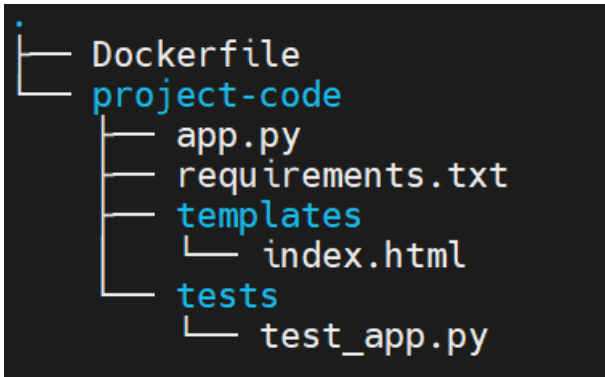


Flask project (Docker)



```
adham@master:/adhamjenkins$ mkdir /adhamjenkins/flaskProject
adham@master:/adhamjenkins$ cd /adhamjenkins/flaskProject
adham@master:/adhamjenkins/flaskProject$
adham@master:/adhamjenkins/flaskProject$ git init
hint: Using 'master' as the name for the initial branch. This default branch name
hint: is subject to change. To configure the initial branch name to use in all
hint: of your new repositories, which will suppress this warning, call:
hint:
hint:   git config --global init.defaultBranch <name>
hint:
hint: Names commonly chosen instead of 'master' are 'main', 'trunk' and
hint: 'development'. The just-created branch can be renamed via this command:
hint:
hint:   git branch -m <name>
Initialized empty Git repository in /adhamjenkins/flaskProject/.git/
adham@master:/adhamjenkins/flaskProject$
```

```
1  FROM python:3.9-slim
2
3  WORKDIR /app
4
5  COPY /project-code /app
6
7  RUN pip install --no-cache-dir -r requirements.txt
8
9  EXPOSE 5000
10
11  # Define the environment variable for Flask (or your app)
12  ENV FLASK_APP=app.py
13
14  CMD ["python", "app.py"]
```

```
adham@master:/adhamjenkins/flaskProject$
adham@master:/adhamjenkins/flaskProject$ vim Dockerfile
adham@master:/adhamjenkins/flaskProject$
```

```

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', message="Hello I am Adham")
8
9  if __name__ == "__main__":
10     app.run(host="0.0.0.0", port=5000)

```

```

adham@master:/adhamjenkins/flaskProject$ mkdir /adhamjenkins/flaskProject/project-code
adham@master:/adhamjenkins/flaskProject$ cd /adhamjenkins/flaskProject/project-code
adham@master:/adhamjenkins/flaskProject/project-code$

```

```

1  Flask>=2.2.0
2  pytest==7.4.2
3  pytest-flask>=1.2.0
4  Werkzeug>=2.2.2
5  click>=8.0
6  Jinja2>=3.0
7  importlib-metadata>=3.6.0
8  itsdangerous>=2.0

```

```

adham@master:/adhamjenkins/flaskProject/project-code$ vim requirements.txt
adham@master:/adhamjenkins/flaskProject/project-code$

```

```

adham@master:/adhamjenkins/flaskProject/project-code$ mkdir templates
adham@master:/adhamjenkins/flaskProject/project-code$ cd templates
adham@master:/adhamjenkins/flaskProject/project-code/templates$

```

```

1  <!DOCTYPE html>
2  <html lang="en">
3  <head>
4      <meta charset="UTF-8">
5      <meta name="viewport" content="width=device-width, initial-scale=1.0">
6      <title>Flask App</title>
7  </head>
8  <body>
9      <h1>{{ message }}</h1>
10 </body>
11 </html>

```

```
adham@master:/adhamjenkins/flaskProject/project-code/templates$ vim index.html
adham@master:/adhamjenkins/flaskProject/project-code/templates$
adham@master:/adhamjenkins/flaskProject/project-code/templates$ cd ..
adham@master:/adhamjenkins/flaskProject/project-code$
adham@master:/adhamjenkins/flaskProject/project-code$ mkdir tests
adham@master:/adhamjenkins/flaskProject/project-code$ cd tests
```

```
1     import pytest
2     from app import app
3
4     @pytest.fixture
5     def client():
6         with app.test_client() as client:
7             yield client
8
9     ✓ def test_homepage(client):
10         """Test the homepage to ensure the message is rendered correctly."""
11         response = client.get('/')
12         assert response.status_code == 200
13         assert b"Hello I am Adham" in response.data
```

```
adham@master:/adhamjenkins/flaskProject/project-code/tests$ vim test_app.py
adham@master:/adhamjenkins/flaskProject/project-code/tests$
adham@master:/adhamjenkins/flaskProject/project-code/tests$
adham@master:/adhamjenkins/flaskProject/project-code/tests$ cd /adhamjenkins/flaskProject
adham@master:/adhamjenkins/flaskProject$ ls
Dockerfile  project-code
```

```
adham@master:/adhamjenkins/flaskProject$ git add .
adham@master:/adhamjenkins/flaskProject$
adham@master:/adhamjenkins/flaskProject$ git commit -m "initial commit"
[master (root-commit) d473533] initial commit
Committer: adham <adham@master.localdomain>
Your name and email address were configured automatically based
on your username and hostname. Please check that they are accurate.
You can suppress this message by setting them explicitly. Run the
following command and follow the instructions in your editor to edit
your configuration file:
```

```
git config --global --edit
```

After doing this, you may fix the identity used for this commit with:

```
git commit --amend --reset-author
```


```
5 files changed, 58 insertions(+)
create mode 100644 Dockerfile
create mode 100644 project-code/app.py
create mode 100644 project-code/requirements.txt
create mode 100644 project-code/templates/index.html
create mode 100644 project-code/tests/test_app.py
adham@master:/adhamjenkins/flaskProject$
```

Create a new repository

A repository contains all project files, including the revision history. Already have a project repository elsewhere? [Import a repository.](#)

Required fields are marked with an asterisk (*).

Owner *

 AdhmAbdein ▾

Repository name *

/ flask-project

✔ flask-project is available.

Great repository names are short and memorable. Need inspiration? How about **solid-meme** ?

Description (optional)

☒  Public

Anyone on the internet can see this repository. You choose who can commit.

☐  Private

You choose who can see and commit to this repository.

Initialize this repository with:


☐ Add a README file



This is where you can write a long description for your project. [Learn more about READMEs.](#)




Add .gitignore



.gitignore template: **None** ▾


```
adham@master:/adhamjenkins/flaskProject$ git remote add origin https://github.com/AdhmAbdein/flask-project.git
adham@master:/adhamjenkins/flaskProject$ git push -u origin master
Username for 'https://github.com': AdhmAbdein
Password for 'https://AdhmAbdein@github.com':
Enumerating objects: 10, done.
Counting objects: 100% (10/10), done.
Delta compression using up to 2 threads
Compressing objects: 100% (7/7), done.
Writing objects: 100% (10/10), 1.27 KiB | 162.00 KiB/s, done.
Total 10 (delta 0), reused 0 (delta 0), pack-reused 0
To https://github.com/AdhmAbdein/flask-project.git
 * [new branch]      master -> master
branch 'master' set up to track 'origin/master'.
adham@master:/adhamjenkins/flaskProject$
```


 flask-project Public


 Pin  Unwatch

 master  1 Branch  0 Tags

 Add file  Code


 adham initial commit

d473533 · 10 minutes ago  1 Commit

 project-code


initial commit

10 minutes ago

 Dockerfile

initial commit

10 minutes ago

 README

```
1 pipeline {
2
3   agent {label 'node1'}
4
5   environment {
6     docker_img = 'adhmabdein/myflaskimg'
7   }
8
9   stages {
10
11     stage('pull code from github'){
12       steps{
13         script{
14           git "https://github.com/AdhmAbdein/flask-project.git"
15           //git switch master
16         }
17       }
18     }
19     stage('docker hub log in'){
20       steps{
21         script{
22           withCredentials([usernamePassword(credentialsId:'docker_hub' , usernameVariable:'d_hub_usr' , passwordVariable:'d_hub_pass')]){
23             sh 'docker login -u ${d_hub_usr} -p ${d_hub_pass}'
24           }
25         }
26       }
27     }
28     stage('build docker image'){
29       steps{
30         script{
31           sh 'docker build -t ${docker_img} -f Dockerfile .'
32           sh 'docker push ${docker_img}'
33         }
34       }
35     }
36     stage('CD'){
37       steps{
38         script{
39           sh 'docker run -it -d --name flask_cont -p 5000:5000 ${docker_img}'
40         }
41       }
42     }
43     stage('Test') {
44       steps {
45         script {
46           sh 'docker exec flask_cont bash -c "export PYTHONPATH=/app:$PYTHONPATH && pytest /app/tests/test_app.py"'
47         }
48       }
49     }
50   }
51 }
```



flask-pipeline

Permalinks

- Last build (#57), 3 min 12 sec ago
- Last stable build (#57), 3 min 12 sec ago
- Last successful build (#57), 3 min 12 sec ago
- Last failed build (#56), 6 min 57 sec ago
- Last unsuccessful build (#56), 6 min 57 sec ago
- Last completed build (#57), 3 min 12 sec ago

S	W	Name ↓	Last Success	Last Failure	Last Duration	
✓	☁️⚡	flask-pipeline	4 min 0 sec #57	7 min 45 sec #56	18 sec	▶



⚠ Not secure 192.1 [REDACTED]:5000



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Home



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Hello I am Adham




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adhmabdein/myflaskimg

By [adhmabdein](#) · Updated 7 minutes ago