**Video file :98**

**Code file:ch88**

**Restrict Role Based Access Dashboard in Django 5**

In this we just make one app core and in that make another file :

Mixins.py:

from django.contrib.auth.mixins import UserPassesTestMixin

from django.http import HttpResponseForbidden

from django.shortcuts import redirect

erro\_403\_html = """

<!DOCTYPE html>

<html lang="en">

<head>

    <meta charset="UTF-8">

    <meta name="viewport" content="width=device-width, initial-scale=1.0">

    <title>403 Forbidden</title>

    <style>

        /\* General Styles \*/

        body {

            margin: 0;

            font-family: Arial, sans-serif;

            background-color: #f3f4f6;

            display: flex;

            justify-content: center;

            align-items: center;

            height: 100vh;

        }

        .container {

            background-color: #ffffff;

            box-shadow: 0 4px 8px rgba(0, 0, 0, 0.1);

            border-radius: 8px;

            text-align: center;

            padding: 30px;

            max-width: 400px;

            width: 100%;

        }

        h1 {

            font-size: 32px;

            color: #e3342f;

            margin-bottom: 20px;

        }

        p {

            font-size: 16px;

            color: #4a4a4a;

            margin-bottom: 20px;

        }

        a {

            display: inline-block;

            padding: 12px 24px;

            background-color: #3490dc;

            color: #ffffff;

            font-weight: bold;

            text-decoration: none;

            border-radius: 5px;

            box-shadow: 0 2px 4px rgba(0, 0, 0, 0.1);

            transition: background-color 0.3s, box-shadow 0.3s;

        }

        a:hover {

            background-color: #2779bd;

            box-shadow: 0 4px 6px rgba(0, 0, 0, 0.15);

        }

    </style>

</head>

<body>

    <div class="container">

        <h1>403 - Access Forbidden</h1>

        <p>Sorry, you are not authorized to access this page.</p>

        <a href="/">Return to Home</a>

    </div>

</body>

</html>

"""

class IsCustomerMixin(UserPassesTestMixin):

  def test\_func(self):

    return self.request.user.is\_authenticated and hasattr(self.request.user, 'is\_customer') and self.request.user.is\_customer

  def handle\_no\_permission(self):

    if self.request.user.is\_authenticated:

      return HttpResponseForbidden(erro\_403\_html)

    return redirect('login')

class IsSellerMixin(UserPassesTestMixin):

  def test\_func(self):

    return self.request.user.is\_authenticated and hasattr(self.request.user, 'is\_seller') and self.request.user.is\_seller

  def handle\_no\_permission(self):

    if self.request.user.is\_authenticated:

      return HttpResponseForbidden(erro\_403\_html)

    return redirect('login')

And add the role base restriction code and than go into seller and customer views and add this