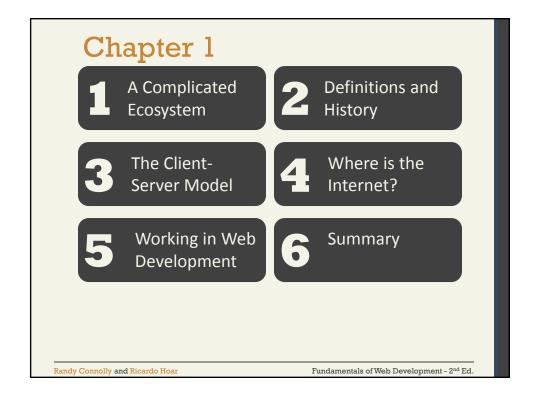
Introduction to Web Development

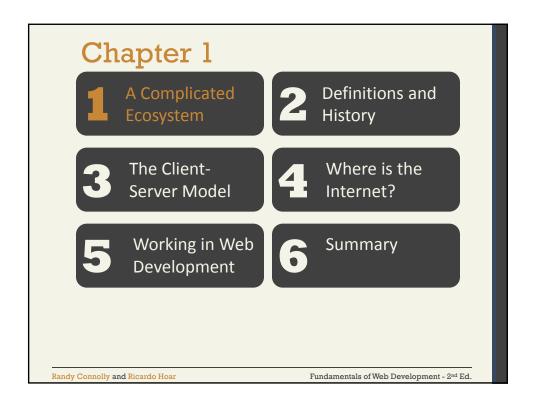
Chapter 1

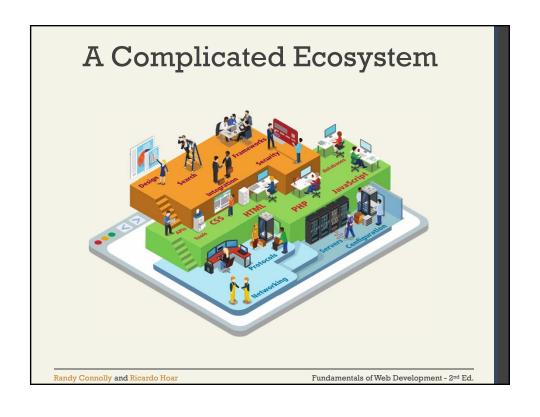
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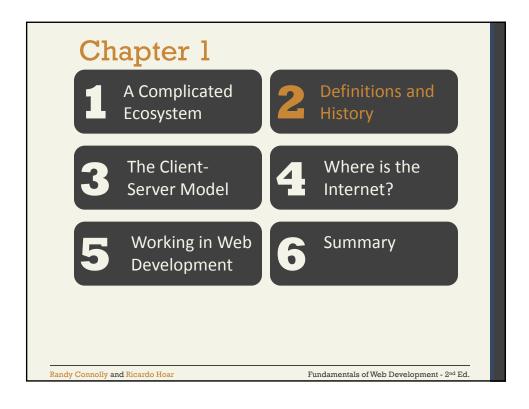
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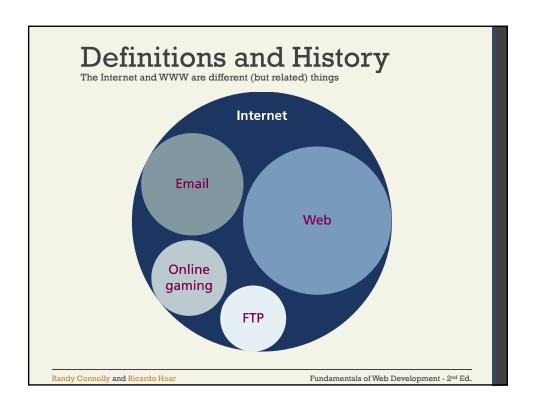


A Short History of the Internet

- Telephone Network
- Packet Networks
 - ARPANET (1969)
 - X.25 (1974)
 - USENET (1979)
 - TCP/IP (1983) ← INTERNET

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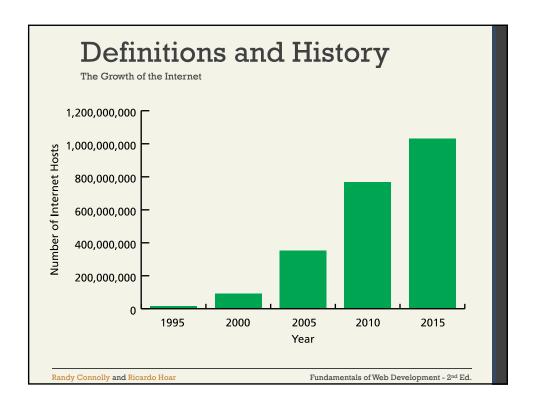


The Birth of the Web (1990)

- 1. URLS
- 2. HTTP
- 3. SERVERS
- 4. BROWSERS
- 5. HTML

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Web Applications in Comparison to Desktop Applications

Advantages:

- Accessible from any Internet-enabled computer.
- Usable with different operating systems and browser applications.
- Easier to roll out program updates
- · Fewer security concerns about local
- Storage.

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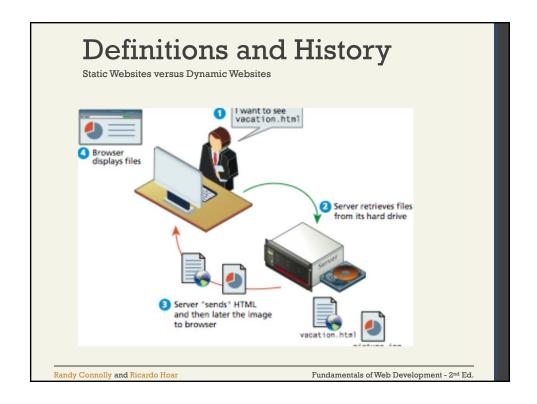
Web Applications in Comparison to Desktop Applications

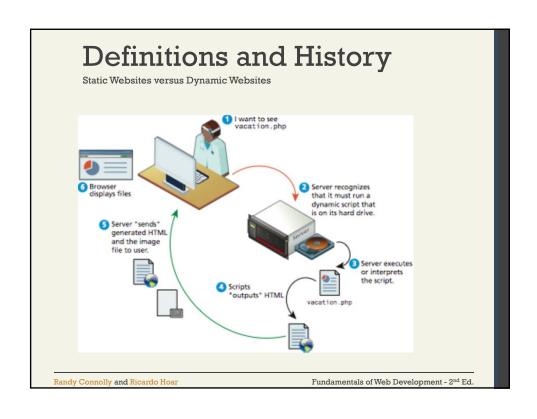
Disadvantages:

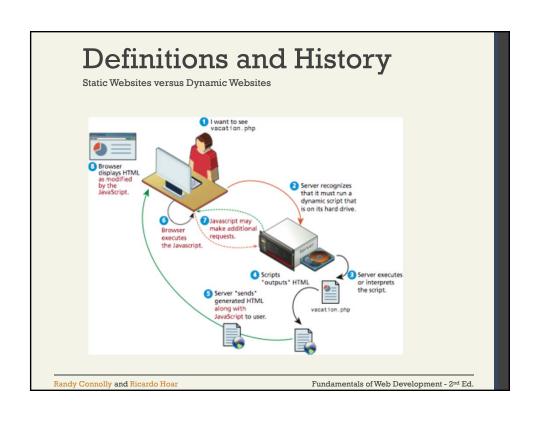
- Requirement to have an active Internet connection
- Security concerns about sensitive private data being transmitted over the
- Internet.
- Concerns over the storage, licensing, and use of uploaded data.
- Problems with certain websites not having an identical appearance across all
- browsers.
- Restrictions on access to operating system resources
- Clients or their IT staff may have additional plugins added
- to their browsers

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Definitions and History Web 2.0 and Beyond

- Web 2.0 Dynamic
- Web 3.0 Semantic
- Web Science

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Definitions and History Sociotechnological Integration—Web Science

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