Introduction
Life without the Internet?

CITS3403 Agile Web Development

Introduction
How many users are on the Internet

- Dec 2009 – 1,802,330,457 users
- Dec 2011 – 2,267,233,742 users and
- Jun 2012 – 2,405,518,376 users
- Jan 2014 – 2.92 billion

Internet Users in the World
Distribution by World Regions - 2012 Q2

Source: Internet World Stats - www.internetworldstats.com/stats.htm
Basis: 2,405,518,376 Internet users on June 30, 2012
Copyright © 2012, Miniwatts Marketing Group
Where are the Internet users coming from?

Internet Users in the World by Geographic Regions - 2009

Internet Users in the World by Geographic Regions - 2012 Q2

Source: http://www.internetworldstats.com/stats.htm
Which region are more connected?

World Internet Penetration Rates by Geographic Regions - 2009

World Internet Penetration Rates by Geographic Regions - 2012 Q2

Source: Internet World Stats - www.internetworldstats.com/stats.htm
Penetration Rates are based on a world population of 6,757,805,203 and 1,802,330,457 estimated Internet users for December 31, 2010. Copyright © 2010, Miniwatts Marketing Group

Source: Internet World Stats - www.internetworldstats.com/stats.htm
Penetration Rates are based on a world population of 7,317,846,922 and 2,405,518,376 estimated Internet users on June 30, 2012. Copyright © 2012, Miniwatts Marketing Group

Source: http://www.internetworldstats.com/stats.htm
Internet Usage Growth

**World Internet Usage Growth (2000-2011)**

- **WORLD TOTAL**: 528.10%
- **Oceania / Australia**: 1205.10%
- **Latin America / Carib.**: 2244.80%
- **North America**: 2988.40%
- **Middle East**: 214.00%
- **Europe**: 152.60%
- **Asia**: 376.40%
- **Africa**: 789.60%

Welcome to Agile Web Development!

• ...and changing the world
  • Unprecedented access to information
  • Unprecedented access to services
  • Fundamental changes in the way business takes place
  • Fundamental changes in the way people interact socially
This Unit

• Focus on programming for the WWW
• Includes
  – markup languages and protocols
  – document object models and event handling
  – client-side scripting
  – NOSQL database backends
  – MVC architecture and object relational modelling
  – NodeJS Server side scripting
• Primarily use open source technologies
  – you can use it at home
Course Information

- Coordinators/lecturers:
  - Dr Tim French (tim.french@uwa.edu.au)

- Teaching sessions
  - lectures: Monday 2pm and Wednesday 2pm
  - lab: Mon 4-6pm and Wed 4-6pm, Lab 2.01 (starting week 2)
  - CITS5505 Laboratory, 12-1pm, CSSE:2.28
  - Consultation: Wed 1-2, Rm 2.14

- Help forum
  - https://secure.csse.uwa.edu.au/run/help3403

- Notes are available in PDFs on the unit website
- Echo 360 - lecture recordings
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Recommended Readings


Labs

• Lab work may need be completed outside of scheduled lab times
  – You are expected to spend 10 hours per week on a 6 point unit
  – 2 hours lectures, 8 hours reading and lab work
  – Come to labs for help

• It is very important that you keep up with the lab work!
Assessment

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<th>Assessment</th>
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<td>Mid-semester Test</td>
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<td>2:00-2:45pm, Monday 10 April</td>
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<td>Project Stage II</td>
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<td>11:59pm Friday 26 May</td>
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<td>Final exam</td>
<td>50</td>
<td>End of Semester Examination Period</td>
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- Please ensure you have consulted the Unit Outline for information on:
  - unsatisfactory progress
  - late assessment penalties
  - plagiarism policy
  - including ACE and academic misconduct
  - Faculty marks adjustment policy
Help Forum (help3403)

  - course announcements (including assessment clarification/changes!)
    - you are required to check this page regularly
    - postings to this page are considered distributed to all
    - you can change your user settings so you are emailed any postings - *strongly recommended*
  - answers to frequently asked questions
  - help on “extra-curricular” problems - eg. setting up and running the software at home
    - someone else may have the same setup or experienced the same problem

*Keep active, keep in touch!*
Because the Internet is a BIG PLACE!

Visualization of the various routes through a portion of the Internet. Contributed to Wikipedia by Matt Britt.
Next...

- A Brief History of the Internet