

# # Django 5-Hafta: Profil rasmi, E-mail yuborish, Mobil dizayn, Statistika

## ## Maqsad:

- Profil rasmi yuklash
- E-mail yuborish funksiyasi
- Responsive UI (mobil dizayn)
- Sayt statistikasi va foydalanuvchi faolligi

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## ## 1-Dars: Profil rasmi yuklash

### ### models.py:

```
```python
```

```
from django.contrib.auth.models import User
```

```
from django.db import models
```

```
class Profile(models.Model):
```

```
    user = models.OneToOneField(User, on_delete=models.CASCADE)
```

```
    image = models.ImageField(upload_to='profile_pics/', default='default.jpg')
```

```
    def __str__(self):
```

```
        return f'{self.user.username} profili'
```

```
```
```

### ### signals.py:

```
```python
```

```
from django.db.models.signals import post_save
```

```
from django.dispatch import receiver
```

```
from django.contrib.auth.models import User
```

```
from .models import Profile
```

```

@receiver(post_save, sender=User)
def create_profile(sender, instance, created, **kwargs):
    if created:
        Profile.objects.create(user=instance)

```

```

@receiver(post_save, sender=User)
def save_profile(sender, instance, **kwargs):
    instance.profile.save()

```

### ### admin.py:

```

```python
from .models import Profile
admin.site.register(Profile)

```

### ### settings.py:

```

```python
MEDIA_URL = '/media/'
MEDIA_ROOT = BASE_DIR / 'media'

```

### ### profile.html:

```

```html


```

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## ## 2-Dars: E-mail yuborish

### ### settings.py:

```

```python

```

```
EMAIL_BACKEND = 'django.core.mail.backends.smtp.EmailBackend'
EMAIL_HOST = 'smtp.gmail.com'
EMAIL_PORT = 587
EMAIL_USE_TLS = True
EMAIL_HOST_USER = 'youremail@gmail.com'
EMAIL_HOST_PASSWORD = 'yourpassword'
...
```

### ### views.py:

```
``python
from django.core.mail import send_mail

def send_feedback(request):
    if request.method == 'POST':
        subject = request.POST['subject']
        message = request.POST['message']
        sender = request.user.email
        send_mail(subject, message, sender, ['admin@example.com'])
        return HttpResponseRedirect('Yuborildi!')
    return render(request, 'blog/feedback.html')
...
```

### ### feedback.html:

```
``html
<h2>Adminga habar yuborish</h2>
<form method="POST">
{% csrf_token %}
<input type="text" name="subject" placeholder="Mavzu">
<textarea name="message" placeholder="Habar"></textarea>
<button type="submit">Yuborish</button>
</form>
...
```

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## ## 3-Dars: Mobil (Responsive) dizayn

### ### base.html:

```
``html

<meta name="viewport" content="width=device-width, initial-scale=1">

<link href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.0/dist/css/bootstrap.min.css" rel="stylesheet">

...

```

### ### home.html:

```
``html

<div class="container">

<div class="row">

{% for post in posts %}

<div class="col-md-6 col-lg-4 mb-3">

<div class="card">

<div class="card-body">

<h5 class="card-title">{{ post.title }}</h5>

<p class="card-text">{{ post.content|truncatewords:20 }}</p>

<a href="{% url 'post_detail' post.pk %}" class="btn btn-primary">Korish</a>

</div>

</div>

</div>

{% endfor %}

</div>

</div>

...

```

---

## ## 4-Dars: Statistikalalar va foydalanuvchi faolligi

### ### models.py (Post modeliga quyidagilarni qoshish):

```
```python  
views = models.PositiveIntegerField(default=0)  
```
```

### ### views.py (post\_detail):

```
```python  
post.views += 1  
post.save()  
```
```

### ### profile.html:

```
```html  
<h3>Statistika</h3>  
<p>Postlar soni: {{ posts.count }}</p>  
<p>Jami korilishlar: {{ posts|sum:'views' }}</p>  
```
```

Yoki `templatetags` orqali filter yozish mumkin boladi (bonus mavzu).

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## ## 5-hafta yakuni

### ### Qilinganlar:

- Profil rasmi yuklash (ImageField + media sozlamalari)
- E-mail yuborish (send\_mail)
- Bootstrap yordamida responsive UI
- Sayt statistikasi (post views + postlar soni)

### ### Kelgusi: Super admin panel, fayl yuklash, PDF generatsiya qilish, testlar yozish (6-hafta)

Davom ettiraymi?

