

Web Foundations Associate

Exam 1D0-510



Domain 1: Internet Business Foundations

- 1.1 Identify job roles in the Information Technology (IT) industry, including the responsibilities, tasks and skills they require.
- 1.2 Identify the infrastructure required to access the Internet, including hardware and software components.
- 1.3 Define important Internet communications protocols and their roles in delivering basic Internet services.
- 1.4 Identify the basic principles of the Domain Name System (DNS).
- 1.5 Identify the functions of Web browsers, and use them to access the World Wide Web and other computer resources.
- 1.6 Use e-mail clients to send simple messages and files to other Internet users.
- 1.7 Define and use additional networking and Internet services.
- 1.8 Demonstrate ways to communicate effectively using Internet technology.
- 1.9 Identify and configure user customization features in Web browsers, including preferences, caching, cookies.
- 1.10 Identify security issues related to Internet clients (e.g., Web browsers, e-mail, instant messaging) in the workplace, including certificates, malware, illicit servers, viruses.
- 1.11 Use different types of Web search engines effectively.
- 1.12 Identify and use principles of Personal Information Management (PIM), including common applications.
- 1.13 Efficiently transmit text and binary files using popular Internet services.
- 1.14 Identify security-related ethical and legal issues faced by IT professionals.
- 1.15 Relate project management concepts and terms to the IT profession.
- 1.16 Recognize essential database concepts.
- 1.17 Conduct a Webcast and related services.
- 1.20 Manage career opportunities in the IT industry.
- 1.21 Represent technical issues to a non-technical audience.

Domain 2: Site Development Foundations

- 2.1 Demonstrate knowledge required to create a Web page.
- 2.2 Add images and graphical formatting to HTML files, and create and edit images and audio.
- 2.3 Identify and use design and color principles for Web pages.

- 2.4 Create a basic HTML form that accepts user input.
- 2.5 Create HTML frames.
- 2.6 Define Extensible Markup Language (XML), and identify its features and appropriate use.
- 2.7 Identify essential Web site navigation issues, and ensure page/site accessibility.
- 2.8 Define and apply essential aspects of the Cascading Style Sheets (CSS) standard, including CSS versions 1, 2 and 3.
- 2.9 Use Extensible Hypertext Markup Language (XHTML) to create Web pages.
- 2.10 Identify technologies for enhancing the user's Web experience, including programming languages, multimedia technologies.
- 2.11 Use GUI-based HTML editing software to create Web pages.
- 2.12 Test and analyze Web site performance issues.
- 2.13 Identify steps in the Web site planning and development process.
- 2.14 Identify essential issues in developing and maintaining a Web site, including project management, testing, legal issues.
- 2.15 Plan and deliver oral presentations of your Web site, during and after site development.
- 2.16 Define electronic commerce (e-commerce) and related technologies and concepts necessary to develop a secure, useful interface (i.e., storefront).
- 2.17 Demonstrate knowledge of languages commonly used to provide database connectivity to Web sites.
- 2.18 Identify the benefits and drawbacks of running your own Web server versus using a service provider.
- 2.19 Identify common strategies for managing an end user's experience and improving site creativity.
- 2.20 Consider copyright and ethical issues when creating Web pages.
- 2.21 Design Web pages to industry standards.

Domain 3: Network Technology Foundations

- 3.1 Demonstrate knowledge of basic data communications components, and demonstrate technical knowledge of the Internet.
- 3.2 Identify the role of networking hardware, and configure common hardware for operation.
- 3.3 Identify the relationship between IP addresses and domain names, including assignment of IP addresses within a subnet.
- 3.4 Identify the functions and components of servers commonly used on the Internet.
- 3.5 Identify common Internet security and availability issues, including user-level and enterprise-level concerns.
- 3.6 Identify common performance issues affecting Internet clients, including analysis, diagnosis.

- 3.7 Perform basic hardware and system maintenance for network-aware systems.
- 3.8 Manage fundamental elements of modern network-based client operating systems.
- 3.9 Configure and troubleshoot wireless networks.
- 3.10 Demonstrate understanding of virtualization.
- 3.11 Explain concepts involving personal privacy protection on the Internet.