



**INSTITUTE OF TECHNOLOGY,
NIRMA UNIVERSITY**

2CS404 : Programming for Scientific Computing

Project : Django Blog Website

Team Members : Pratik Kansara (20BCE510)
 Dhruv Sonani (20BCE527)
 Naman Thaker(20BCE529)

Semester : 4th

ABSTRACT

- A blog is a frequently updated online personal journal or diary. It is a place to express yourself to the world.
- A place to share your thoughts and your passions. Really, it's anything you want it to be. For our purposes we'll say that a blog is your own website that you are going to update on an ongoing basis.
- Blog is a short form for the word weblog and the two words are used interchangeably.
- Blogs range from the personal to the political, and can focus on one narrow subject or a whole range of subjects.
- It can also play an important role in student's life. It can help in the promotion of critical and analytical thinking, increased access and exposure to quality content and a combination of solitary and social interactions with peers

- **Project System**

The Online Blogging System will allow the users to publish the writings, if he/she should have credentials to login. The main users of this project are students, teachers and administrators.

From an end-user perspective, the Online Blogging System project consists of following functional elements:

- **Dashboard:**

It is the default page of the site and we can access this option from right hand side anytime. All links are available on this page.

- **Posts:**

Here we can see all the published contents and we can also publish new content by “Add New Post” option.

- **Post Like and dislike:**

Users can like or dislike a post.

□ **Types of Users in the system**

◆ **Admin:**

All rights are reserved by admin.

◆ **Users:**

User can add posts, update it or delete it. User can see other users post and like or dislike it.

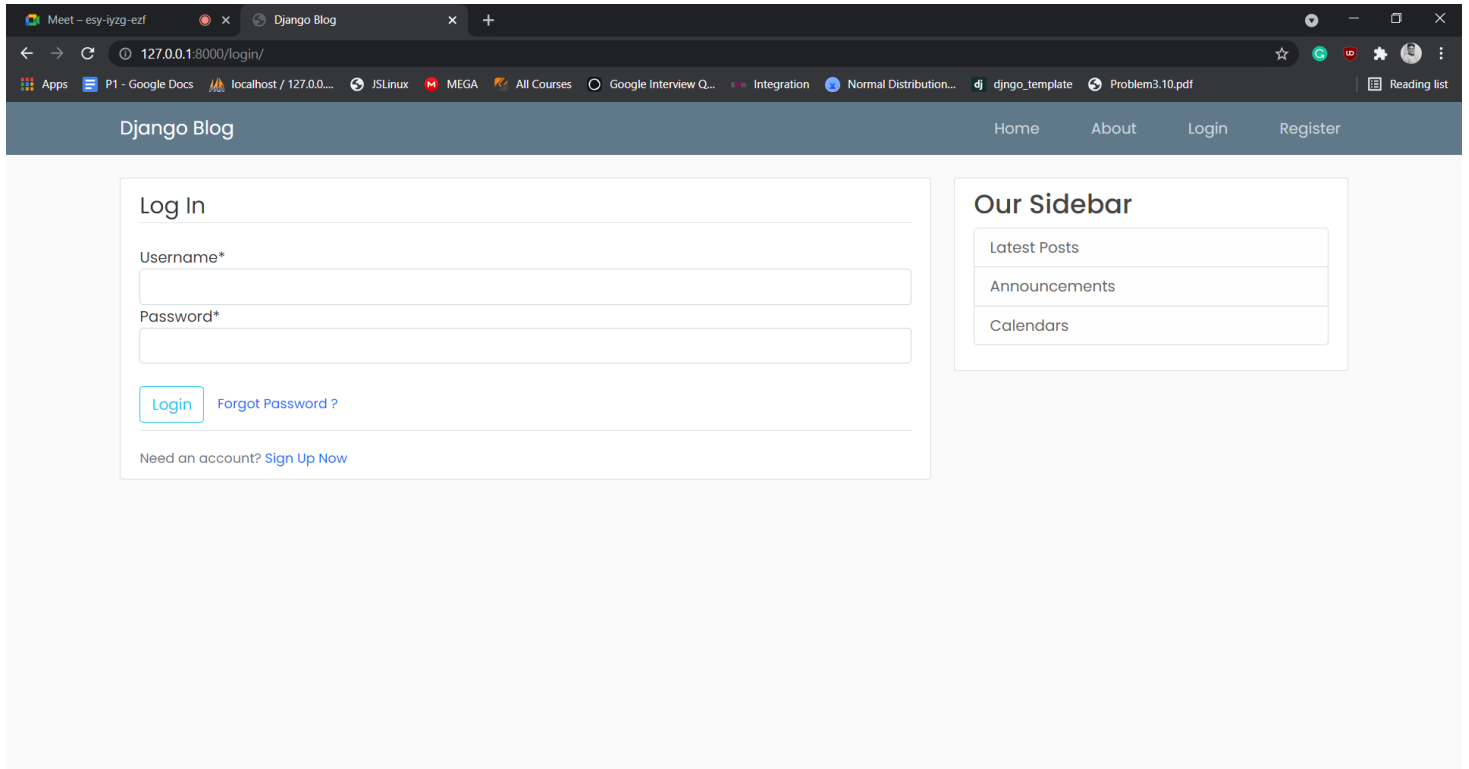
□ **Hardware and Software Characteristics:**

- Operating System: Windows, Linux etc.
- Browser: Chrome, Firefox, Bing, Opera, etc...
- Bank-end: MYSQL, PYTHON(Django)
- Front-end: JavaScript, JSP, CSS, HTML, Bootstrap

□ Execution Process

- Open folder using cd command
- `python -m venv myenv` (To make new virtual environment)
- `myenv/Scripts/activate` (To activate virtual environment)
- `python install Django` (To install Django)
- `python -m pip install -upgrade pip` (to install Django)
- `python manage.py runserver` (To run server localhost:8000/)
- `python manage.py createsuperuser` (To create new admin)
- `python manage.py migrate` (To migrate data that are in database)
- `python manage.py makemigrations` (To migrate data that are added at later stage).

□ Output :



The screenshot shows a web browser window with the URL `127.0.0.1:8000/login/`. The page has a dark blue header with the title "Django Blog" and navigation links: Home, About, Login, and Register. The main content area is light gray and contains a "Log In" form on the left and a "Our Sidebar" widget on the right. The "Log In" form has fields for "Username*" and "Password*", a "Login" button, and a link for "Forgot Password?". Below the form is a link for "Sign Up Now". The "Our Sidebar" widget contains three links: "Latest Posts", "Announcements", and "Calendars".

Log In

Username*

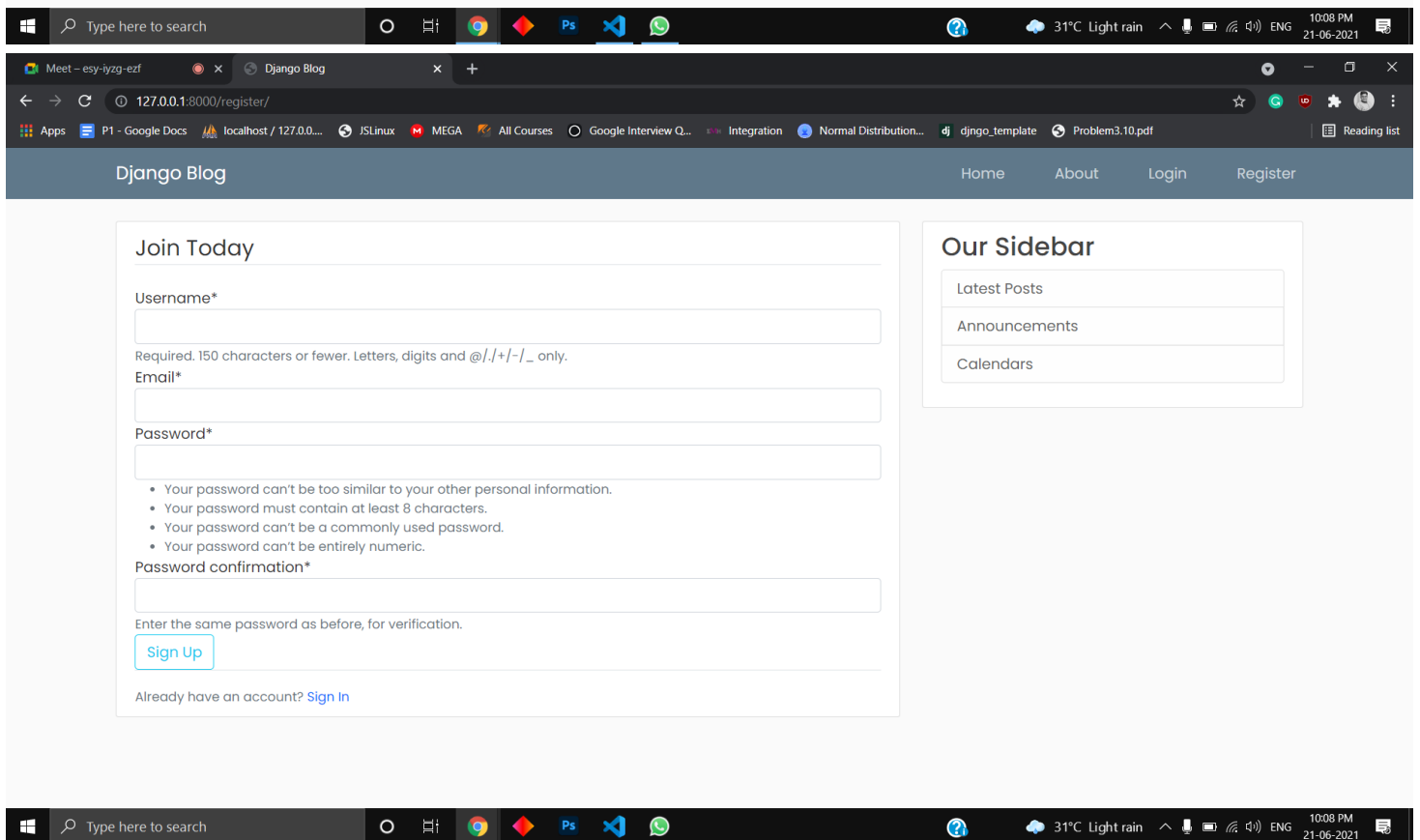
Password*

Login [Forgot Password ?](#)

Need an account? [Sign Up Now](#)

Our Sidebar

- Latest Posts
- Announcements
- Calendars



The screenshot shows a web browser window with the URL `127.0.0.1:8000/register/`. The page has a dark blue header with the title "Django Blog" and navigation links: Home, About, Login, and Register. The main content area is light gray and contains a "Join Today" form on the left and a "Our Sidebar" widget on the right. The "Join Today" form has fields for "Username*", "Email*", and "Password*", a "Sign Up" button, and a link for "Sign In". The "Password" field has a list of requirements: "Your password can't be too similar to your other personal information.", "Your password must contain at least 8 characters.", "Your password can't be a commonly used password.", and "Your password can't be entirely numeric." Below the "Password" field is a "Password confirmation*" field with a note: "Enter the same password as before, for verification." The "Our Sidebar" widget contains three links: "Latest Posts", "Announcements", and "Calendars".

Join Today

Username*

Required. 150 characters or fewer. Letters, digits and @/./+/-/_ only.

Email*

Password*

- Your password can't be too similar to your other personal information.
- Your password must contain at least 8 characters.
- Your password can't be a commonly used password.
- Your password can't be entirely numeric.

Password confirmation*

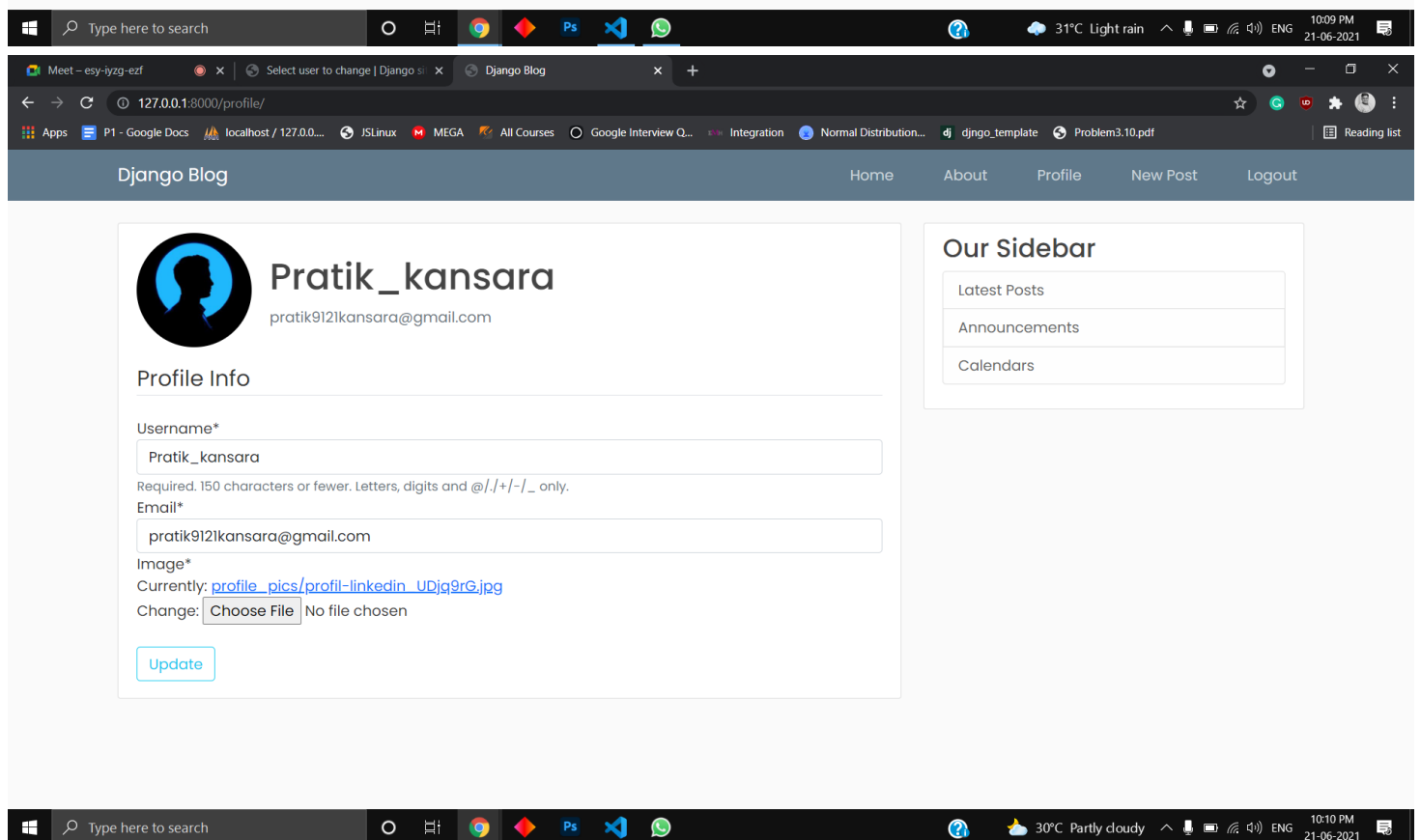
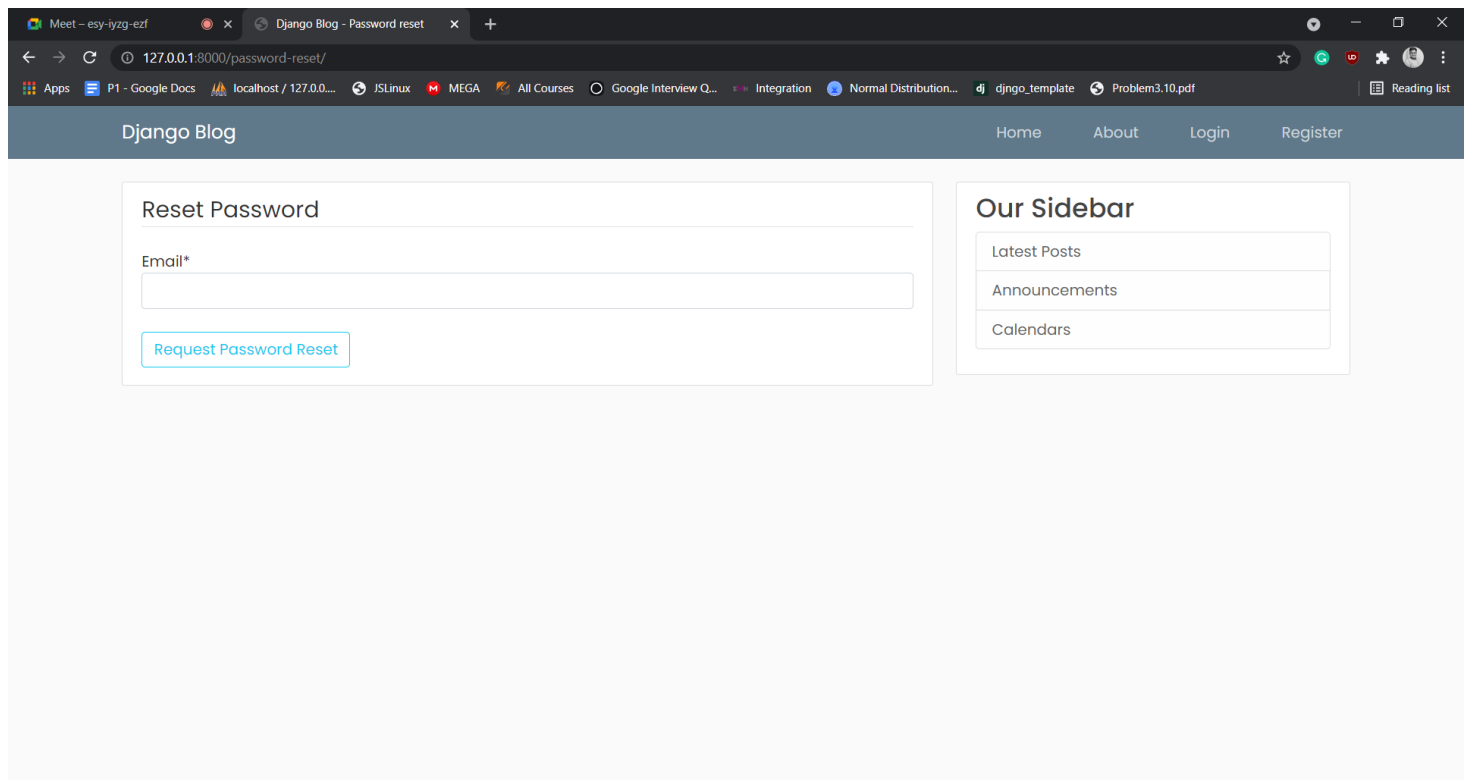
Enter the same password as before, for verification.

Sign Up

Already have an account? [Sign In](#)

Our Sidebar

- Latest Posts
- Announcements
- Calendars



Meet - esy-iyzg-ezf

Select user to change | Django Blog

Django Blog

127.0.0.1:8000/post/new/

AppsP1 - Google Docslocalhost / 127.0.0.1...JSLinuxMEGAAll CoursesGoogle Interview Q...IntegrationNormal Distribution...dj Django templateProblem3.10.pdfReading list

Django BlogHomeAboutProfileNew PostLogout

Blog Post

Title*

New Post!!

Content*

new content!!!

Post

Our Sidebar

Latest Posts

Announcements

Calendars

Type here to search

30°C Partly cloudy10:11 PM21-06-2021

Meet - esy-iyzg-ezf


Select user to change | Django Blog

Django Blog

127.0.0.1:8000/post/36/

AppsP1 - Google Docslocalhost / 127.0.0.1...JSLinuxMEGAAll CoursesGoogle Interview Q...IntegrationNormal Distribution...dj Django templateProblem3.10.pdfReading list

Django BlogHomeAboutProfileNew PostLogout




Pratik_kansara June 21, 2021

Update

Delete

New Post!!

new content!!

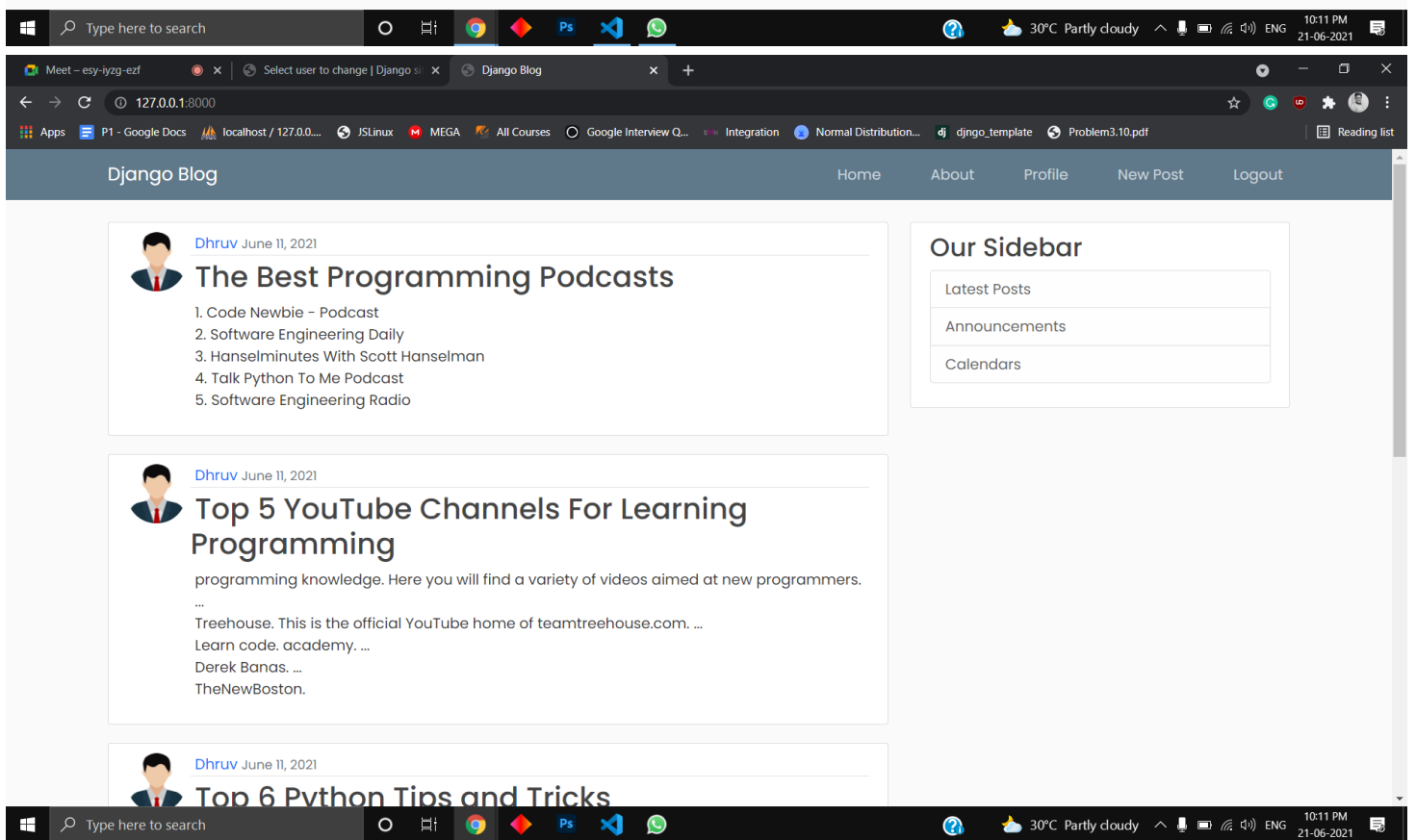
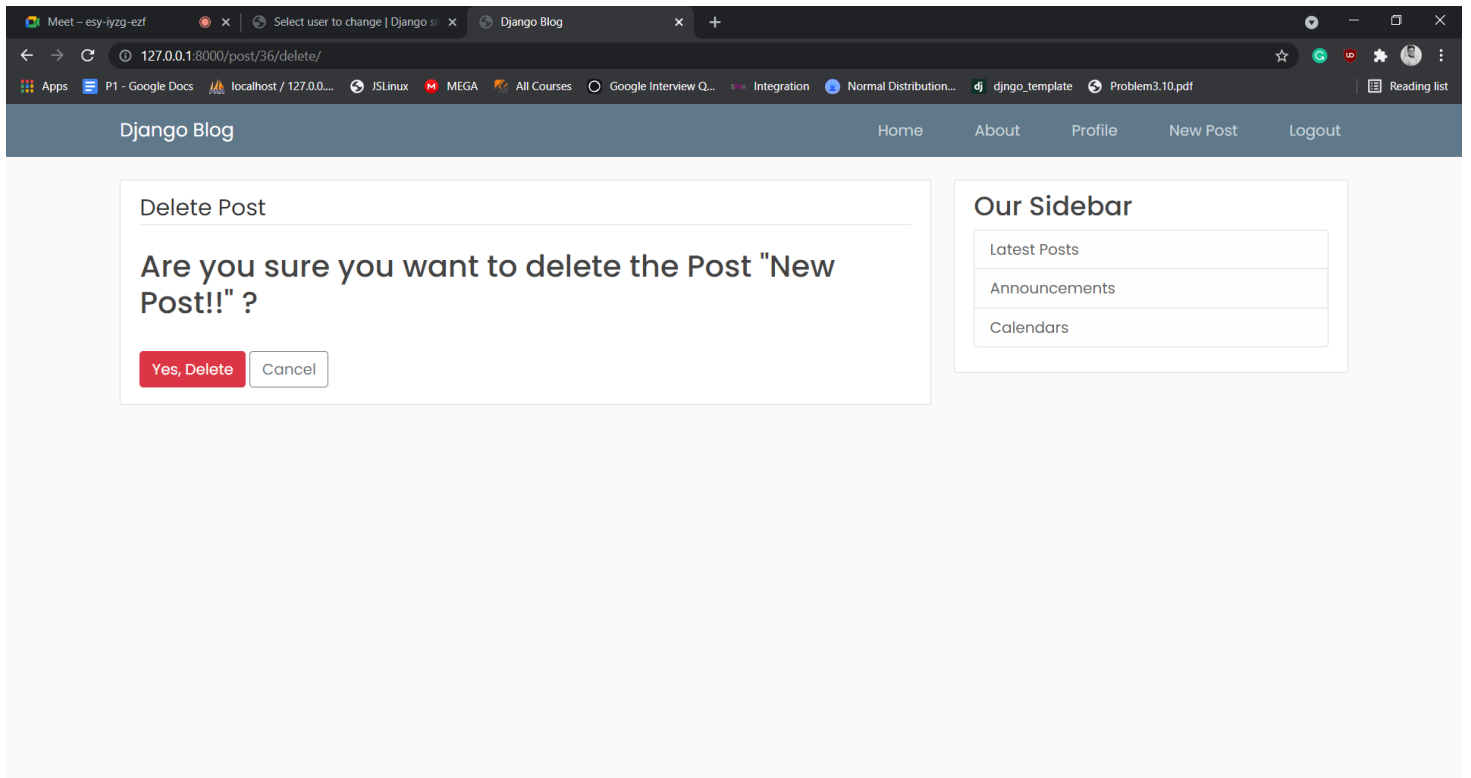
 - 0

Our Sidebar

Latest Posts

Announcements

Calendars



Meet - esy-iyzg-ezf

Select user to change | Django s...


Django Blog

127.0.0.1:8000/?page=2

AppsP1 - Google Docslocalhost / 127.0.0.1...JSLinuxMEGAAll CoursesGoogle Interview Q...IntegrationNormal Distribution...dj_django_templateProblem3.10.pdfReading list

Django Blog


HomeAboutProfileNew PostLogout



Naman June 11, 2021

How Dogs in the Workplace Boosts Productivity

Has ea verear adolescens, elit justo constituam duo in, vix an copiosae contentiones. Eos persius consequuntur no, esse percipit cum ea, per modus harum praesent at. Et clita delenit luptatum usu? No cum interpretaris concludaturque. Congue pertinax ea mea. \r\n\r\nBrute iracundia philosophia ei quo, nam at adhuc idque, ex dolor homero mei. No mea affert tacimates pertinacia, in maluisset dissentias consectetur mei, vel no aliquam splendide. In has nobis vocent adipisci? Pri clita delicata in, iusto viris scripserit vim in? Sit in lorem complectitur. Sanctus eloquentiam eum ut, et sumo aperiarian mea? Vim te affert populo voluptaria, utinam consul ad duo.



Naman June 11, 2021

List of PyCon 2018 Talks

Has ea verear adolescens, elit justo constituam duo in, vix an copiosae contentiones. Eos persius consequuntur no, esse percipit cum ea, per modus harum praesent at. Et clita delenit luptatum usu? No cum interpretaris concludaturque. Congue pertinax ea mea. \r\n\r\nBrute iracundia philosophia ei quo, nam at adhuc idque, ex dolor homero mei. No mea affert tacimates pertinacia, in maluisset dissentias consectetur mei, vel no aliquam splendide. In has nobis vocent adipisci? Pri clita delicata in, iusto viris scripserit vim in? Sit in lorem complectitur. Sanctus eloquentiam eum ut, et sumo aperiarian mea? Vim te affert populo voluptaria, utinam consul ad duo.

127.0.0.1:8000/post/28/

Type here to search

30°C Partly cloudy

10:11 PM 21-06-2021

Meet - esy-iyzg-ezf

Select user to change | Django s...


Django Blog

127.0.0.1:8000/?page=2

AppsP1 - Google Docslocalhost / 127.0.0.1...JSLinuxMEGAAll CoursesGoogle Interview Q...IntegrationNormal Distribution...dj_django_templateProblem3.10.pdfReading list

Django Blog


HomeAboutProfileNew PostLogout



Pratik_kansara June 11, 2021

Flask vs Django - Which Is Better?


Ei dicta aperiarian deterruisset eam, cu offendit invenire pri, cu possim vivendo vix? Nam nihil evertitur ad, ne vim nonumy legendos iracundia. Vix nulla dolorem intellegebat ea? Te per vide paulo dolor, eum ea erant placerat constituam? Dolores accumsan eum at. \r\n\r\nInterestset consequuntur id vix. Eam id decore latine, iusto imperdiet ei qui. In ludus consul reformidans eam. Nec in recusabo posidonium, cu tantas volumus mnesarchum pro. Nam ut docendi evertitur, possim menandri persecuti ne sed, cum saepe ornatus delenit ei? \r\n\r\nIn mel debet aliquam. In his etiam legere, doming nominavi consetetur has ad, decore reprimique ea usu. Eam magna graeci suavitae cu, facete delenit cum ne. Ponderum evertitur tincidunt ei mel, ius ei stet euismod docendi.



Pratik_kansara June 11, 2021

Best Python IDEs

- 1) PyCharm
- 2) Kite
- 3) Spyder
- 4) Visual Studio Code
- 5) Jupyter



Pratik_kansara June 11, 2021

Type here to search

30°C Partly cloudy

10:11 PM 21-06-2021

Meet - esy-iyzg-ezf

Django Blog

127.0.0.1:8000/post/26/


☆🔍🔧👤⋮

AppsP1 - Google Docslocalhost / 127.0.0.1...JSLinuxMEGAAll CoursesGoogle Interview Q...IntegrationNormal Distribution...dj Django templateProblem3.10.pdf

Reading list

Django Blog

HomeAboutLoginRegister



Pratik_kansara June 11, 2021

Best Python IDEs

1) PyCharm
2) Kite
3) Spyder
4) Visual Studio Code
5) Jupyter

Please Login to Like👍- 1


Our Sidebar

Latest Posts

Announcements

Calendars

Type here to search



30°C Partly cloudy

10:14 PM
21-06-2021