

# Flask Project

Intelligenza artificiale e tecnologie web  
2024

# Welcome to the Homepage

This is the main page of the website.

[About](#) | [Contact](#)

## About Us

This is the about page.

[Home](#) | [Contact](#)

## Contact Us

You can contact us at:

Email: [example@email.com](mailto:example@email.com)

[Home](#) | [About](#)

```
M+ README.md  app.py  about.html  contact.html
1  from flask import Flask, render_template
2
3  app = Flask(__name__)
4
5  @app.route('/')
6  def index():
7      return render_template('index.html')
8
9  @app.route('/about')
10 def about():
11     return render_template('about.html')
12
13 @app.route('/contact')
14 def contact():
15     return render_template('contact.html')
16
17 if __name__ == '__main__':
18     app.run(debug=True)
```

# Welcome to the Homepage

This is the main page of the website.

[About](#) | [Contact](#)

## About Us

This is the about page.

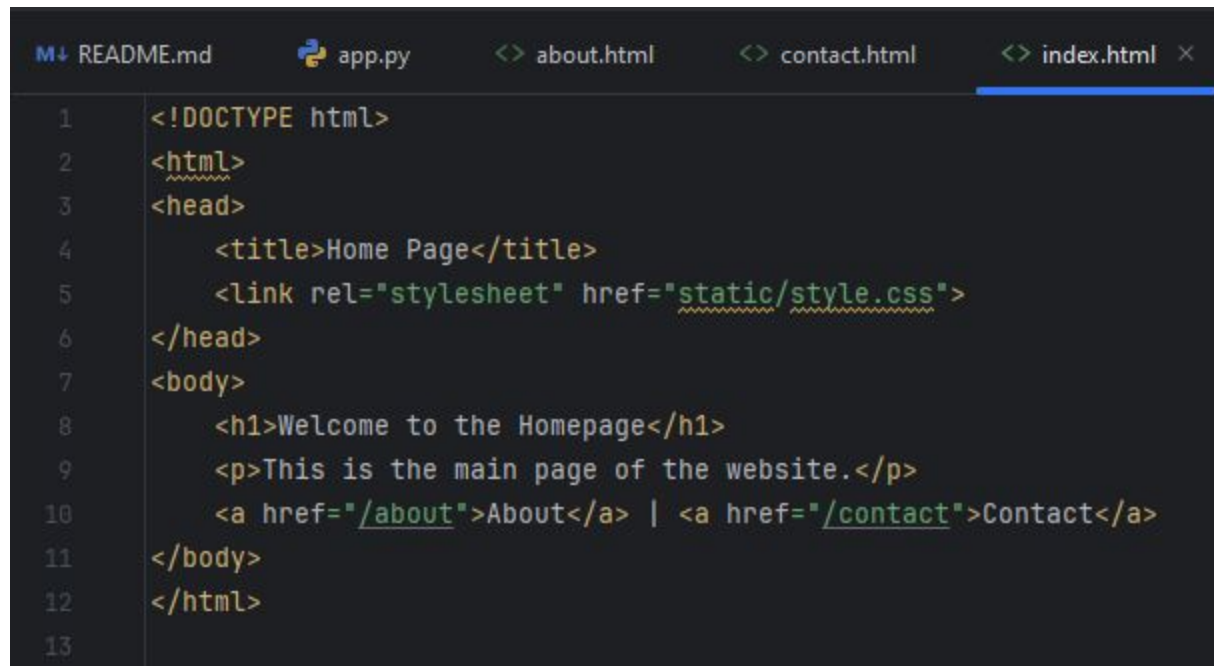
[Home](#) | [Contact](#)

## Contact Us

You can contact us at:

Email: [example@email.com](mailto:example@email.com)

[Home](#) | [About](#)

A screenshot of a code editor with a dark theme. The editor has four tabs at the top: 'README.md', 'app.py', 'about.html', and 'contact.html'. The 'index.html' tab is selected and highlighted with a blue underline. The code in the editor is HTML for a homepage. It starts with a DOCTYPE declaration, followed by the html, head, and body tags. The head contains a title 'Home Page' and a link to a stylesheet 'static/style.css'. The body contains a heading 'Welcome to the Homepage', a paragraph 'This is the main page of the website.', and a navigation bar with links to '/about' and '/contact'. Line numbers 1 through 13 are visible on the left side of the code block.

```
1 <!DOCTYPE html>
2 <html>
3 <head>
4     <title>Home Page</title>
5     <link rel="stylesheet" href="static/style.css">
6 </head>
7 <body>
8     <h1>Welcome to the Homepage</h1>
9     <p>This is the main page of the website.</p>
10    <a href="/about">About</a> | <a href="/contact">Contact</a>
11 </body>
12 </html>
13
```

# Welcome to the Homepage

This is the main page of the website.

[About](#) | [Contact](#)

## About Us

This is the about page.

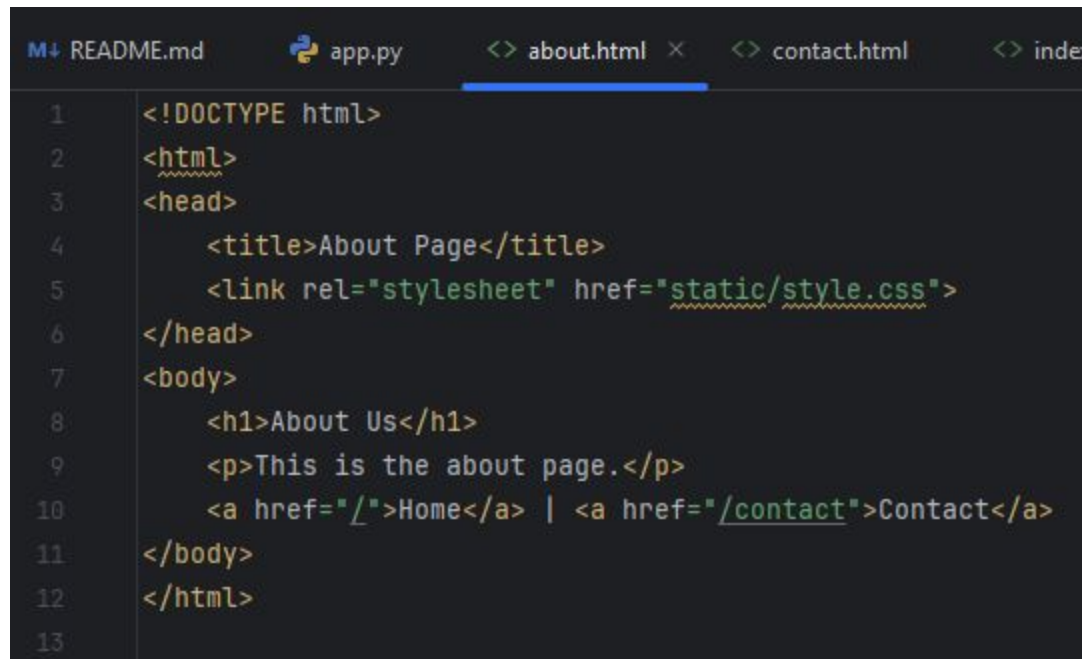
[Home](#) | [Contact](#)

## Contact Us

You can contact us at:

Email: [example@email.com](mailto:example@email.com)

[Home](#) | [About](#)



```
1 <!DOCTYPE html>
2 <html>
3 <head>
4     <title>About Page</title>
5     <link rel="stylesheet" href="static/style.css">
6 </head>
7 <body>
8     <h1>About Us</h1>
9     <p>This is the about page.</p>
10    <a href="/">Home</a> | <a href="/contact">Contact</a>
11 </body>
12 </html>
13
```

# Welcome to the Homepage

This is the main page of the website.

[About](#) | [Contact](#)

## About Us

This is the about page.

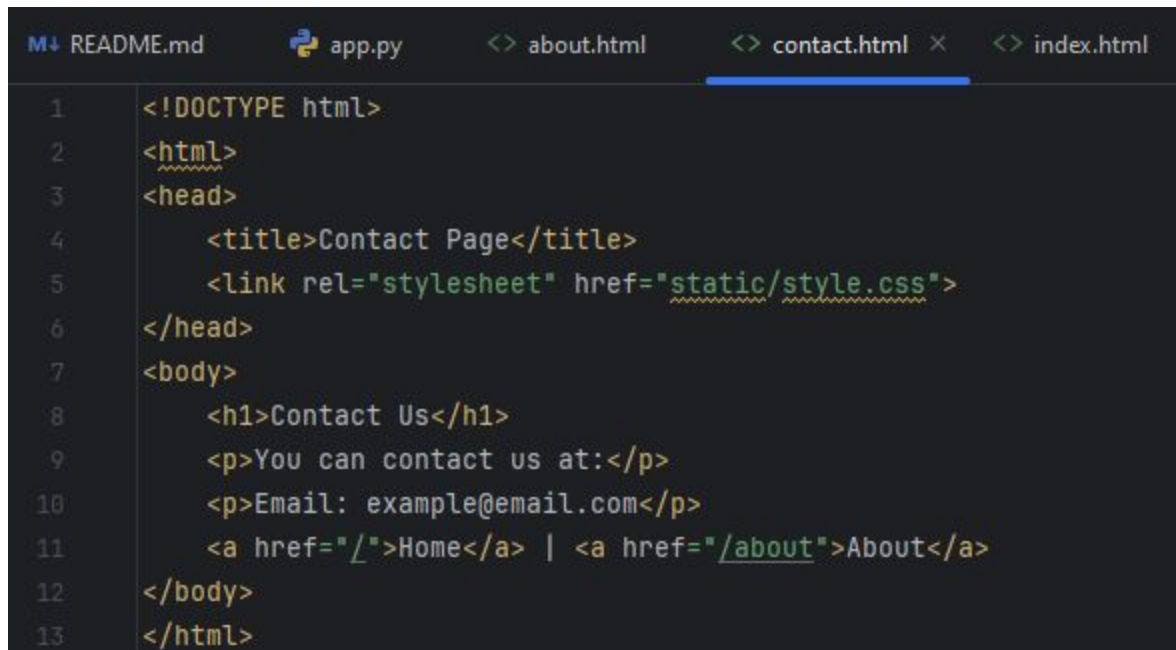
[Home](#) | [Contact](#)

## Contact Us

You can contact us at:

Email: [example@email.com](mailto:example@email.com)

[Home](#) | [About](#)

A screenshot of a code editor with a dark theme. The editor has several tabs at the top: 'README.md', 'app.py', 'about.html', 'contact.html' (which is the active tab and highlighted with a blue underline), and 'index.html'. The code in the active tab is HTML for a contact page. It starts with a DOCTYPE declaration, followed by the html, head, and body tags. The head contains a title 'Contact Page' and a link to a stylesheet 'static/style.css'. The body contains an h1 'Contact Us', a paragraph 'You can contact us at:', another paragraph 'Email: example@email.com', and a navigation bar with links for 'Home' and 'About' (the 'About' link is underlined).

```
1 <!DOCTYPE html>
2 <html>
3 <head>
4     <title>Contact Page</title>
5     <link rel="stylesheet" href="static/style.css">
6 </head>
7 <body>
8     <h1>Contact Us</h1>
9     <p>You can contact us at:</p>
10    <p>Email: example@email.com</p>
11    <a href="/">Home</a> | <a href="/about">About</a>
12 </body>
13 </html>
```

# Welcome to the Homepage

This is the main page of the website.

[About](#) | [Contact](#)

## About Us

This is the about page.

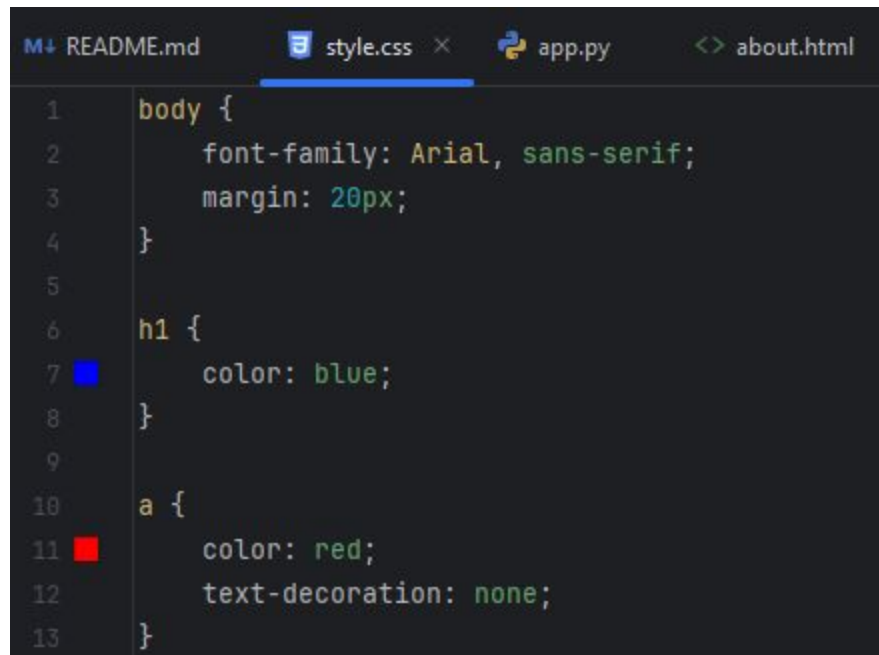
[Home](#) | [Contact](#)

## Contact Us

You can contact us at:

Email: [example@email.com](mailto:example@email.com)

[Home](#) | [About](#)


A screenshot of a code editor with a dark theme. The editor has four tabs at the top: 'README.md' (with a blue 'M' icon), 'style.css' (with a blue icon and a close button), 'app.py' (with a Python logo icon), and 'about.html' (with a green '<>' icon). The 'style.css' tab is active and highlighted with a blue underline. The code in the editor is CSS for a web page. It includes a 'body' selector with 'font-family: Arial, sans-serif;' and 'margin: 20px;'. It also includes an 'h1' selector with 'color: blue;'. Finally, it includes an 'a' selector with 'color: red;' and 'text-decoration: none;'. Line numbers 1 through 13 are visible on the left side of the code block.

```
1 body {  
2     font-family: Arial, sans-serif;  
3     margin: 20px;  
4 }  
5  
6 h1 {  
7     color: blue;  
8 }  
9  
10 a {  
11     color: red;  
12     text-decoration: none;  
13 }
```


# Richieste

Creare una nuova pagina con la presentazione del team


Meet Our Team



**John Doe**  
Founder and CEO  
john@company.com



**Jane Smith**  
COO  
jane@company.com



**Bob Johnson**  
Lead Engineer  
bob@company.com

[Home](#) | [About](#) | [Contact](#)

# Richieste

Creare una nuova pagina con la presentazione del team

```
1 <!DOCTYPE html>
2 <html>
3 <head>
4   <title>Our Team</title>
5   <link rel="stylesheet" href="static/style.css">
6 </head>
7 <body>
8 <h1>Meet Our Team</h1>
9 <div class="team-member">
10   
11   <h2>John Doe</h2>
12   <p>Founder and CEO</p>
13   <p>john@company.com</p>
14 </div>
15
16 <div class="team-member">
17   
18   <h2>Jane Smith</h2>
19   <p>COO</p>
20   <p>jane@company.com</p>
21 </div>
22 |
23 <div class="team-member">
24   
25   <h2>Bob Johnson</h2>
26   <p>Lead Engineer</p>
27   <p>bob@company.com</p>
28 </div>
29
30 <a href="/">Home</a> | <a href="/about">About</a> | <a href="/contact">Contact</a>
31 </body>
32 </html>
```



# Richieste

Creare una nuova pagina con la presentazione del team

```
14
15  ✓ .team-member img {
16      width: 200px; /* Set fixed width */
17      height: 200px; /* Set fixed height */
18      object-fit: cover; /* This ensures the image covers the area without distortion */
19      border-radius: 50%; /* This makes the images circular */
20  }
21
22  ✓ .team-member {
23      margin: 20px 0;
24      text-align: center;
25  }
```

# Caricare i membri del team dal server

```

@/team
@app.route('/team')
def team():
    team_members = [
        {
            'name': 'John Doe',
            'position': 'Founder and CEO',
            'email': 'john@company.com',
            'image': 'john-doe.jpg'
        },
        {
            'name': 'Jane Smith',
            'position': 'COO',
            'email': 'jane@company.com',
            'image': 'jane-smith.jpg'
        },
        {
            'name': 'Bob Johnson',
            'position': 'Lead Engineer',
            'email': 'bob@company.com',
            'image': 'bob-johnson.jpeg'
        }
    ]
    return render_template(template_name_or_list='team.html', team_members=team_members)

```

# Caricare i membri del team dal server

```
1  <!DOCTYPE html>
2  <html>
3  <head>
4      <title>Our Team</title>
5      <link rel="stylesheet" href="static/style.css">
6  </head>
7  <body>
8      <h1>Meet Our Team</h1>
9
10     {% for member in team_members %}
11     <div class="team-member">
12         
13         <h2>{{ member.name }}</h2>
14         <p>{{ member.position }}</p>
15         <p>{{ member.email }}</p>
16     </div>
17     {% endfor %}
18
19     <a href="/">Home</a> | <a href="/about">About</a> | <a href="/contact">Contact</a>
20 </body>
21 </html>
```

# Caricare i membri del team dal server - da file



The screenshot shows a code editor with a dark theme. The top bar displays several open files: README.md, style.css, app.py, about.html, contact.html, team.html, and team.csv. The team.csv file is currently selected and active. It contains a CSV file with four lines of data. The first line is a header with columns: name, position, email, and image. The subsequent three lines contain data for John Doe, Jane Smith, and Bob Johnson, respectively. The text is color-coded: names are yellow, positions are red, emails are purple, and image filenames are green.

name	position	email	image
John Doe	Founder and CEO	john@company.com	john-doe.jpg
Jane Smith	COO	jane@company.com	jane-smith.jpg
Bob Johnson	Lead Engineer	bob@company.com	bob-johnson.jpg

# Caricare i membri del team dal server - da file

```
1  from flask import Flask, render_template
2  import csv
3  import os
```

```
23  def load_team_data(): 1 usage
24      team_members = []
25      csv_path = os.path.join(os.path.dirname(__file__), 'static/team.csv')
26
27      try:
28          with open(csv_path, mode='r', encoding='utf-8') as csv_file:
29              csv_reader = csv.DictReader(csv_file)
30              for row in csv_reader:
31                  team_members.append(row)
32          return team_members
33      except FileNotFoundError:
34          print(f"Warning: {csv_path} not found")
35          return []
36      except Exception as e:
37          print(f"Error loading team data: {e}")
38          return []
39
```

## Caricare i membri del team dal server - da file


```
37  @app.route('/team')
38  def team():
39      team_members = load_team_data()
40      return render_template(template_name_or_list: 'team.html', team_members=team_members)
```

# Utilizzo dei template

```
M+ README.md style.css app.py <> base.html x <> about.html <> contact.html <> team.html team.csv

1 <!DOCTYPE html>
2 <html>
3 <head>
4     <title>{% block title %}{% endblock %}</title>
5     <link rel="stylesheet" href="{{ url_for('static', filename='style.css') }}">
6 </head>
7 <body>
8     <nav class="navbar">
9         <div class="nav-links">
10             <a href="/" {% if request.path == '/' %}class="active"{% endif %}>Home</a>
11             <a href="/about" {% if request.path == '/about' %}class="active"{% endif %}>About</a>
12             <a href="/team" {% if request.path == '/team' %}class="active"{% endif %}>Team</a>
13             <a href="/contact" {% if request.path == '/contact' %}class="active"{% endif %}>Contact</a>
14         </div>
15     </nav>
16
17     <div class="content">
18         {% block content %}
19         {% endblock %}
20     </div>
21
22     <footer>
23         <p>&copy; 2024 Your Company. All rights reserved.</p>
24     </footer>
25 </body>
26 </html>
27
```

# Utilizzo dei template

```
1 {% extends "base.html" %}
2
3 {% block title %}Home{% endblock %}
4
5 {% block content %}
6     <h1>Welcome to the Homepage</h1>
7      <p>This is the main page of the website.</p>
8 {% endblock %}
```



# Creare un proprio stile in *style.css*

```
M+ README.md style.css x app.py <> base.html
1 body {
2   font-family: Arial, sans-serif;
3   margin: 0;
4   padding: 0;
5   min-height: 100vh;
6   display: flex;
7   flex-direction: column;
8 }
9
10 .navbar {
11   background-color: #333;
12   padding: 1rem;
13   margin-bottom: 2rem;
14 }
15
16 .nav-links {
17   text-align: center;
18 }
19
20 .nav-links a {
21   color: white;
22   text-decoration: none;
23   padding: 0.5rem 1rem;
24   margin: 0 0.5rem;
25 }
```

```
M+ README.md style.css x app.py <> base.html
26
27 .nav-links a:hover {
28   background-color: #555;
29   border-radius: 4px;
30 }
31
32 .nav-links a.active {
33   background-color: #555;
34   border-radius: 4px;
35 }
36
37 .content {
38   flex: 1;
39   width: 80%;
40   margin: 0 auto;
41   padding: 0 1rem;
42 }
43
44 h1 {
45   color: #333;
46   text-align: center;
47   margin-bottom: 2rem;
48 }
```

```
50 .team-member img {
51   width: 200px;
52   height: 200px;
53   object-fit: cover;
54   border-radius: 50%;
55 }
56
57 .team-member {
58   margin: 20px 0;
59   text-align: center;
60 }
61
62 footer {
63   background-color: #333;
64   color: white;
65   text-align: center;
66   padding: 1rem;
67   margin-top: 2rem;
68 }
```

# Creare un proprio stile in *style.css*

[Home](#) [About](#) [Team](#) [Contact](#)

## Meet Our Team



**John Doe**

Founder and CEO  
john@company.com



**Jane Smith**

COO  
jane@company.com



**Bob Johnson**

Lead Engineer  
bob@company.com