

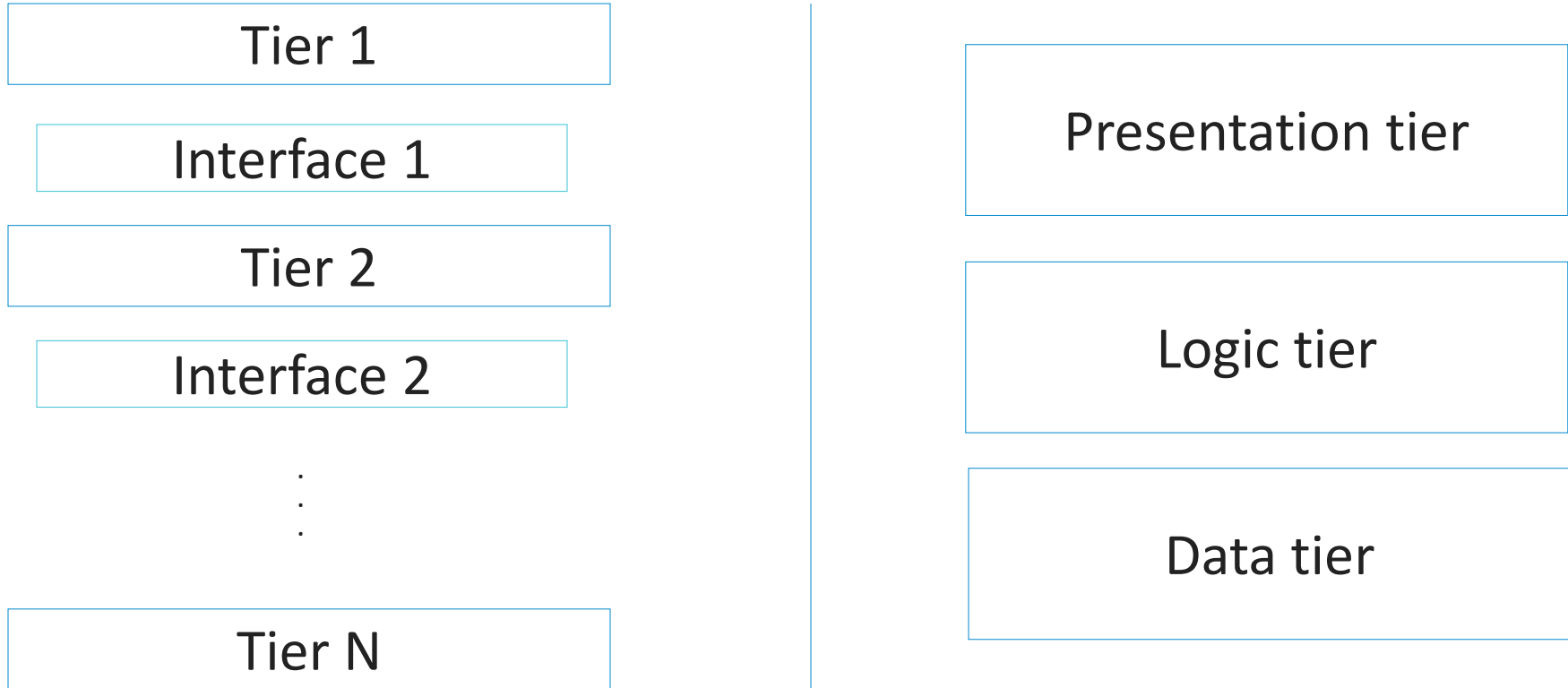
# Web Architectures and Principles

**Disclaimer:** вы смотрите просто запись лекции,  
это HE специально подготовленный видеокурс!



## Multitier / three-tier architecture

---



## Multitier / three-tier architecture

---

Is responsible for data input/output (and some underlying operations).

Presentation tier

Is responsible for commands processing, calculations, decision making, etc.

Logic tier

Is responsible for data storage, data persistence, some data processing.

Data tier

## Multitier / three-tier architecture

This is an EXTREMELY primitive representation. It's almost incorrect.  
Still, it gives some basic understanding...

Web browser

Presentation tier

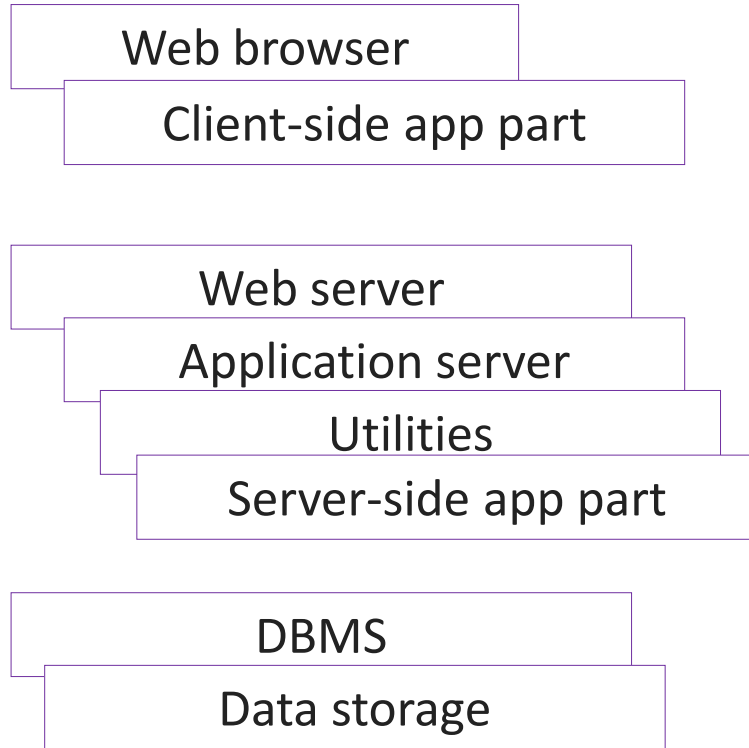
Web server and  
application server

Logic tier

DBMS

Data tier

Closer to real-life (but not simpler)



Most of these components may communicate with each other, with OS, other services and applications, and so on... So, the N-tier architecture is not applicable here “directly”.

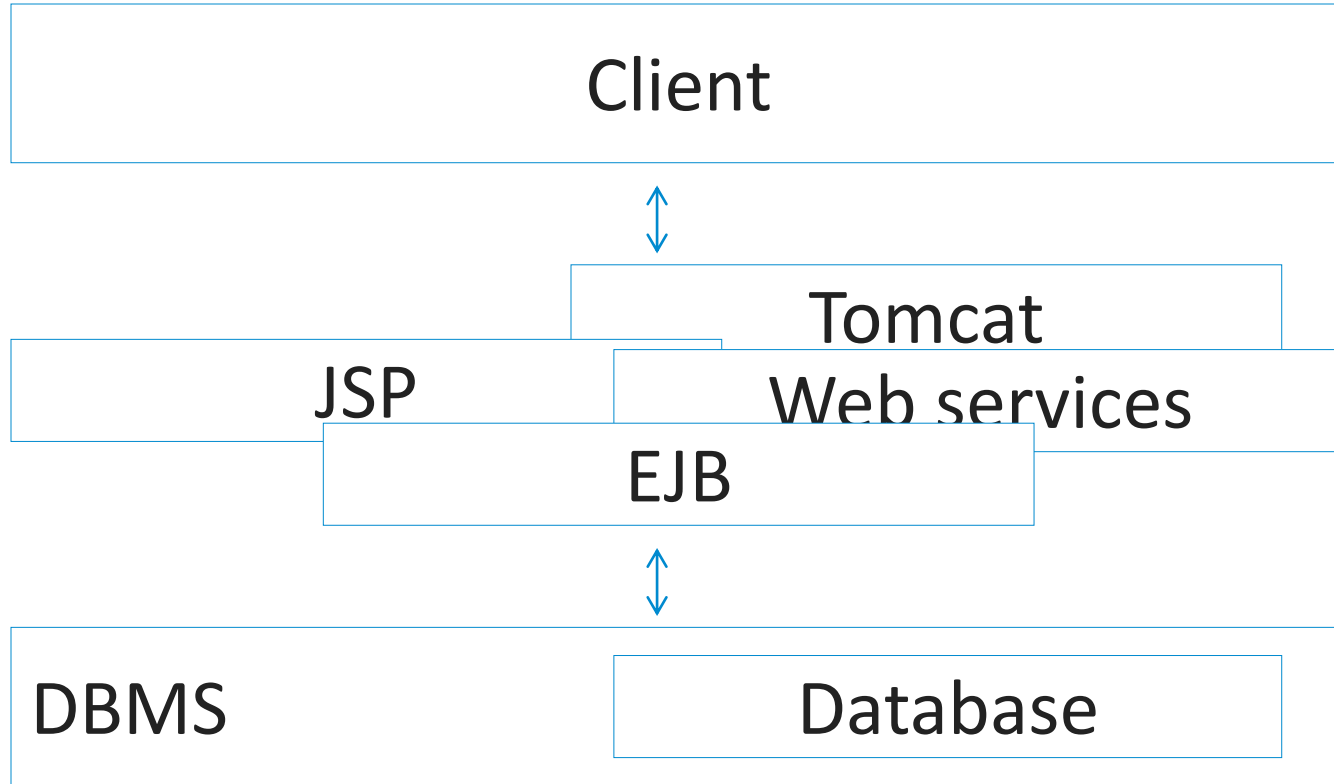
Presentation tier

Logic tier

Data tier

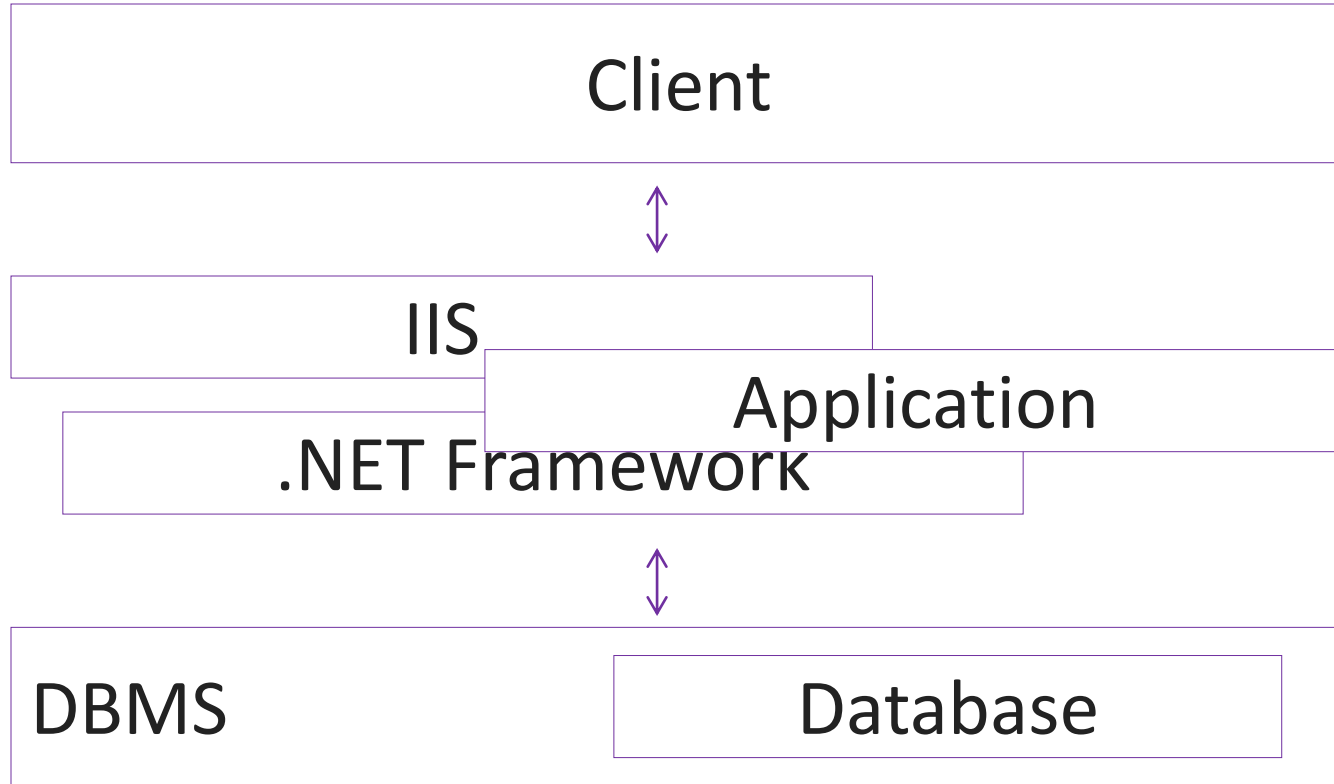
## Finally: Java

---



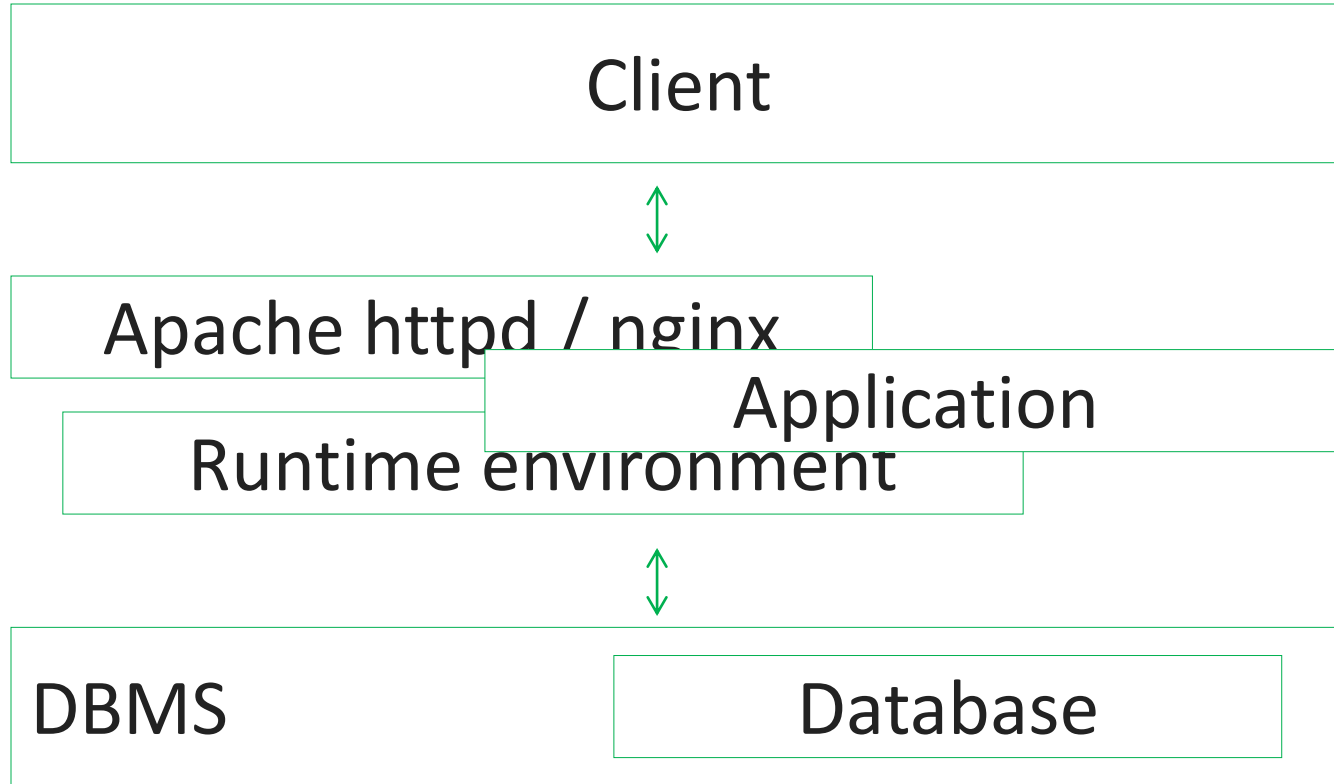
## Finally: .NET

---



Finally: PHP, Perl, Python, Ruby, etc...

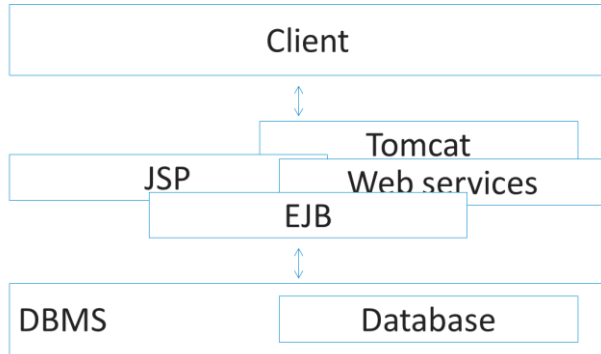
---



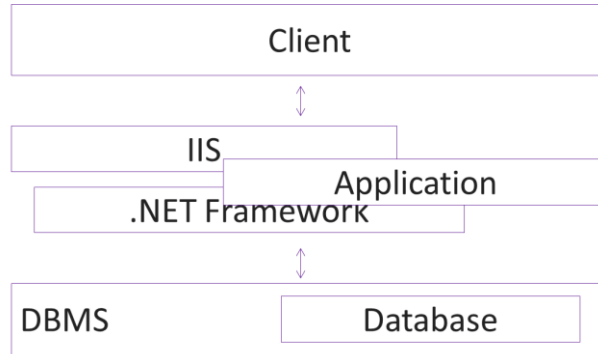


Finally: all at once

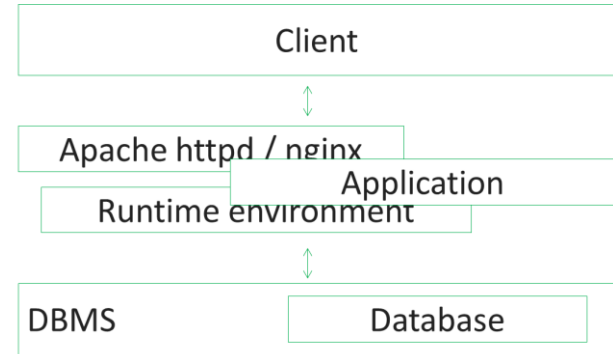
## Java



## .NET



## PHP, Perl, etc...



Yes, there are implementation differences and other specifics. Still, today in most cases general approach is almost the same for most common technology stacks.

See the full-size image in handouts 😊.



## And finally – web application development process overview

1

General concept clarification, work with requirements, creation of architecture

2

Graphical concept creation and clarification, main pages mockups creation and improvement

3

HTML/CSS files design, layout creation, templates creation

4

New engine creation (or existing engine adaptation)

5

New database creation (or existing database adaptation)

6

Deployment and testing

And remember that in most cases all these stages will be repeated iteratively...

# Web Architectures and Principles

Disclaimer: вы смотрите просто запись лекции,  
это HE специально подготовленный видеокурс!

