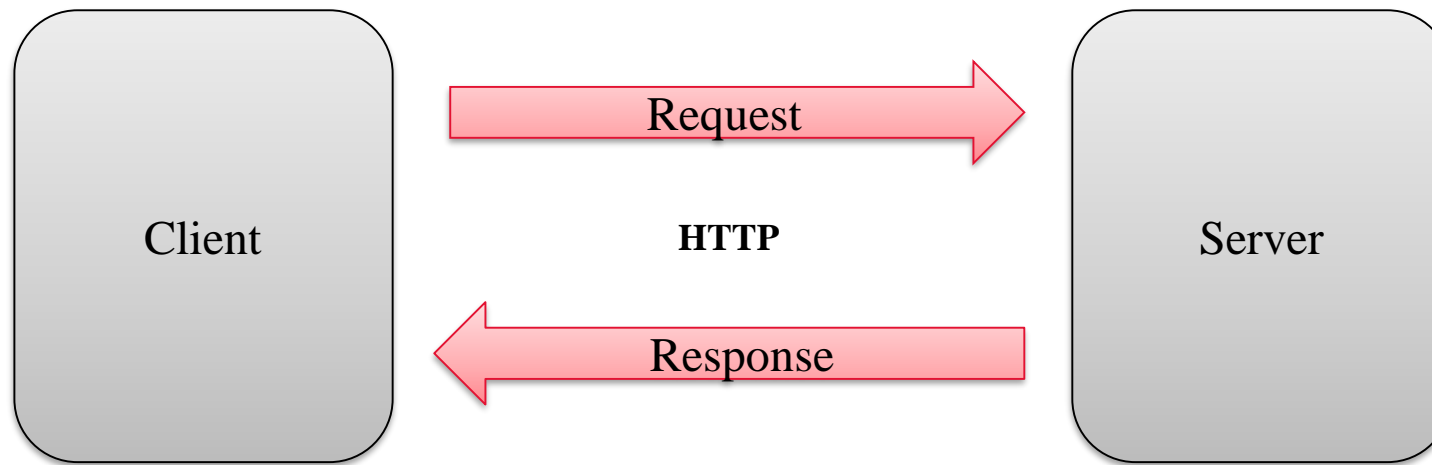


Module - 6

HttpGet, HttpPost

What is HTTP?

- HTTP stands for hypertext transfer protocol.
- This protocol works while working with a client-server application.
- This protocol provides communication between the client and the server.
- Whenever a client submits a request to a server, part of that request is an HTTP method, which is what the client would like the server to do with the specified resource.



HTTP verbs –

- HTTP provides methods (verbs) for the actions performed on a response.
- HTTP verbs are used on an action method. HTTP provides the following main verbs.
 - Get
 - Post
 - Put
 - Delete
- HTTP verbs are used on a action method.

Selecting The Appropriate Method –

A large portion of application functionality can be summed up in the acronym CRUD, which stands for Create, Read, Update, Delete. There are four HTTP methods that correspond to these actions, one for each, like so:

- C-Create-POST
- R-Read-GET
- U-Update-PUT
- D- Delete - DELETE

HTTP Get

- This verb is used to get existing data from the database.
- In HttpGet, data travels in the URL only.
- To use the HttpGet method, we use HttpGet attribute on the Action method.
- It is also the default HTTP verb.
- <https://localhost/employee/GetEmployee/1> => It will give us the data with Id = 1.
- <https://localhost/employee/GetEmployee?empid=1> => This works same as above.

```
[HttpGet]
0 references
public ActionResult GetEmployee()
{
    //Code
    return View();
}
```

HTTP Post

- This verb is used while we have to create a new resource in the database.
- In HttpPost, data travels in the URL and body.
- To use HttpPost method, we use HttpPost attribute on the Action method.
- <https://localhost/employee/NewEmp> => It will help us create a new employee data.

```
[HttpPost]
0 references
public ActionResult NewEmp()
{
    //Code
    return View();
}
```

HTTP Put

- This verb is used while we have to update an existing resource in the database.
- In HttpPut, the data travels in the URL and body.
- To use HttpPut method, we use HttpPut attribute on the Action method.
- <https://localhost/employee/EmpUpdate/1> => This will help us update the data at id=1.

```
[HttpPut]
0 references
public ActionResult EmpUpdate()
{
    //Code
    return View();
}
```

HTTP Delete

- This verb is used while we have to delete the existing resources in the database.
- In HttpDelete, data travels in the URL and body.
- To use HttpDelete, we use HttpDelete attribute on the Action method.
- <https://localhost/employee/EmpDelete/1> => This will help us delete the data at id=1.

```
[HttpDelete]
0 references
public ActionResult EmpDelete()
{
    //Code
    return View();
}
```



THANK YOU