PROFESSIONAL ISSUES Setting the Agenda MICHAEL FOURMAN

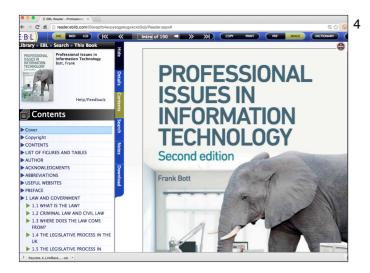
No man is an island...

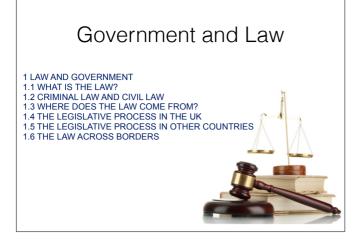
• Social, economic, ethical, and legal frameworks shape the software/hardware ecosystem.

3

- Architectures, operating systems, programming languages, applications, companies, and individuals, rise and fall.
- Society guarantees some rights, and imposes many responsibilities and obligations. You have to live and work within this framework, and contribute to its future development.
- Non-technical forces will play a role in shaping what you can achieve. To understand some of these forces may be helpful.

http://www.bcs.org/upload/pdf/dippispsyll.pdf





5 Enabling the information society The Chartered Institute **Computing Profession** for IT 2 THE COMPUTING PROFESSION 2.1 THE CONCEPT OF A PROFESSION 2.2 ROYAL CHARTERS 2.3 PROFESSIONAL CONDUCT 2.4 EDUCATION 2.5 THE ADVANCEMENT OF KNOWLEDGE 2.6 CONTINUING PROFESSIONAL DEVELOPMENT 2.7 REPRESENTING THE PROFESSION 2.8 MEMBERSHIP GRADES 2.9 RESERVATION OF TITLE AND FUNCTION







IPR, Software Contracts, Data Protection, Privacy

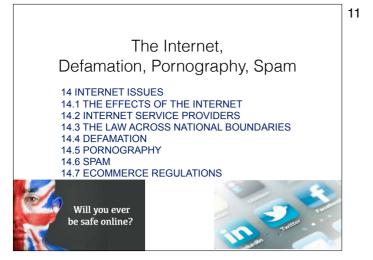


10

) as

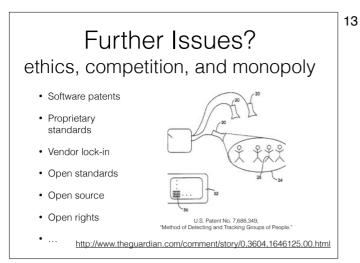
11 INTELLECTUAL PROPERTY RIGHTS 11.1 INTELLECTUAL PROPERTY 11.2 COPYRIGHT 11.3 EXAMPLES OF COPYRIGHT CASES INVOLVING SOFTWARE 11.4 CONFIDENTIAL INFORMATION 11.5 PATENTS 11.6 TRADE MARKS 11.7 DOMAIN NAMES 12 SOFTWARE CONTRACTS AND LICENCES 12.1 WHAT IS A CONTRACT? 12.2 LICENCE AGREEMENTS 12.3 OUTSOURCING 12.4 CONTRACTS FOR BESPOKE SOFTWARE 12.5 CONTRACTS FOR CONSULTANCY AND CONTRACT HIRE 12.6 LIABULTY FOR DEFECTIVE SOFTWARE 12.7 HEALTH AND SAFETY





Computer Misuse and Fraud 15 COMPUTER MISUSE 15.1 THE PROBLEM 15.2 THE COMPUTER MISUSE ACT 1990 15.3 AMENDMENTS TO THE ACT 15.4 OPERATION OF THE ACT 15.5 COMPUTER FRAUD







policies to support the digital economy, calling for the government to:

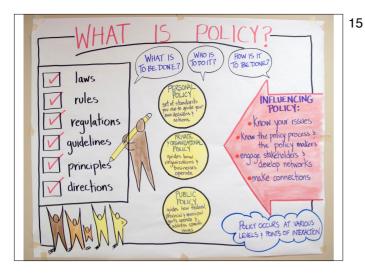
Improve access to finance

Improve access to talent

Build world class digital infrastructure

Bring laws and regulations into the 21st Century

Use digital government to unlock innovation



Straw Poll		VOTE VOTE
Government and Law	45	
Computing Profession	7	
Companies and Organisations	59	
inance Accounting and Investment	71	
luman Resources and Discrimination	35	
Software Contracts, Data Protection,	37	
The Internet, Privacy Defamation, Pornography, and Spam	65 X	
Computer Misuse and Fraud	58	
Dpen Source	53	
Copyright & software patents	57	

Owning ideas

http://www.theguardian.com/comment/story/0,3604,1646125,00.html

- Should Hoare have patented quicksort?
- Find an example of an idea claimed as property (one way is to search for patents owned by Facebook, Twitter, Google, etc.)
- · How do the points raised in the article apply to this idea?
- Be prepared for discussion.
- Mail URL and two or three sentences to <u>michael.fourman@ed.ac.uk</u> from your student account.



