CS1116/CS5018

Web Development 2

Dr Derek Bridge

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Administrivia: The lecturer

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Administrivia: Module delivery

Credit weighting:	5 credit module
Prerequisites:	CS1117/CS5222, CS1106/CS5021, CS1115/CS5002
Lectures:	2×1 hr per week
Labs:	1×2 hr per week
Private study:	At least 2 hrs per week
Course web site:	www.cs.ucc.ie/~dgb/courses/wd2.html Contains copies of some of the slides
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Administrivia: Assessment

Examination:	1.5 hr written exam (75% of the marks)
Continuous assessment:	Programming project (25% of the marks)
How to fail:	Skip lectures & labs; avoid private study; cram the week before the exam; expect the exam to be a memory test
How to pass:	Attend lectures & labs; take notes; organize your notes; tackle the lab activities properly; expect a programming exam

Plagiarism

- Plagiarism is presenting someone else's work as your own. It is a violation of UCC Policy and there are strict and severe penalties.
- 2. You must read and comply with the UCC Policy on Plagiarism www.ucc.ie/en /exams/procedures-regulations/
- 3. The Policy applies to all work submitted, including software.
- You can expect that your work will be checked for evidence of plagiarism or collusion.
- 5. In some circumstances it may be acceptable to reuse a small amount of work by others, but only if you provide explicit acknowledgement and justification.
- 6. If in doubt ask your module lecturer prior to submission. Better safe than sorry!

Revision





web server hardware running web server software

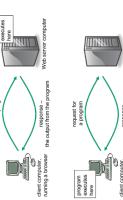
web client software, e.g. web browser

Programs on the Web

- Server-side: the program executes on the server
- E.g. Google search, Amazon anything that must consult a large database, stored on the server
- Programming languages: e.g. Python, PHP, Java, C, ...
- Client-side: the program executes on the client
- E.g. simple calculators, simple games, programs to make Web pages more interactive
- Programming languages: e.g. JavaScript

Programs on the Web

Server-side



Client-side

Often, both server-side and client-side programs are involved, e.g. Facebook

A server-side Python program

Check your understanding

- (Trick question:) What will the browser do with this Python program?
- What is that ugly comment doing there?
- Why do we need the Content-Type?
- Why do we need to print a blank line?
- Why are we using three (double) quotes for the string?
- Suppose this program is on our server in Cork. Someone in Australia requests it. Whose time/date do they see?