

INTRODUCTION

- Website development is one of the most highly sought after and well paid careers in the IT sector
- Average job wage: £40,000
- Can include Programming, Graphics, Database.
- This unit will focus on Client Side web development

ASSESSMENT

- 1 piece of coursework – 100% of the marks
- Present and demonstrate in class
- A 6 page website around a topic of your choice
- Must use HTML, CSS and JavaScript
- Must separate content, style and functionality
- Wireframes, consistent look, range of HTML elements, external stylesheet useful functionality
- 1,000 word report evaluating website

SUBJECT AREAS

- CLIENT SIDE WEB DEVELOPMENT
- JAVASCRIPT
- CORE TECHNOLOGIES (HTML, CSS, DOM)
- CONTEMPORARY WEB (HTML5, CSS3, SVG, JQUERY)
- *Aim:* Acquire knowledge and skills required for client side web development

HOW PEOPLE ACCESS THE WEB

- Browsers – e.g. Firefox, Chrome, IE, Opera
- Web Server – this is where the website is stored
- Devices – e.g. Mobile Phone, Tablet, Laptop
- Screen Readers – commonly used where a user has a visual impairment

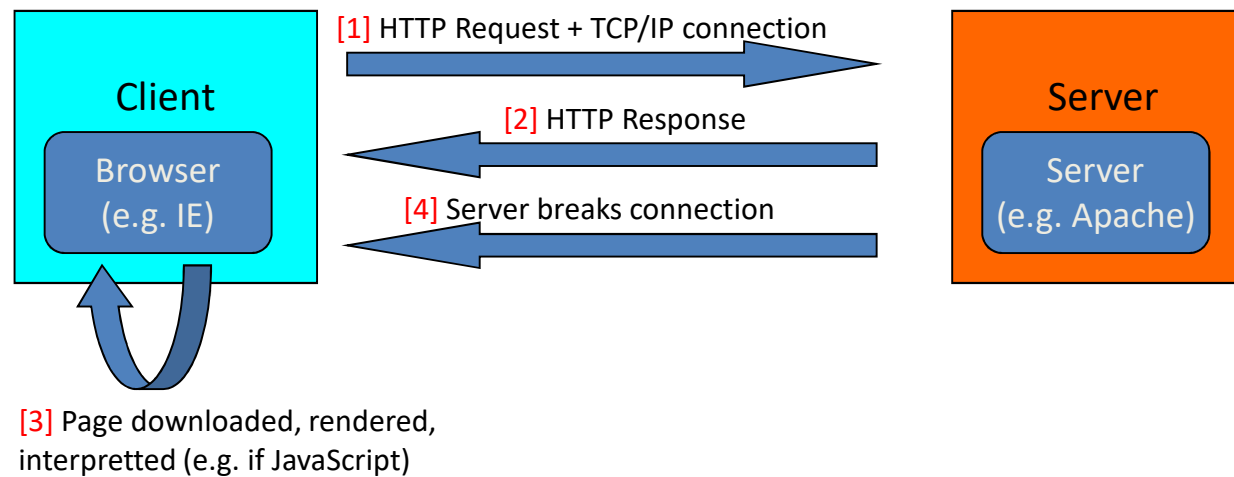
HOW WEBSITES ARE CREATED

- Smaller website are likely to use just HTML and CSS
- Larger websites can use CMS, Blogging tools and e-commerce software
- Even larger websites can use PHP, ASP.NET, Java or Ruby to improve user experience

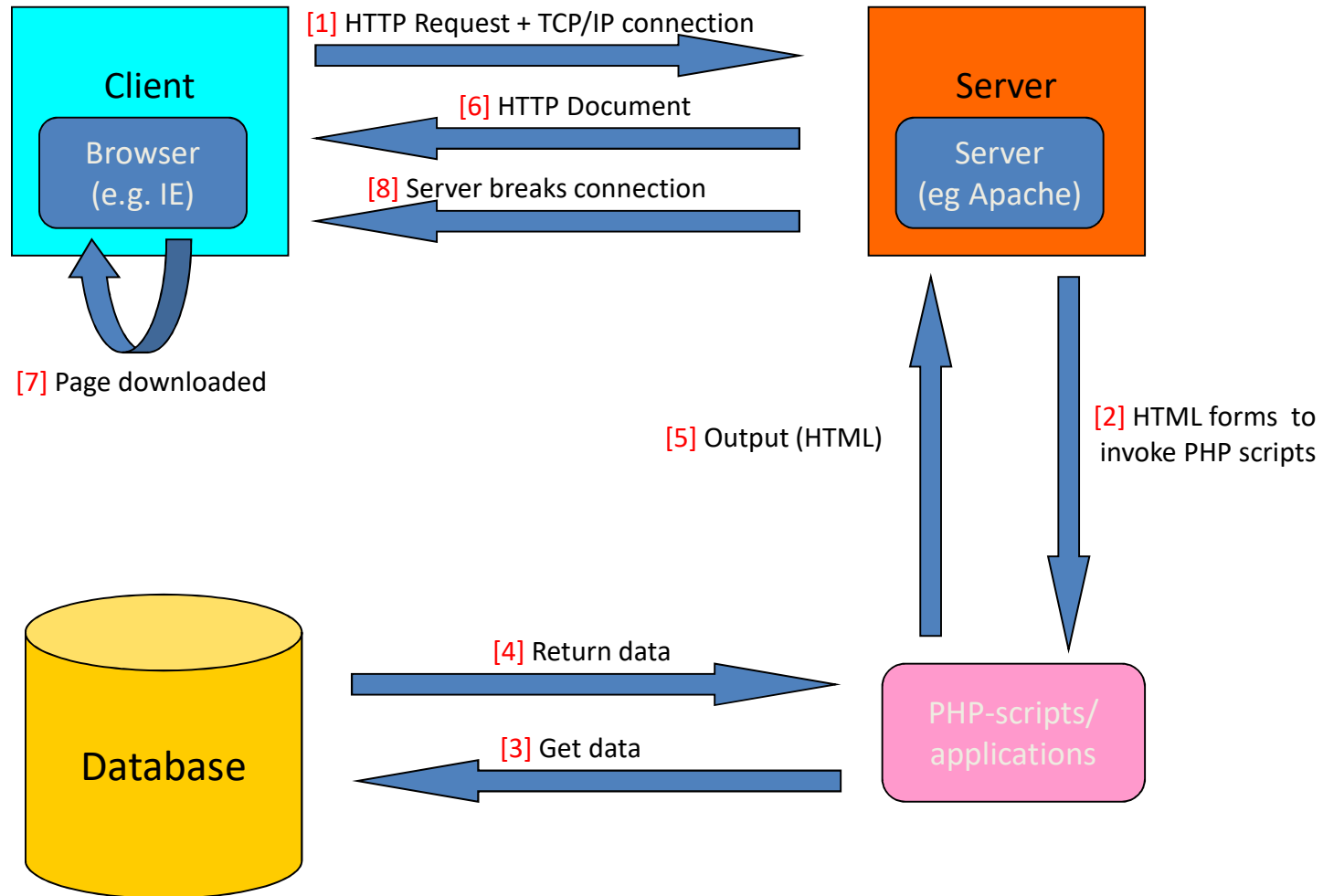
CLIENT V SERVER SIDE

- Client side – is code that executes on the clients machine – e.g. HTML, CSS, JavaScript
- Server side – is code that is executed on the server (where the website is hosted) – eg PHP, ASP

CLIENT SIDE SCRIPTING



SERVER SIDE SCRIPT



REMEMBER

- HTML = Structure, Content
- CSS = Presentation, Style
- JavaScript = Behaviour, Functionality