

YOU TUBE CLONE

app.py

```
from flask import Flask, render_template, request, redirect, url_for
from werkzeug.utils import secure_filename
import os
import sqlite3

app = Flask(__name__)
app.config['UPLOAD_FOLDER'] = 'uploads'

# Ensure the upload folder exists
os.makedirs(app.config['UPLOAD_FOLDER'], exist_ok=True)

# Initialize the SQLite database
def init_db():
    conn = sqlite3.connect('videos.db')
    c = conn.cursor()
    c.execute('''CREATE TABLE IF NOT EXISTS videos
                (id INTEGER PRIMARY KEY AUTOINCREMENT,
                 title TEXT,
                 filename TEXT)''')
    conn.commit()
    conn.close()

@app.route('/')
def index():
    conn = sqlite3.connect('videos.db')
    c = conn.cursor()
    c.execute("SELECT * FROM videos")
    videos = c.fetchall()
    conn.close()
    return render_template('index.html', videos=videos)

@app.route('/upload', methods=['GET', 'POST'])
def upload():
    if request.method == 'POST':
        file = request.files['file']
        title = request.form['title']
        if file and title:
            filename = secure_filename(file.filename)
```

```

        file.save(os.path.join(app.config['UPLOAD_FOLDER'], filename))
        conn = sqlite3.connect('videos.db')
        c = conn.cursor()
        c.execute("INSERT INTO videos (title, filename) VALUES (?,
?)", (title, filename))
        conn.commit()
        conn.close()
        return redirect(url_for('index'))
    return render_template('upload.html')

@app.route('/video/<int:video_id>')
def video(video_id):
    conn = sqlite3.connect('videos.db')
    c = conn.cursor()
    c.execute("SELECT * FROM videos WHERE id=?", (video_id,))
    video = c.fetchone()
    conn.close()
    return render_template('video.html', video=video)

if __name__ == '__main__':
    init_db()
    app.run(debug=True)

```

template/index.html

```

<!doctype html>
<html lang="en">
<head>
    <meta charset="utf-8">
    <title>YouTube Clone</title>
    <link rel="stylesheet" href="{{ url_for('static',
filename='style.css') }}">
</head>
<body>
    <header>
        <h1>YouTube Clone</h1>
    </header>
    <div class="container">
        <a href="{{ url_for('upload') }}">Upload New Video</a>
    <ul>

```

```

        {% for video in videos %}
        <li><a href="{{ url_for('video', video_id=video[0]) }}">{{
video[1] }}</a></li>
        {% endfor %}
    </ul>
</div>
</body>
</html>

```

template/upload.html

```

<!doctype html>
<html lang="en">
<head>
    <meta charset="utf-8">
    <title>Upload Video</title>
    <link rel="stylesheet" href="{{ url_for('static',
filename='style.css') }}">
</head>
<body>
    <header>
        <h1>Upload Video</h1>
    </header>
    <div class="container">
        <form method="post" enctype="multipart/form-data">
            <label for="title">Title</label>
            <input type="text" name="title" id="title" required>
            <label for="file">Video File</label>
            <input type="file" name="file" id="file" required>
            <button type="submit">Upload</button>
        </form>
    </div>
</body>
</html>

```

template /video.html

```

<!doctype html>
<html lang="en">
<head>
    <meta charset="utf-8">
    <title>{{ video[1] }}</title>

```

```

    <link rel="stylesheet" href="{{ url_for('static',
filename='style.css') }}">
</head>
<body>
    <header>
        <h1>{{ video[1] }}</h1>
    </header>
    <div class="container">
        <video width="600" controls>
            <source src="{{ url_for('static', filename=video[2]) }}"
type="video/mp4">
            Your browser does not support the video tag.
        </video>
        <a href="{{ url_for('index') }}">Back to Home</a>
    </div>
</body>
</html>

```

static/style.css

```

body {
    font-family: Arial, sans-serif;
    background-color: #f0f0f0;
    margin: 0;
    padding: 0;
}

header {
    background-color: #282c34;
    color: white;
    padding: 20px;
    text-align: center;
}

h1 {
    font-size: 24px;
}

.container {
    margin: 20px;
}

```

```
a {
    color: #61dafb;
    text-decoration: none;
}

a:hover {
    text-decoration: underline;
}

form {
    margin: 20px 0;
}

label {
    display: block;
    margin-top: 10px;
}

input[type="text"],
input[type="file"] {
    padding: 10px;
    margin-top: 5px;
    width: 100%;
    box-sizing: border-box;
}

button {
    background-color: #61dafb;
    border: none;
    color: white;
    padding: 10px 20px;
    text-align: center;
    text-decoration: none;
    display: inline-block;
    font-size: 16px;
    margin-top: 10px;
    cursor: pointer;
}
```

```
button:hover {  
    background-color: #21a1f1;  
}  
  
ul {  
    list-style-type: none;  
    padding: 0;  
}  
  
li {  
    background-color: white;  
    margin: 10px 0;  
    padding: 10px;  
    border: 1px solid #ddd;  
    border-radius: 4px;  
}  
  
video {  
    display: block;  
    margin-top: 20px;  
    max-width: 100%;  
}
```