Name of website | mup → Dir of WebApplication

"URL"

Client

Request : http://localhost:80/Index.html

Web Server

UI

HTML
+ CSS
+ JS
+ React
+ XML
+ JSON
+ Text

Response HTTP Packet

Browser

MyApp.

Dir 7
IETWeb
App

Render

http+
HTML

IIS, Kestral,
Apache, Live

header
body.

URL Req^st
HTTP method = GET,
POST,
PUT,
Delete

URL Resp
html,

Finitely Infinite

Client

—

Server

Emp []

"String" key-value
XML
JSON — { } "
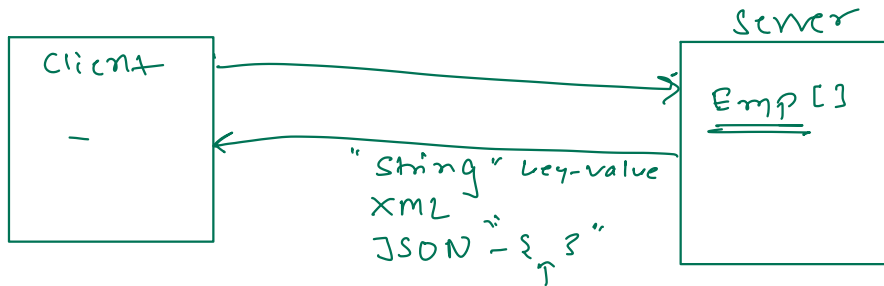
Classic ASP.

dev1 — design
dev2 — code

ASP. Net web forms

Pages · aspx ✓
· ashnx
· asp

Web
Server → entire O/P
Generate.

View State — bulky
— slow
Response

Client ———→ Server
80 IIS
↳ Search
for Pages

Page Controller Pattern

Asp. Net MVC

Finitely Infinite

· start point
HTTP Packet
↳ Customization

HTTP Respons

front Controller
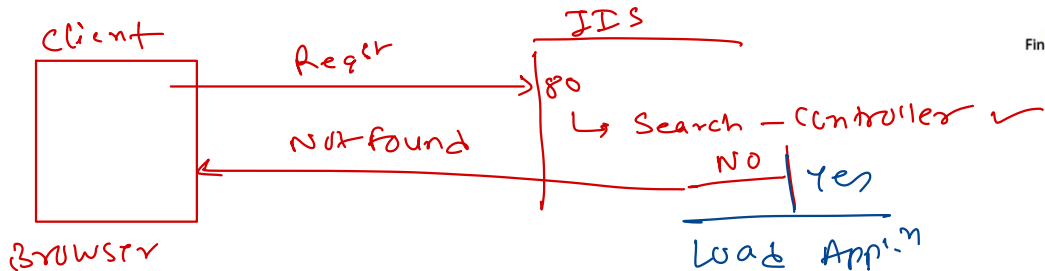pattern
MVC 5·0 versi.n
↳ MVC Core
6·0

Page Controller Pattern :—
Req.st given to Pages

Asp.Net Web forms

like
Index . aspx
. asmx
. ashx
. asp

Asp.Net MVC/Core :— Front Controller Pattern.
Req.st given to Controller

Client

Reqer

IIS

80

↳ Search — Controller ✓

Not found

NO | Yes

Load App^n

Browser

middleware — class
                    Components

lose coupling

X

mp ✓

Client   http://localhost:80/Home/Index   IIS

                                                    80

                                          1. Receive Req^st

                                          Routing

                  dont   http req^st packet
                  send   └> URL : //namewebsite/Home/Index

Response   chops the URL
                                string[] urlinputs = {"controller" = "Home",
                                                       "action" = "Index"}

                                        Search for Controller
                            No   yes
                                  urlinput[0] = "Home" + "Controller";
                                  urlinput[0] = "HomeController";

                        controllerObj. Action method ()
                                  └> Render → View [HTML]

Client /Home /Index → (80) IIS | kestral ✓

HTML ←

Response to client

Routing

split := "Home" + "index";
        [0]   [1]

Controller name = "[0] Home" + "Controller";

using Reflection call givento

class Controller Factory.

Factory method

Controller ctrObj = Obj. GetController("Home Controller")

| ctrObj. InvokeMember("index")

ViewEngine Factory ("Razor")

| obj. Render   // Call — ViewEngine()
    C# code
    + HTML
  └→ HTML

}

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