

Overview

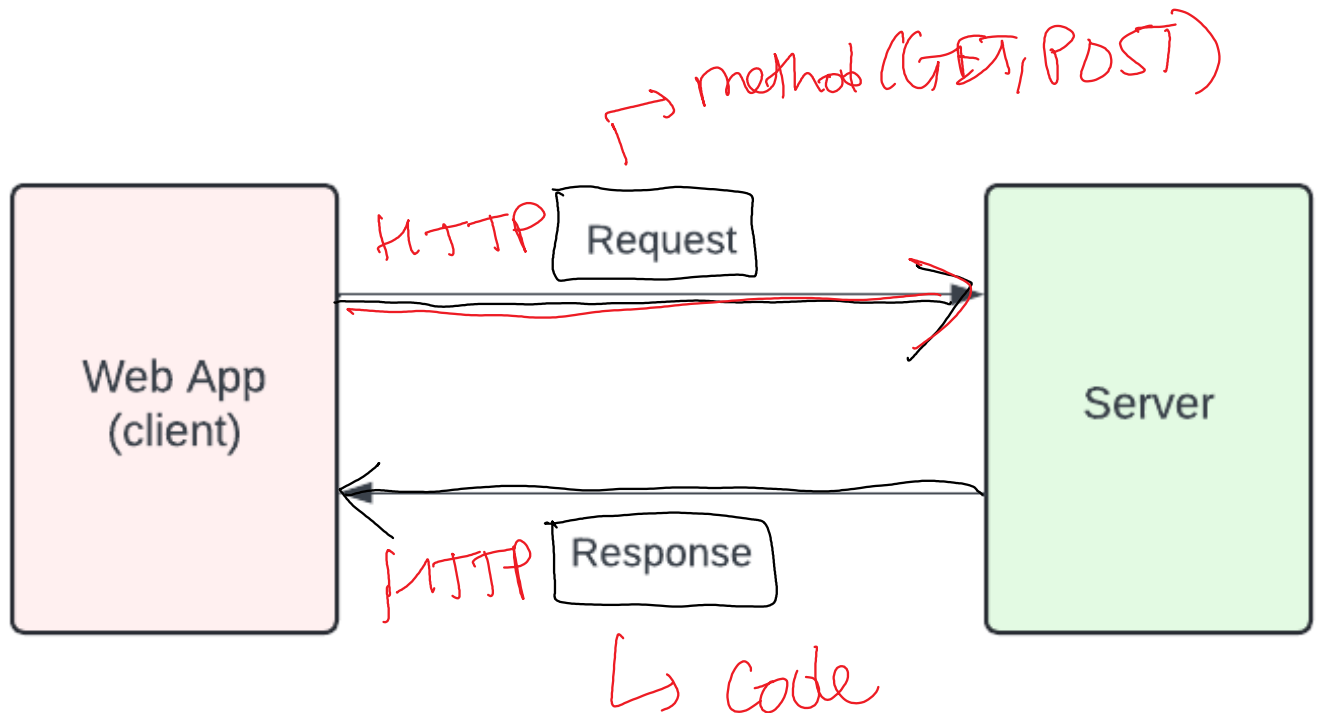
Saturday, May 11, 2024 5:52 AM

- 1. Course - Expectation, Outcome & Feedback**
- 2. Working of a Web App**
- 3. Flask - Introduction**
- 4. Prerequisites**
- 5. Demo - Web App using Flask**

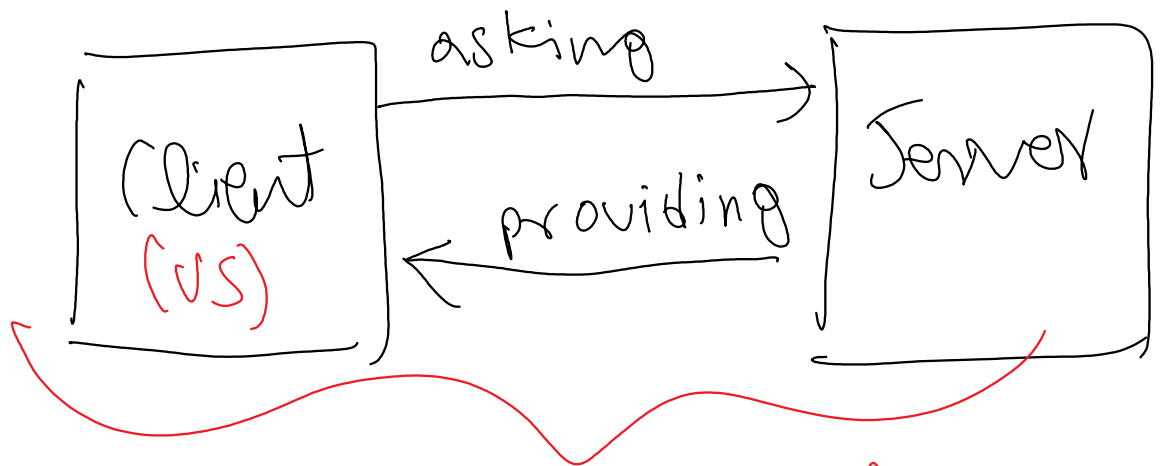
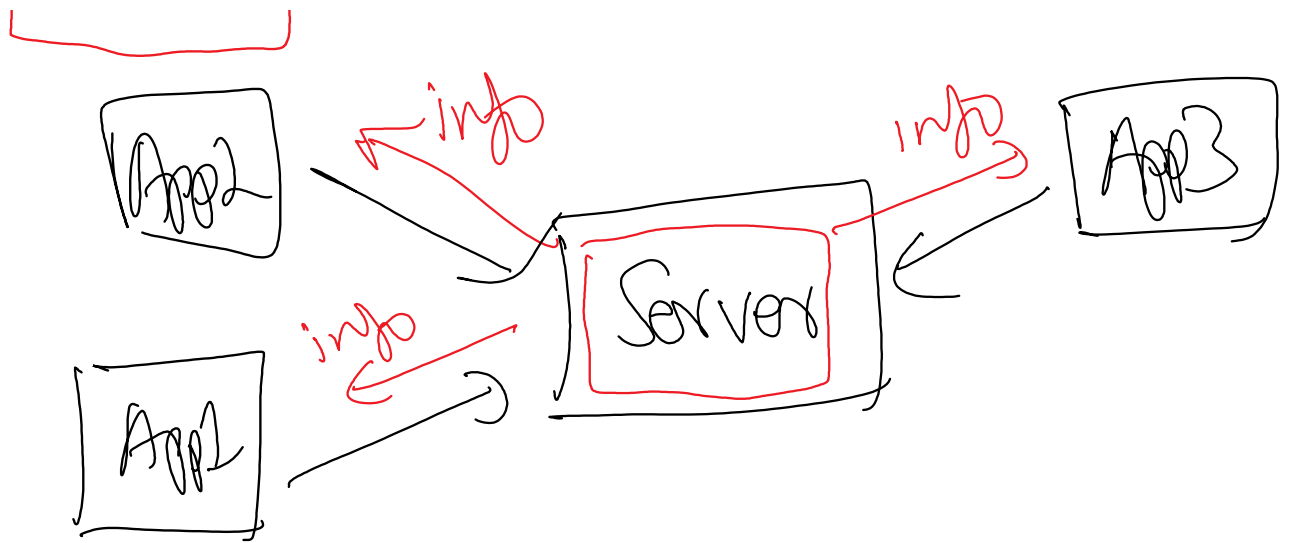
Working of Web Apps

Saturday, May 11, 2024 5:56 AM

Basic Working of a Web App:



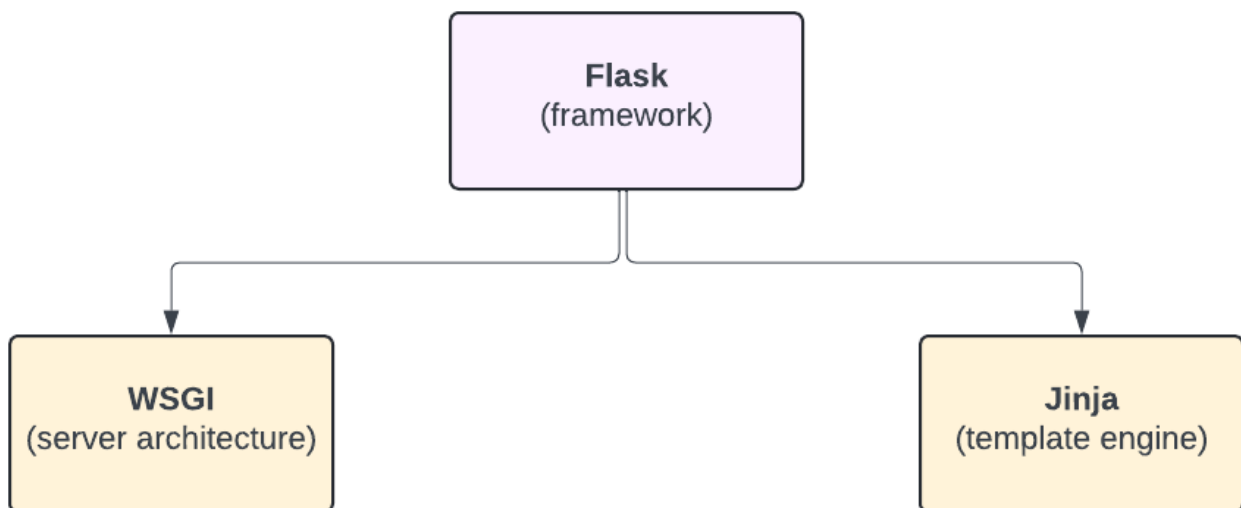
- **How to make a Web App ?**
 - Frameworks
- **Why make a Web App ?**
 - Exchange of information
- **"Exchange of Information" with What ?**
 - Server
 - What's a Server? *Computer System*
- **"Exchange of Information" - How ?**
 - Client - Server architecture
 - HTTP protocol



Client - Server Arch.

What is Flask?

- Flask is a web framework mainly used for creating and working with web applications using Python
- Flask is based on WSGI architecture and supports Jinja



What is WSGI?

- *Web Server Gateway Interface*
- An architecture to follow, for handling requests and responses between client & server

What is Jinja?

- *Web Template Engine*
- Allows to develop dynamic web pages
- Supports "*Template Inheritance*"
- Helps reduce repetitiveness and complexity in web page development

abc

Home

Offices

Emp

Coners

About

1. Endpoints Address of web pages

2. Path parameters & Query Parameters

- Path parameters are used for accessing a particular resource at an endpoint
- Query parameters are used for filtering the data received from an endpoint

3. HTTP Methods:

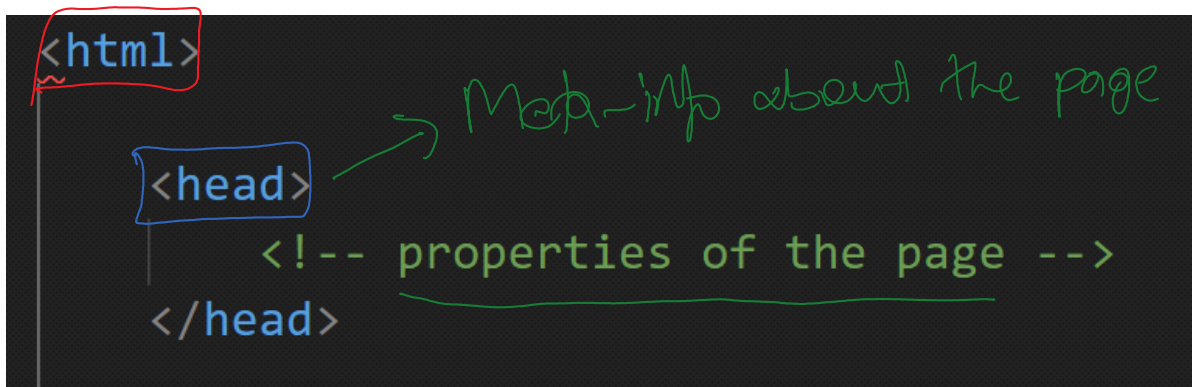
- POST → Create
- GET → Retrieve
- PUT → Update
- DELETE → Delete

4. HTTP Response Codes:

X → (0-9)

- 1xx - Informative
- 2xx - Success
- 3xx - Redirection
- 4xx - Client-side error
- 5xx - Server-side error

5. HTML Tags:

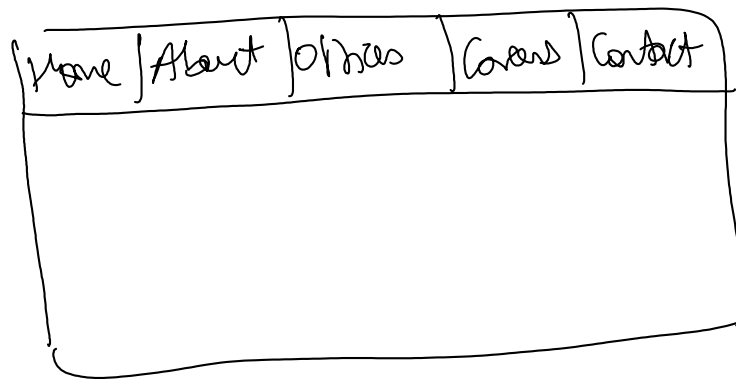


```

</head>
<body>
  <!-- contents of the page -->
</body>
</html>

```

page contents/structure



<https://www.abc.com>

<https://www.abc.com/offices>

<https://www.abc.com/employees>

<https://www.abc.com/employees/4>

<https://www.abc.com/emps?dep=sales&loc=cham>

Demo

Saturday, May 11, 2024

7:09 AM

1. Installation ✓

2. Create a Flask App ✓

3. Create Endpoints ✓

4. Start the Server ✓

5. What is meant by:

```
if __name__ == "__main__":  
    pass
```

6. Path Parameters

mod 1

```
__name__ == "__main__"  
  
mod2.__name__  
↳ "mod2"
```

mod 2

```
__name__ == "__main__"
```

mod 2. - name -
↳ mod 2^u

↓