# Starting a Flask Project from Scratch

Follow these steps to create a basic Flask project:

# 1. Install Python

Ensure Python is installed on your system. You can download it from python.org.

### 2. Set Up a Virtual Environment

```
# Create a virtual environment
python -m venv venv

# Activate the virtual environment
# On Windows:
venv\Scripts\activate
# On macOS/Linux:
source venv/bin/activate
```

### 3. Install Flask

```
pip install flask
```

### 4. Create the Project Structure

# 5. Write Your First Flask App

Create a file named run.py and add the following code:

```
from app import app

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

In the app/ directory, create a file named routes.py and add the following code:

```
from flask import Flask

app = Flask(__name__)

@app.route('/')
def home():
    return "Hello, Flask!"
```

# 6. Run the Application

```
python run.py
```

Visit http://127.0.0.1:5000 in your browser to see your app running.

### 7. Add More Features

- Use the templates/ folder for HTML files.
- Use the static/ folder for CSS, JavaScript, and images.
- Add database models in models.py.
- Add forms for user input in forms.py.
- Write tests in the tests/ folder.
- Use requirements.txt to track dependencies with pip freeze > requirements.txt.

#### 8. Learn More

Refer to the Flask Documentation for advanced topics.