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<center>**PFSD – In Sem Lab**</center>

1. **Build a simple Django project that displays a random quote each day.**

   Solution:

   ```python
   # quotes/models.py

   from django.db import models

   class Quote(models.Model):
       text = models.TextField()
       author = models.CharField(max_length=100)

       def __str__(self):
           return self.text


   # quotes/views.py

   from django.shortcuts import render
   from quotes.models import Quote
   import random
   from datetime import datetime

   def quote_of_the_day(request):
       today = datetime.now().date()
   ```

```python
    random_quote = Quote.objects.order_by('?').first()
# Get a random quote
    return render(request, 'quote_of_the_day.html',
{'quote': random_quote, 'date': today})
```

```html
<!-- quotes/templates/quote_of_the_day.html -->

<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Quote of the Day</title>
</head>
<body>
    <h1>Quote of the Day - {{ date }}</h1>
    <blockquote>
        <p>{{ quote.text }}</p>
        <footer>{{ quote.author }}</footer>
    </blockquote>
</body>
</html>
```

```python
# quotes/urls.py

from django.urls import path
from .views import quote_of_the_day
```

```python
urlpatterns = [
    path('', quote_of_the_day, name='quote_of_the_day'),
]
```

```python
# quote_of_the_day_project/urls.py

from django.contrib import admin
from django.urls import path, include

urlpatterns = [
    path('admin/', admin.site.urls),
    path('', include('quotes.urls')),
]
```

Output:

Quote of the Day - March 2, 2024

"To live is the rarest thing in this world!"

Oscar Wilde