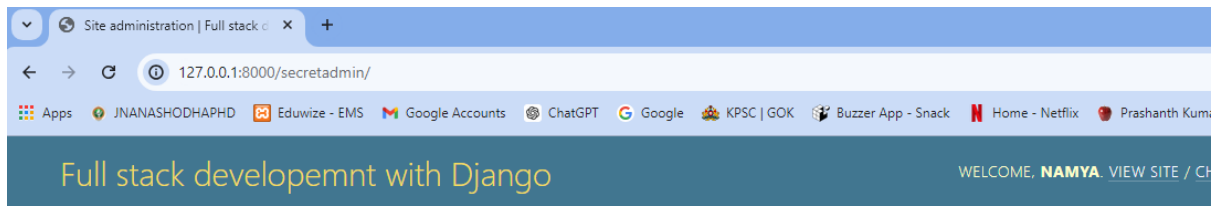
Apps JNANASHODHAPHD Eduwize - EMS Google Accounts ChatGPT Google KPSC | GOK Buzzer App - Snack Home - Netflix

Full stack developemnt with Django

Username:

Password:

Log in



Site administration

AUTHENTICATION AND AUTHORIZATION

Groups

+ Add

Change

Users

+ Add

Change

STUDCOURSEREGAPP

Courses

+ Add

Change

Students

+ Add

Change

Recent actions

My actions

None available

Managing Users

Select user to change | Full stack

127.0.0.1:8000/secretadmin/auth/user/

Full stack developemnt with Django

WELCOME, NAMYA. VIEW SITE / CHANGE PASSWORD / LOG OUT

Home > Authentication and Authorization > Users

Start typing to filter...

AUTHENTICATION AND AUTHORIZATION

Groups + Add

Users + Add

STUDCOURSEREGAPP

Courses + Add

Students + Add

Select user to change

ADD USER +

SEARCH

Action: ----- Go

0 of 1 selected

USERNAME

EMAIL ADDRESS

FIRST NAME

LAST NAME

namya

1 user

FILTER

Show counts

By staff status

All

Yes

No

By superuser status

All

Yes

No

Course list

The screenshot shows a web browser window with the URL `127.0.0.1:8000/secretadmin/studCourseRegApp/course/`. The page has a sidebar on the left with a search bar and two main sections: 'AUTHENTICATION AND AUTHORIZATION' containing 'Groups' and 'Users' (each with an '+ Add' link), and 'STUDCOURSEREGAPP' containing 'Courses' (highlighted in yellow with a '+ Add' link) and 'Students' (with a '+ Add' link). The main content area is titled 'Select course to change' and features a search bar, an 'Action:' dropdown menu, a 'Go' button, and a selection count '0 of 5 selected'. Below this is a table with two columns: 'COURSECODE' and 'COURSENAME'. The table lists five courses: 21CS61 (SEPM), 21CS62 (FSD), 21CS63 (CG), 21CS64 (ADJ), and 21CS65 (RES). Each row has a checkbox in the 'COURSECODE' column. At the bottom of the table, it says '5 courses'.

COURSECODE	COURSENAME
<input type="checkbox"/> 21CS61	SEPM
<input type="checkbox"/> 21CS62	FSD
<input type="checkbox"/> 21CS63	CG
<input type="checkbox"/> 21CS64	ADJ
<input type="checkbox"/> 21CS65	RES

The screenshot shows a web browser window with the URL `127.0.0.1:8000/secretadmin/studCourseRegApp/course/1/change/`. The page has a dark blue header with the text 'Full stack developemnt with Django' and a welcome message 'WELCOME, NAMYA' with links for 'VIEW SITE', 'CHANGE PASSWORD', and 'LOG OUT'. Below the header is a breadcrumb trail: 'Home > Studcourseregapp > Courses > 21CS61 SEPM 3'. The sidebar on the left is identical to the previous screenshot. The main content area is titled 'Change course' and has a 'HISTORY' button. Below the title is the course identifier '21CS61 SEPM 3'. There are three input fields: 'CourseCode:' with the value '21CS61', 'CourseName:' with the value 'SEPM', and 'CourseCredits:' with the value '3'. At the bottom, there are four buttons: 'SAVE', 'Save and add another', 'Save and continue editing', and 'Delete'.

Change course

21CS61 SEPM 3

COURSECODE: 21CS61

COURSENAME: SEPM

COURSECREDITS: 3

SAVE Save and add another Save and continue editing Delete

Student List

The screenshot displays a web application interface for managing students. The browser address bar shows the URL: `127.0.0.1:8000/secretadmin/studCourseRegApp/student/`. The page title is "Student List".

Navigation Sidebar:

- Home > Studcourseregapp > Students
- Start typing to filter...
- AUTHENTICATION AND AUTHORIZATION**
 - Groups + Add
 - Users + Add
- STUDCOURSEREGAPP**
 - Courses + Add
 - Students + Add**

Main Content Area:

Select student to change

ADD STUDENT +

Search

Action: ----- Go 0 of 5 selected

USN	NAME
<input type="checkbox"/> 1KS21CS001	Aarna
<input type="checkbox"/> 1KS21CS002	Bob
<input type="checkbox"/> 1KS21CS003	Camie
<input type="checkbox"/> 1KS21CS004	Doe
<input type="checkbox"/> 1KS21CS005	Eshwar

Add student

Usn:

Name:

Sem:

Courses:

21CS61 SEPM 3
21CS62 FSD 3
21CS63 CG 3
21CS64 ADJ 3
21CS65 RES 3

 +

Hold down "Control", or "Command" on a Mac, to select more than one.

SAVE Save and add another Save and continue editing

Conclusion: we were able to register admin interfaces, perform migrations and illustrate data entry through admin forms.