

Let's extend your FastAPI app to 3 pages Total:-

- Home (/)
- About (/about)
- Contact (/contact)

Here's a simple, working example of how to use **FastAPI with HTML templates** using **Jinja2**.

---

## 1. Install dependencies

### Open your command prompt

```
D:\>mkdir fastapi_website
```

```
D:\>cd fastapi_website
```

```
D:\fastapi_website> pip install fastapi uvicorn jinja2 python-multipart
```

As shown below :-

```
C:\WINDOWS\system32\cmd.exe - uvicorn main:app --reload
Microsoft Windows [Version 10.0.19045.6466]
(c) Microsoft Corporation. All rights reserved.

C:\Users\Big Data>
C:\Users\Big Data>d:

D:\>mkdir fastapi_website

D:\>cd fastapi_website

D:\fastapi_website>pip install fastapi uvicorn jinja2 python-multipart
Collecting fastapi
```

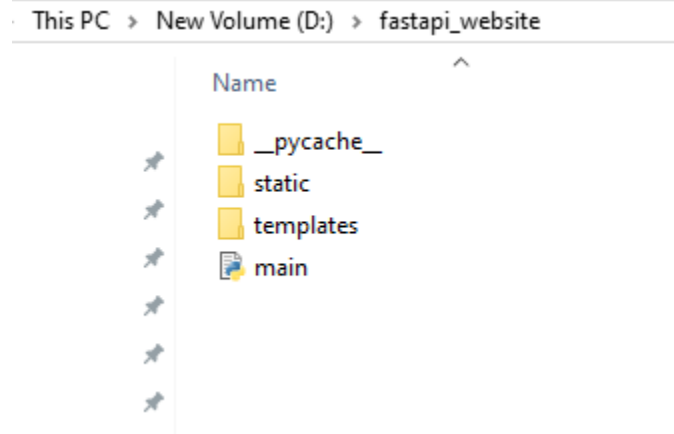
---

## □ Updated Project Structure

```
your_project/
├── main.py
```

```
├── templates/
│   ├── index.html
│   ├── about.html
│   └── contact.html
└── static/
    └── style.css
```

as shown below



## □ Updated main.py

```
from fastapi import FastAPI, Request
from fastapi.templating import Jinja2Templates
from fastapi.staticfiles import StaticFiles

app = FastAPI()

app.mount("/static", StaticFiles(directory="static"), name="static")

templates = Jinja2Templates(directory="templates")

@app.get("/")
def home(request: Request):
    return templates.TemplateResponse(
        "index.html",
        {"request": request, "title": "Home Page"}
    )

@app.get("/about")
def about(request: Request):
    return templates.TemplateResponse(
        "about.html",
        {"request": request, "title": "About Us"}
    )

@app.get("/contact")
def contact(request: Request):
    return templates.TemplateResponse(
        "contact.html",
        {"request": request, "title": "Contact Page"}
    )
```

---

## □ templates/index.html

```
<!DOCTYPE html>
<html>
<head>
  <title>{{ title }}</title>
</head>
<body>
  <h1>Home Page</h1>

  <a href="/about">About</a> |
  <a href="/contact">Contact</a>

  <p>Welcome to the Home Page!</p>
</body>
</html>
```

---

## □ templates/about.html

```
<!DOCTYPE html>
<html>
<head>
  <title>{{ title }}</title>
</head>
<body>
  <h1>About Page</h1>

  <a href="/">Home</a> |
  <a href="/contact">Contact</a>

  <p>This is the About page of the FastAPI app.</p>
</body>
</html>
```

---

## □ templates/contact.html

```
<!DOCTYPE html>
<html>
<head>
  <title>{{ title }}</title>
</head>
<body>
  <h1>Contact Page</h1>

  <a href="/">Home</a> |
  <a href="/about">About</a>

  <p>Contact us at: example@email.com</p>
</body>
</html>
```

---

## □ Run it

```
uvicorn main:app --reload
```

Open:

- <http://127.0.0.1:8000/>
- <http://127.0.0.1:8000/about>
- <http://127.0.0.1:8000/contact>

ChatGPT Home Page fastapi-crud-with-jinja2.html

Ask Gemini

127.0.0.1:8000

Verify that it's you Action required

# Home Page

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

Welcome to the FastAPI Home Page!

Activate Windows  
Go to Settings to activate Windows.

Type here to search

Humid 3:44 PM 5/8/2024