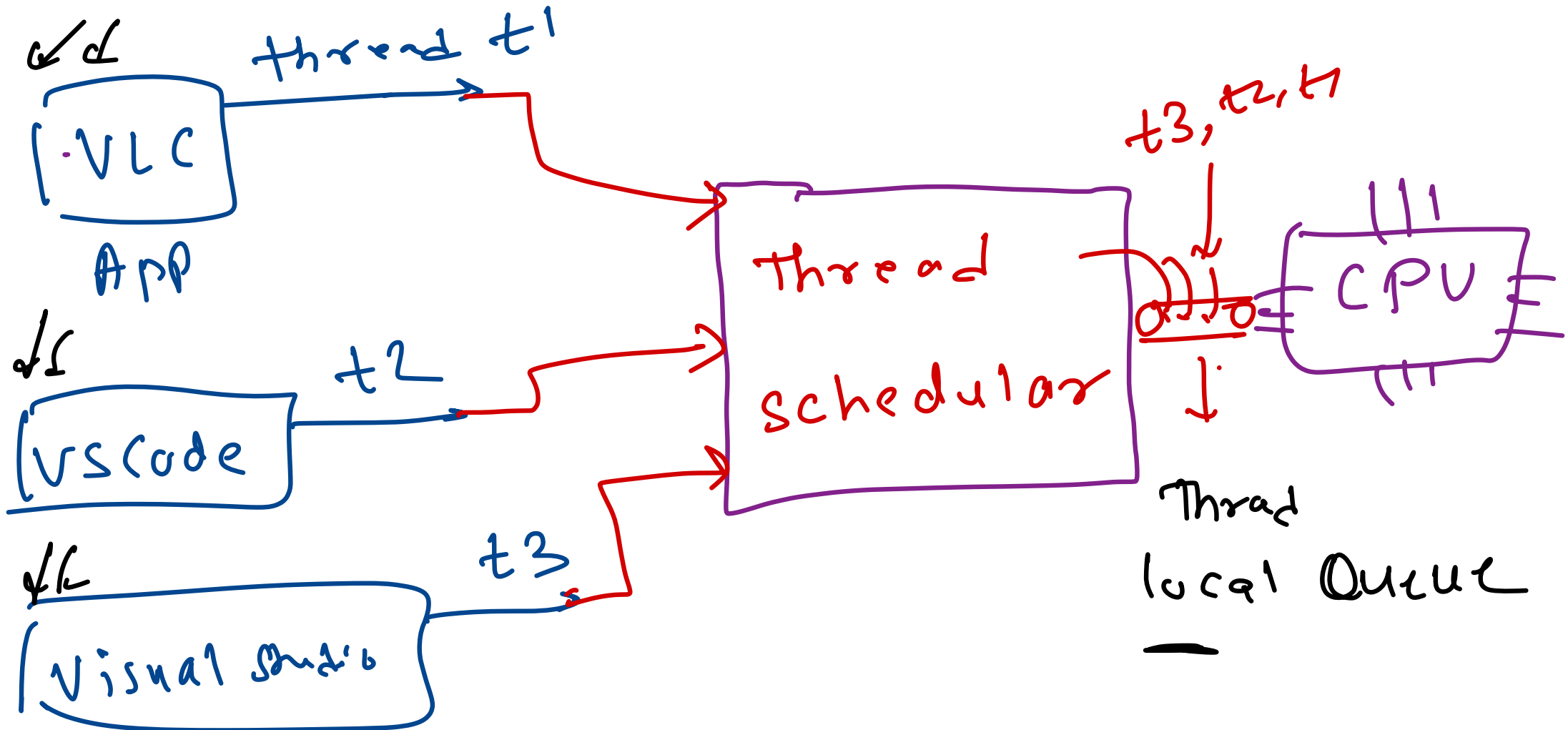


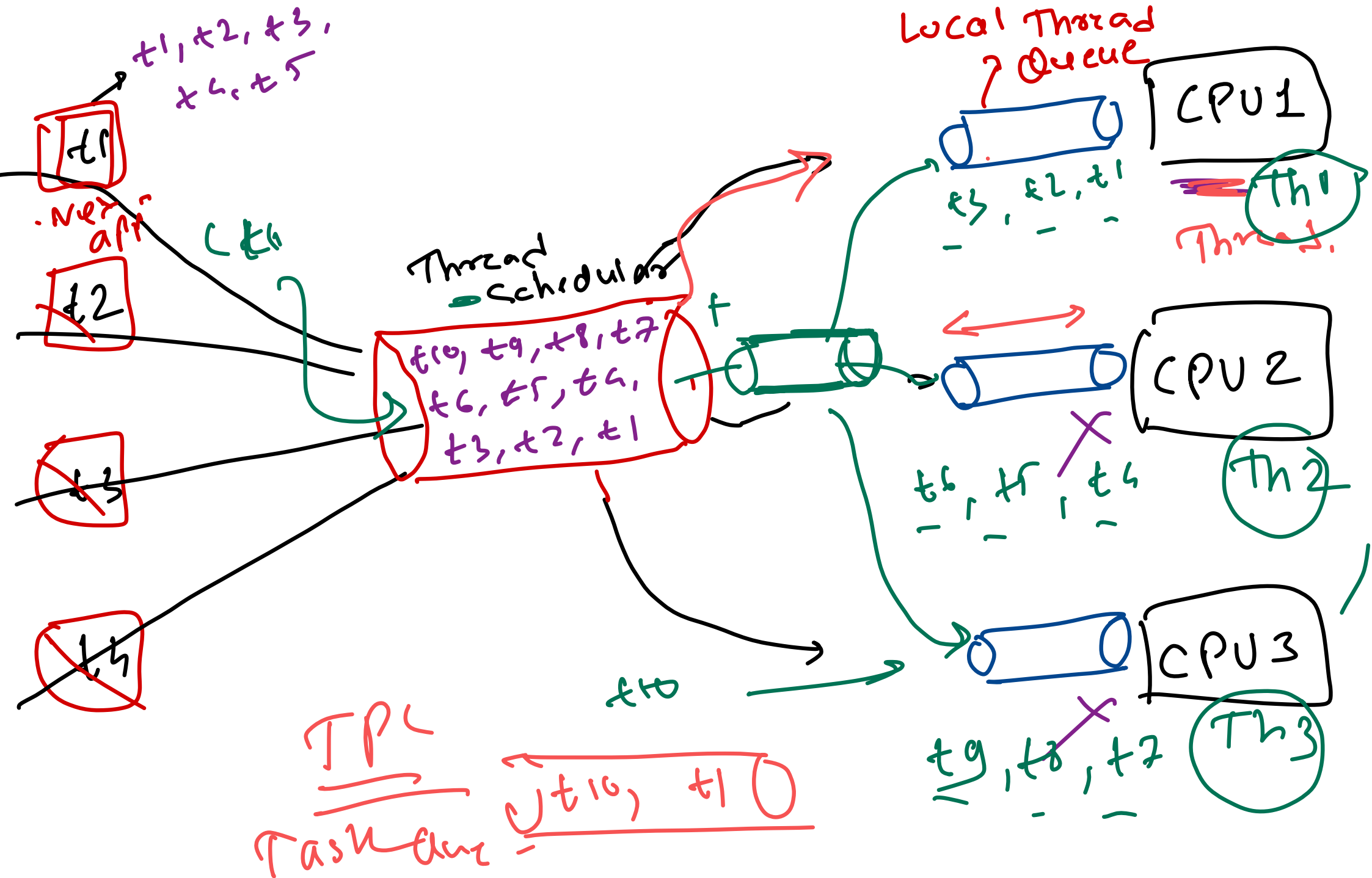
GC :- Disposable

↳ Dispose()

Threading

Thread → CPU can understand  
not process but Threads





1. OOP
2. Design Patterns & SOLID Principles
3. Events & Delegates
4. Collections, Generic and Generic Collection
5. File IO, Serialization
6. Reflection
7. Csharp Features - LINQ
8. ADO.NET; Connected & Disconnected and Entity Framework.
9. GC

10. Exception Handling

11. Threading

12. Task Parallel Library.

↳ Parallel Programming.

① class ASP .asp

↳ Designer & Developer :- Problems

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② Asp.net Web Forms :- IIS

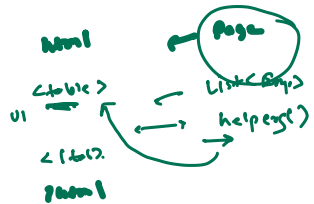
↳ ↔

UI .asp ✓ class Page  
html .asp → .aspx  
- .ashx  
- .asmx  
} aspnet-isapi.dll

HTTP stateless Protocol.  
↳ HTTP Pipeline

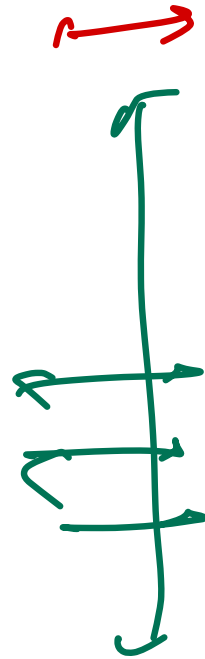
↑  
↑  
↑  
↑  
↑

— send Resp & Clean



Bulky  
→ ViewState → prop.

HTTP  
stateless



Reg. html

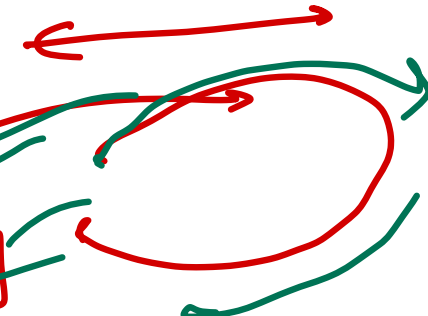
UN

pwd

email

[Reg/Sign]

IT Server



Server  
side  
validation

duplicate value  
maintain in the form of View State.

Asp. Net MVC FLW  
→ 1.0

Model - view - Controller ✓

Architectural Design  
Pattern.

→ ITS web server

→ 100% Customization.

↘ ||| conn ←

↘



# Asp.net MVC FW

→ 1.0

→ 2.0

→ 3.0

→ 4.0

→ 5.0

open-source

2015

Asp.Net MVC Core

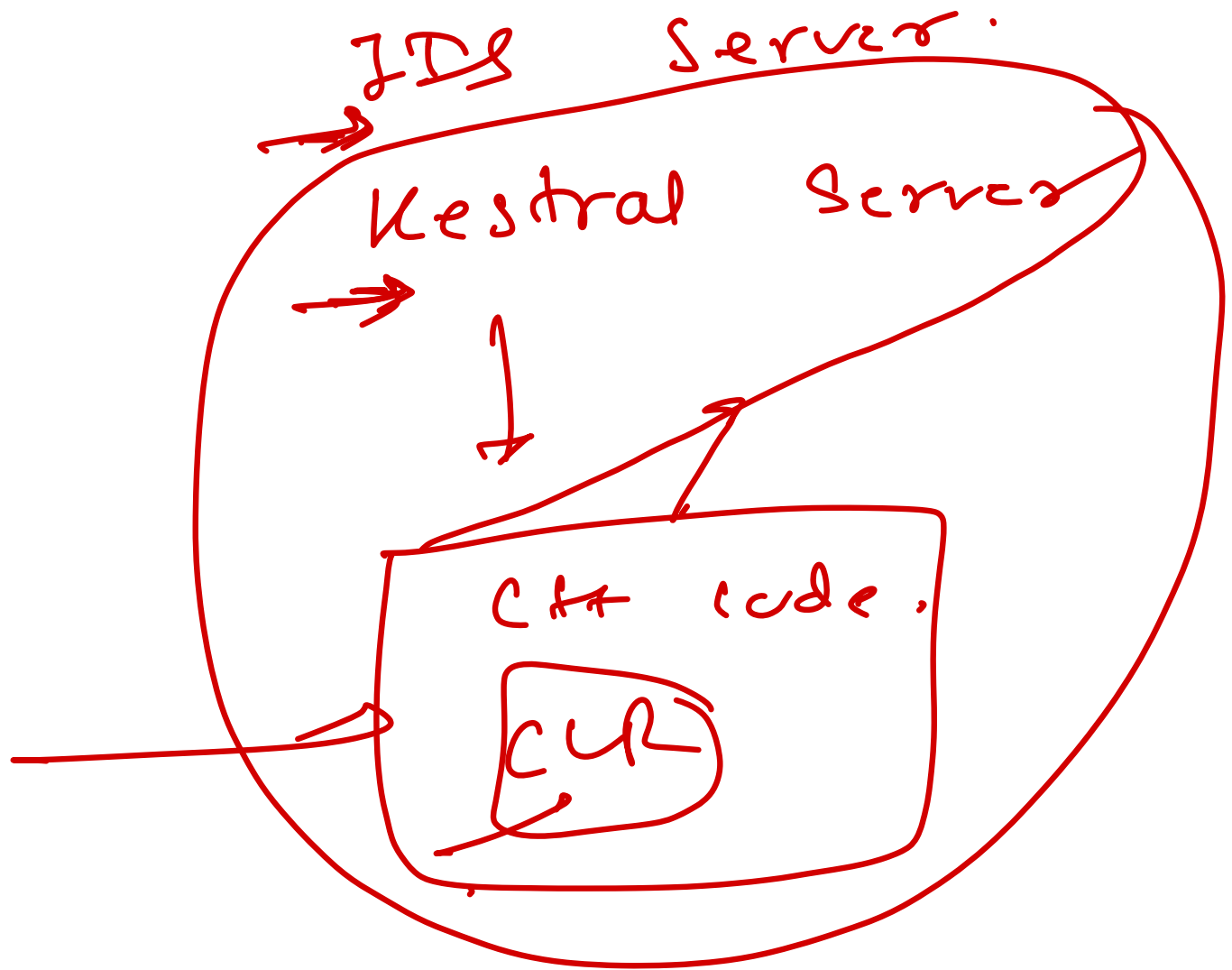
↳ 1.0

↳ 2.0

└

└

└



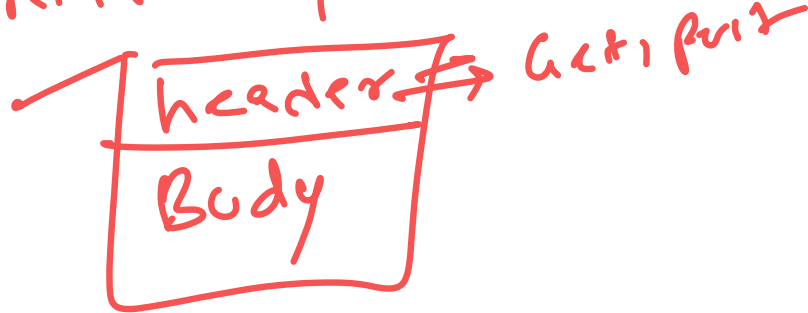
Client

http://local: — /Home/Index

Web Server

ITS  
Kernel

HTTP Request



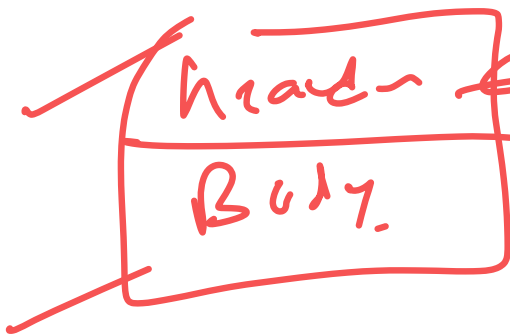
HTTP Pipeline.

HTTP context

Request, Response  
Next



HTTP Response



Content-Type

- plain/html
- application/json

Browser

!

UI

