

# Project Development using Flask Python

11th | 12th

Himanshu Ramchandani  
M.Tech | Data Science

## Contents :

- 1.Flask Overview
- 2.Environment Setup and Flask Installation
- 3.First Application
- 4.Creating Flask Endpoint
- 5.Working with Templates
- 6.Social Media Comments Template
- 7.Processing HTML Forms
- 8.Database Connectivity

You will file all the code of the session here:

<https://github.com/hemansnation/projectflaskpython>

## 1. Flask Overview

Flask is a micro framework written in python for web application development. It is a micro framework because it does not require tools and libraries.

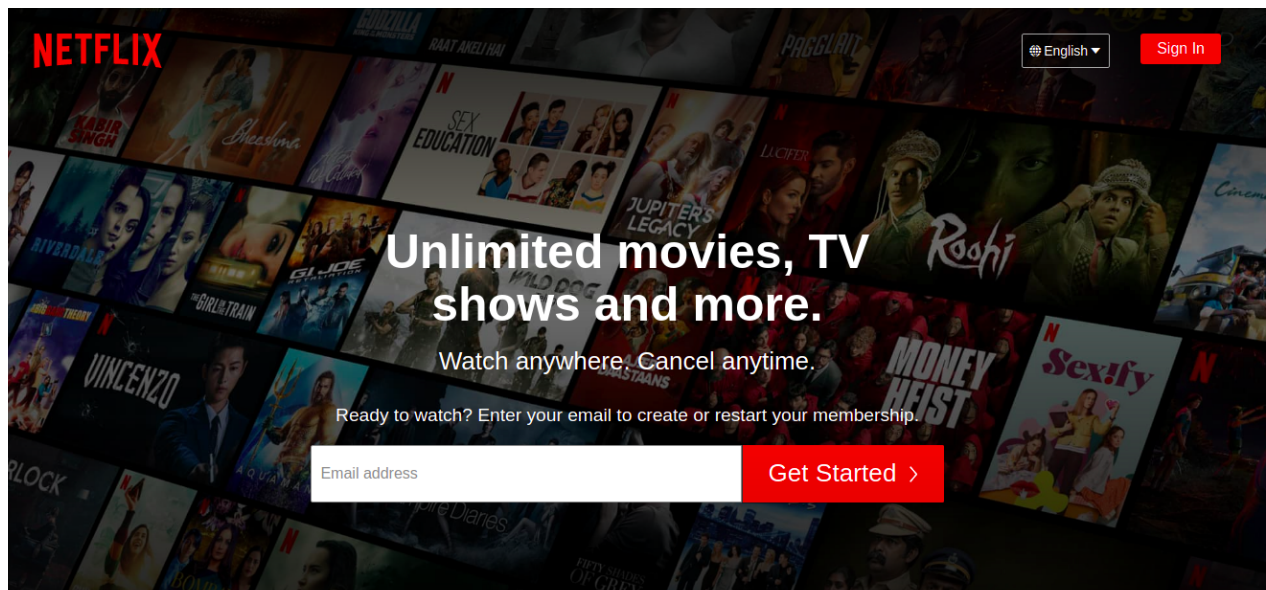


Where to find flask

<https://flask.palletsprojects.com/en/2.0.x/>

Who uses flask

- Netflix



## 2.Environment Setup and Flask Installation

First we have to create a python environment

- Create a Folder named **Project Development**
- Open Terminal or Command Prompt and go to the folder you just created **Project Development**.
- Now type this command

**pip install virtualenv**

- Create the virtual environment  
virtualenv environmentName

Using this command

**virtual mypython**

For Mac OS / Linux

**source mypython/bin/activate**

Windows

**mypython\Scripts\activate**

Once the environment is activated install some of the python packages

- pip install flask
- pip install flask\_mysqlldb

### 3. First Application

Create a file name **application.py**  
And start writing the code.

### 4. Creating Flask Endpoint

Endpoints are the pages where the website ends.  
An **endpoint** is the 'connection point' of an application.

It is created by

```
@app.route("/")
```

### 5. Working with templates

Templates are the User Interface pages built with HTML, CSS and JavaScript.

Template Structure of the Flask Project

- projectflaskpython/
  - templates/
    - index.html
  - application.py

## 6.Social Media Comments Template

Social Media Comments Template Structure of the Flask Project

```
- projectflaskpython/
  - static/
    - css/
      - sign.css
      - theme.css
      - bootstrap.min.css
      - bootstrap.theme.min.css
    - templates/
      - index.html
  - application.py
```

## 7.Processing HTML Forms

Getting data from HTML form and sending it to flask python backend.

## 8.Database Connectivity

We are using flask\_mysqlldb, which is already installed in our environment setup.

We use **freemysqlhosting** for online database, you can find it here

<https://www.freemysqlhosting.net/>

```
cur = mysql.connection.cursor()
cur.execute(''SELECT * FROM indore'')
```

All the code will be available here:

<https://github.com/hemansnation/projectflaskpython>

You can connect with me here

Instagram : [https://www.instagram.com/he\\_mans\\_nation/](https://www.instagram.com/he_mans_nation/)

LinkedIn : <https://www.linkedin.com/in/hemansnation/>

Want to Learn and Do Internship, Register Here:

<https://aiforsoul.com/>

Join our WhatsApp Group for more Training Sessions:

<https://chat.whatsapp.com/FTks2vJVGGKAvK4JSBDiRv>

Himanshu Ramchandani

M.Tech | Data Science