



Week 7

NyxusByte Internship(Python)



Presented By:
Anish Bista



What we learned this week?

This week i did one projects:
Online Bookstore (Finished)

Doing this projects i learned following topics or concepts:

1. Custom Authentication:

It is used as it is flexible to tailor authentication to specific project needs and also to enhance security.

What we learned this week?

2. Sending Email:

Sending email is important for various purposes such as password reset, account verification and notifications.



What we learned this week?

3. Class Based Views:

It is same as function based views as it handle HTTP requests and return HTTP responses.

Types of Class Based Views:

1. `TemplateView`: Renders a template.
2. `ListView/DetailView`: Display a list of objects or details of a single object.

What we learned this week?

Types of Class Based Views:

3. FormView: Handles forms and form submissions.
4. CreateView/UpdateView/DeleteView: Perform CRUD operations

Class Based Views Benefits:

1. Reusability
2. Inheritance
3. Mixins
4. Organization and Readability

What we learned this week?

Example of Class-Based Views

```
from django.shortcuts import render
from django.views import View
from django.http import HttpResponse

class MyView(View):
    template_name = 'my_template.html'

    def get(self, request, *args, **kwargs):
        # Logic for handling GET requests
        context = {'message': 'This is a class-based view!'}
        return render(request, self.template_name, context)

    def post(self, request, *args, **kwargs):
        # Logic for handling POST requests
        # Access request.POST to get form data
        message = request.POST.get('message', '')
        context = {'message': f'You submitted: {message}'}
        return render(request, self.template_name, context)
```



Thank You !!