

Project 4

create dir 04projectfuns

(1) create new project website

django-admin startproject website ↵

(2) create new app inside it

python manage.py startapp articles ↵

(3) migrate

python manage.py migrate

(4) Run Server

python manage.py runserver

(5) open website and inside app into settings.py

SETTINGS

'articles',

Read topics from

<https://docs.djangoproject.com/en/2.0/topics/db/models>

— Adding articles in database —

(6) articles → models.py
(opt)

from django.db import models

```
class Article (models.Model):  
    authors = models.ForeignKey(  
        'auth.Users',  
        on_delete = models.CASCADE,  
    )  
    title = models.CharField (max_length = 200)  
    text = models.TextField ()
```

```
def __str__ (self):  
    return self.title
```

(7) let database know about model

```
python manage.py makemigrations articles  
                                ↘ opt name
```

```
python manage.py migrate articles
```

(8) create user for admin —

```
python manage.py createsuperuser ↵
```

username

email

pwd ↵

(9) login to `http://127.0.0.1:8000/admin`

run server

`python manage.py runserver` ↩

(10) Add `models.py` into `admin.py` (articles)

from `django.contrib` import `admin`

from `models` import `Article`

→ class name

~~for~~ `admin.site.register(Article)`

(11) add articles under Article class on web

— Configuring URLs —

website → `urls.py`

from `django.contrib` import `admin`

from `django.urls` import `path, include`

`urlpatterns = [`

`path('admin/', admin.site.urls),`

→ `path('', include('articles-urls')),`

↓
app

(12) create new file inside articles app
urls.py (articles)

Copy paste into it from website: urls

articles-urls.py

```
from django.urls import path
urlpatterns from . import views
urlpatterns = [
    path ('', views.ArticleListView.as_view(), name='home')
]
```

(13) create views.py (articles) —

```
from django.views.generic import ListView
from import models from import Article
```

class name

```
class ArticleListView (ListView):
    model = Article
    template_name = 'home.html'
```

(14) create new folders inside website templates
create new file inside templates → home.html
→ base.html

(15) configure our template into website → settings.py

TEMPLATES = [

'DIRS': [os.path.join(BASE_DIR, 'templates')],

(16) templates → base.html

<html>

<head>

<title> Rupa's Aotizle </title>

</head>

<body>

<header>

<h1> my personal blog </h1>

</header>

<div class = "containers">

{% block content %}

{% endblock content %}

</div>

</body>

</html>

(17) templates → home.html

{% extends 'base.html' %}

{% block content %}

{% for obj in object_list %}

<div class="article">

<h3>{{ c.title }}</h3>

<p>{{obj.text}}</p>

</div>

{% endfor %}

{% endblock content %}

— Adding static files for CSS —

18) create new folder inside website static

website → settings.py

After last line i.e

STATIC_URL = '/static/'

STATICFILES_DIRS = [os.path.join(BASE_DIR,
'static')]

folder name

19) create new folders inside static → css

create new file basestyle.css

basestyles.css

body {

background-color : #cccccc;

color : #FF0000;

}

20) Go to base.html add this CSS into head part

<head>

<link rel="stylesheet" href = ^{keyword}"/static
'css/basestyles.css' %>">

<title> Rupa's Profile </title>

</head>

(21) At top of base.html add

% load staticfiles %>

(22) Run server

python manage.py runserver ↗

— unique url for articles —

23) articles → views.py

Add one new class for details

from django.views.generic import ListView, DetailView

class —

```
class ArticleDetailView(DetailView):
```

```
    model = Article
```

```
    template_name = 'detail.html'
```

```
    context_object_name = 'batman'
```

24) create new file templates → detail.html

```
{% extends 'base.html' %}
```

```
{% block content %}
```

```
    <div class="details">
```

```
        <h2> {{ batman.title }} </h2>
```

```
        <p> {{ batman.text }} </p>
```

```
    </div>
```

```
{% endblock content %}
```


(25) articles → urls.py

urlpatterns = [

path(

path('article/<int:pk>', views.ArticleDetailView.
as_view(), name='article_page')

]

primary key

(26) home.html

<div class="article">

<h3>

{{ arti = title }}</h3>

<p>{{ arti = text }}</p>

for loop index

</div>