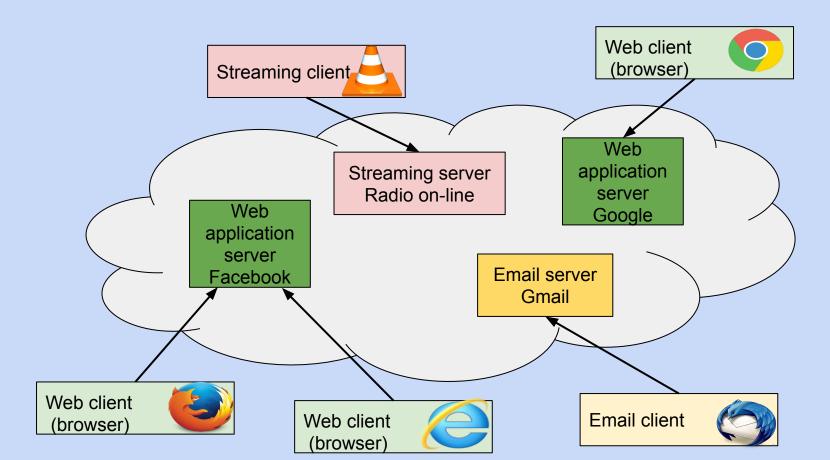
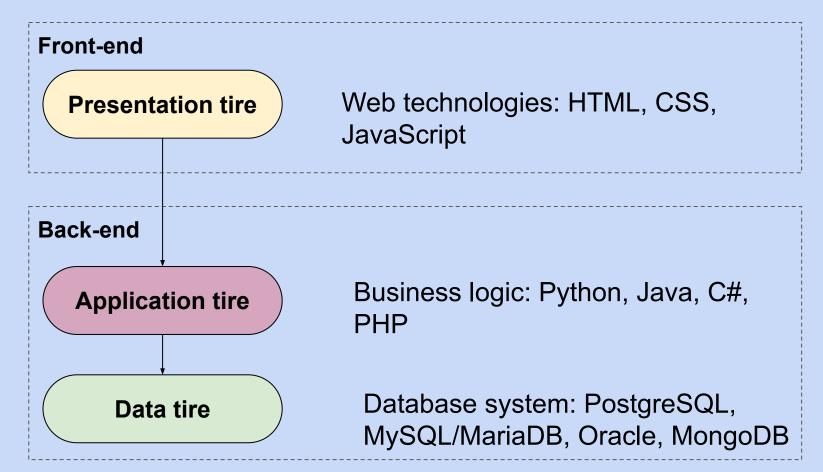
# Python training - lab 18

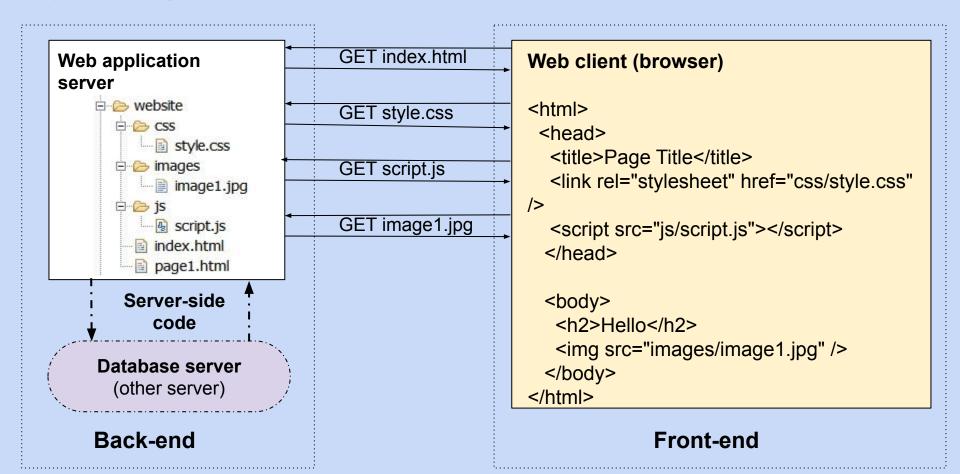
# Internet, WWW (world wide web)



## 3-tier architecture



#### **Client-Server architecture**



#### **HTML** basics

- HTML Hypertext Markup Language
- HTTP(S) (Secure) Hypertext Transfer Protocol

```
<html>
    <head>
        <title>My first page</title>
        </head>
        <body>
            <h1>Hello world!</h1>
        <body>
        <hth><h1>Hello world!</h1>
        <body>
        <hth><h1>Hello world!</h1>
        <body>
             <body>
        <body>
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        <body>
        <body>
        <body>
        <body>
        <body>
        <body>
```

# **HTML** generalities

- <tag>...</tag>
  Example : some paragraph
- <tag />
  Example : <img src='imagine.jpg' /><hr />
- <tag attribute='value'>...</tag>
- <tag1>...</tag2>...</tag1>
- HTML is not case-sensitive
- HTML editor types:
  - WYSIWYG: TinyMCE, CKEditor, Dreamweaver
  - WYSIWYM : PyCharm, VS Code, Notepad

#### HTML elements - head

- <head></head>
- Contains meta-data (data about data)
- Not displayed in browser
- <title>Page title</title>
- <meta name="description" content="Page
  description">
- <meta name="keywords" content="HTML, CSS,
   JavaScript">
- <script src="js/script.js"></script>

# **HTML** elements - body

- <br /><hr />
- <div></div> <b></b> <i></i>
- <h1></h1> <h5></h5>
- <sub></sub> <sup></sup>
- <img src='media/some-image.gif' width='300' />

## **Escape**

- > >
- < &lt;
- & &
- Space -

#### **Ordered lists**

```
     >aa
     bb
```

## **Unordered lists**

```
aabb
```

## **HTML** comments

```
<!-- this is a comment -->
<!--
One more
multiline
comment
-->
```

## **Tables**

```
SurnameName
MariaIonescu
IonPopescu
```

## **Tables**

```
<table
 cellspacing='10' cellpadding='4' border='1'>
 aabb
 cc
 dd
```

#### Links

```
<a href='some-page.html'>Some other page</a>
<a href='some-new-page.html'</pre>
  target='_new'>Opens in new tab</a>
<a href='#someid'>jumps to id</a>
<h1 id='someid'>Title</h1>
<a href='page.html#someid'>jumps to id</a>
<a href='https://google.com'>Google</a>
```

# **HTML** style-guide

- use lowercase element names
- close all html elements
- use lowercase attribute names
- quote attribute values
- always specify alt, width and height for images
- no space near equal sign for attributes
- indent the code
- break long lines