

MVC → open-source web App F/W
Core Web APIs
=



1.0 → 2015

2.0

— →

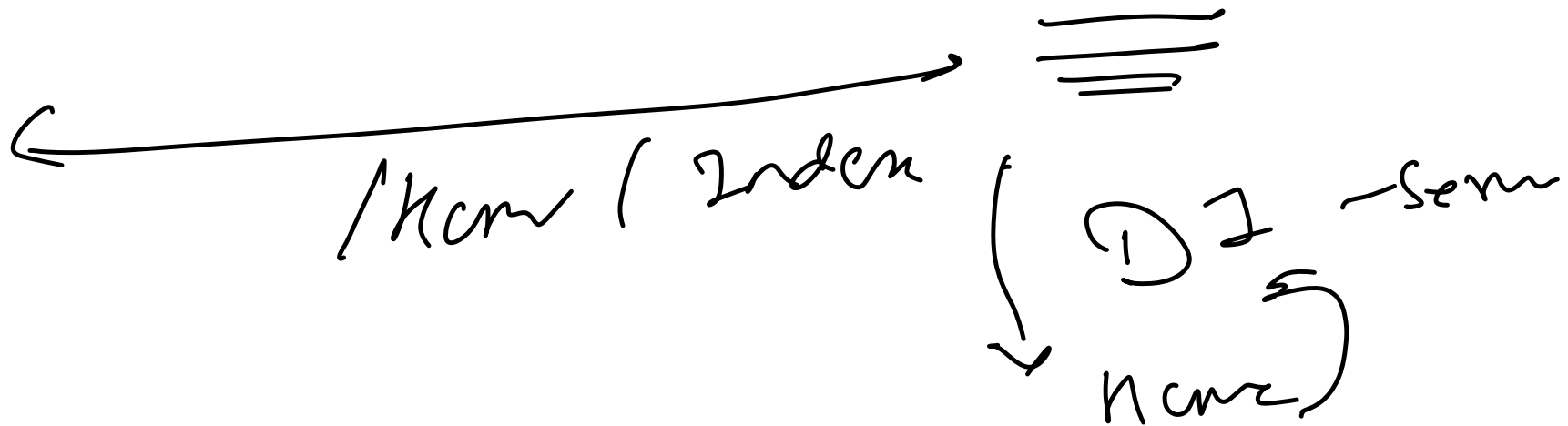
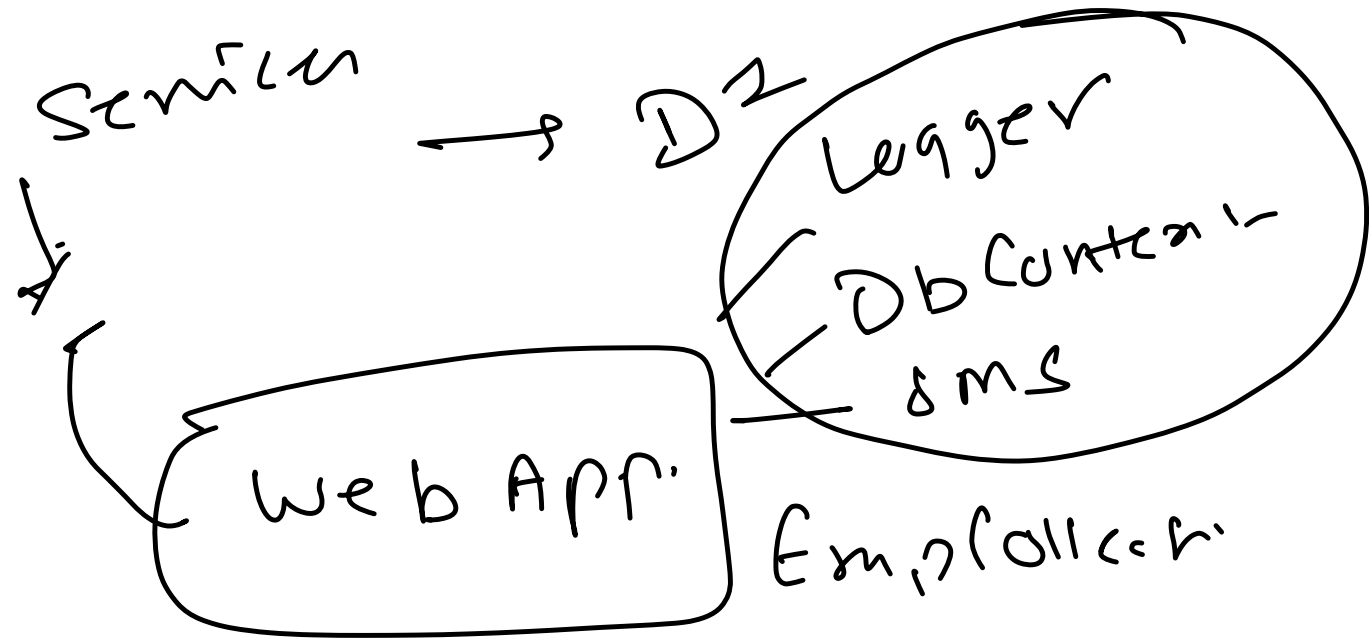
6.0 →

8.0 →

Model — View — Controller Architectural Based Design Pattern

based on this pattern Microsoft
has developed Asp.Net MVC Core
framework.

M — V — C



Client
Browser

/Home/ Index ✓

HTTP Request Packets



go

/Admin/ Index/ "Hugb"

2IS / Kestrel

HTTP Pipeline

HTTP context

Request . URL

"/Home/ Index"

Route checking
Route valid Route.

Compare

Routing Table ✓

Name
default

brs

brs2

Pattern

/controller / action

/controller / action / nm

/ctrl / action / un / pwd

client Browser → /Home/Index → 080 335 / lecture1

1. HTTP Pipeline
2. Route Collection Table map.

| name | pattern |
|-----------|------------------------|
| ✓ default | /controller/action |
| bv1 | /controller/action/id! |
| bv22 | /ctr/act/nml pwr |
| bv83 | /ctr/act/number. |

3. If URL matches with Route ^{template}

URL . split () → { "Home", "Index" }

↓
op → URL = { "HomeController", "Index" }

↳ Load CLR

↳ Microsoft.AspNetCore.Mvc.dll
load.

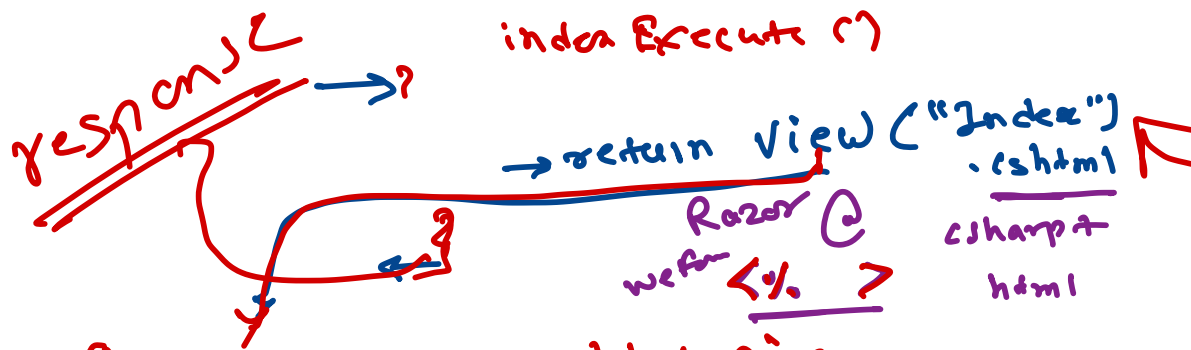
5. →

ControllerFactory factory = new ControllerFactory;

Controller controller = factory.GetController("HomeController");

↓
{
 ← controller.InvokeMember()
 method: "Index"
 params: new object[]

 // Execute()



① Find Index.cshtml file.

File.Exists("~/Views/Home/Index.cshtml")
 → Syntax @ → Razor view engine

ViewEngineFactory fac -
 new ViewEngineFactory()
 ViewEngine ve = fac. GetViewEngine("Razor")

ve. Render()
 read file Index.cshtml

HTML Template

```
<html>
  <table>
    <tr>
      <td>Rough</td>
    </tr>
  </table>
```

call CLR
 List Comp
 .count = 5

View Engine + CLR creates a
 blend_

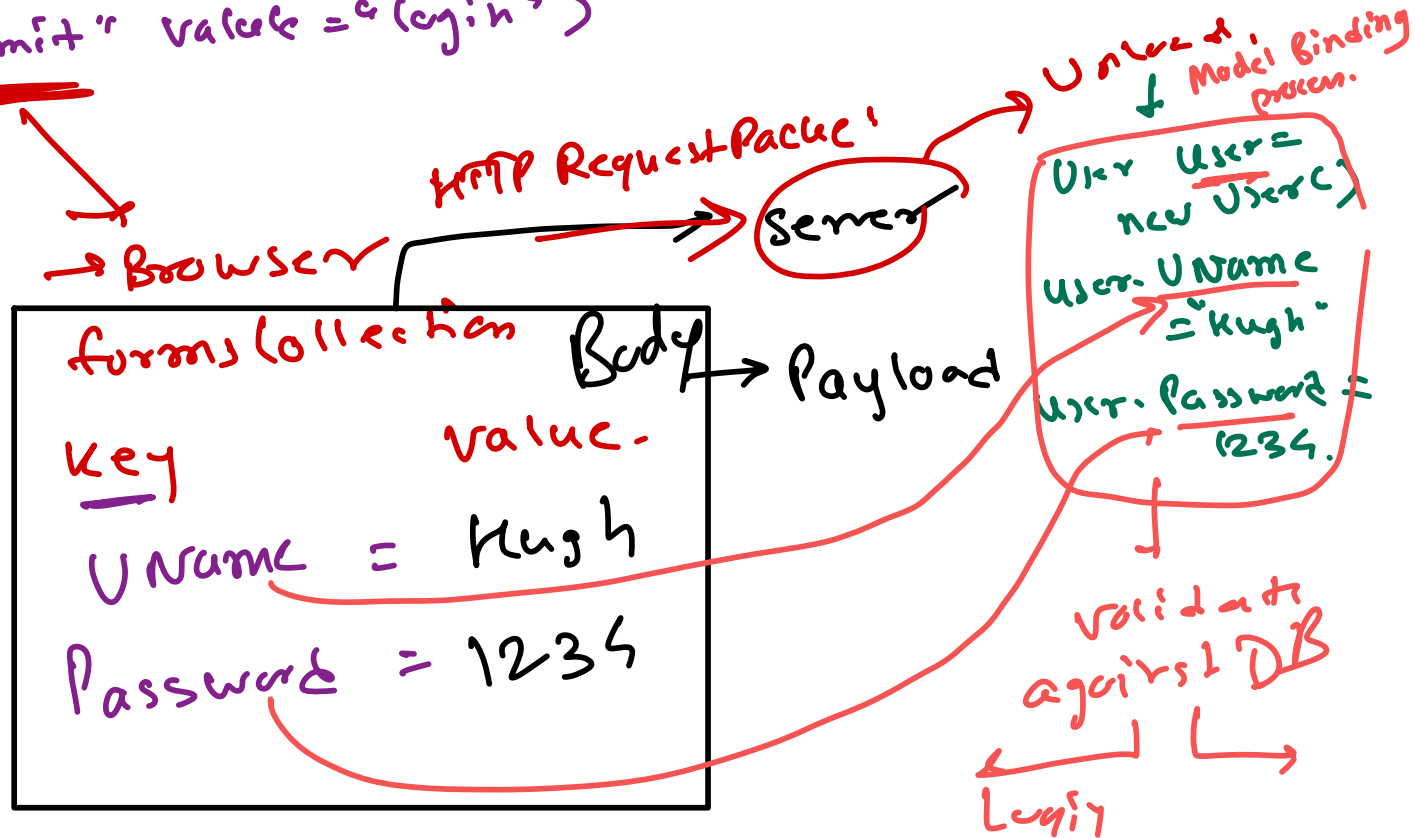
```
{ form action: "/Home/GetNewUserDetails"
  method = "post" }
```

```
<label for="UName" >UName </label>
<input type="text" name="UName" />
<label for="Password" >Password </label>
<input type="password" name="Password" />
<input type="submit" value="login" />
</form>
```

```
class User
{
    prop. string UName
    prop string
    password.
}
```

UName

Password



```
public ActionResult ValidateUser(User user)
{
    if (user.UserName == "Kugh" &&
        user.Password == "1234")
    {
                 → see login
    }
}
```

Model Binder.