Level 2 Web fundamentals (7540-014)

Systems and Principles
Assignment guide for Candidates

Assignment A

(This assignment can be used as evidence of achievement of 7513-219)

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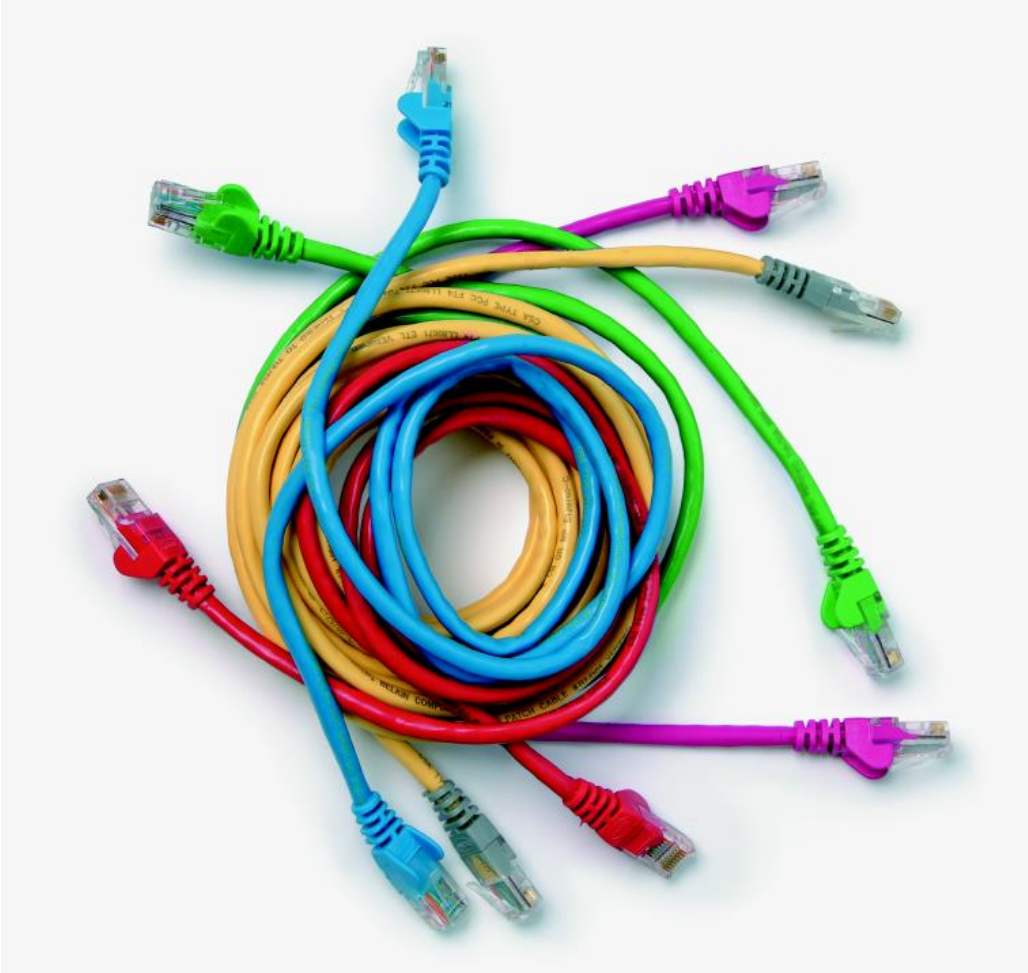

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Level 2 Web fundamentals Assignment A

Introduction – Information for Candidates

About this document

This assignment comprises all of the assessment for Level 2 Web Fundamentals (7540-014).

Health and safety

You are asked to consider the importance of safe working practices at all times.

You are responsible for maintaining the safety of others as well as your own. Anyone behaving in an unsafe fashion will be stopped and a suitable warning given. You will **not** be allowed to continue with an assignment if you compromise any of the Health and Safety requirements. This may seem rather strict but, apart from the potentially unpleasant consequences, you must acquire the habits required for the workplace.

Time allowance

The recommended time allowance for this assignment is **3 hours**.

Level 2 Web fundamentals (7540-014)

Candidate Instructions

Time allowance: 3 hours

Assignment set up:

This assignment is made up of **four** tasks:

- Task A – Design a 3-page website
- Task B – Build a functioning 3-page website
- Task C – Test a functioning 3-page website
- Task D – Knowledge

Note: Task D requires written answers to a number of questions, please allow sufficient time to complete this task within the assignment.

Scenario

You are working as a trainee web developer in a company that has been approached by South West Utilities Ltd to develop a website that advertises their new electronics retail division. The main aim of the new website is to market their new range of flat screen televisions.

Read all of the instructions carefully and complete the tasks in the order given.

Task A – Design a 3-page website

1 South West Utilities Ltd have asked initially for you to design a three page website that introduces their new range of flat screen televisions. The designs need to show the following:

- layout of **each** page
- a navigation diagram/storyboard
- the format of content including CSS
- any interactive features
- shopping cart
- images
- any animation, if required.

The plans can either be hand drawn or drawn using ICT

Task B – Build a functioning 3-page website

1 Using the plans created in task A, build the three page website that advertises the new range of flat screen televisions for South West Utilities Ltd.

Ensure your finished website includes the following:

- **three** functioning pages
- **all** images of the products
- **full** navigation between each page
- **two** interactive features
- a shopping cart
- **one** animation, if required.

Task C – Test a functioning 3-page website

1 Now that your website is complete, ask the assessor to observe you whilst you complete the following tests:

- functionality testing, open your website using **two** different web browsers
- test your navigation to ensure **each** link works
- test your interactive features
- check that content matches design.

Task D – Knowledge

Please use the answer sheet provided to complete task D

1 List **four** hardware and/or software components that enable access to the web.

2 State the role of the following protocols:

- TCP/IP
- HTTP
- SMTP.

3 State the role of the following:

- Internet service provider
- Web hosting service
- Domain name registrar.

4 Identify and briefly describe **two** types of web functionality.

5 Identify and briefly state the purposes of **two** Mark-Up languages.

6 Identify the roles of the following in building websites and/or web applications:

- Web runtime environments
- Web application programming languages
- Databases.

7 Identify **one** typical stack combination that can be used for web development.

When you have finished working:

- Sign each document above your name and label all removable storage media with your name.
- Hand all paperwork and removable storage media to your assessor.

If the assignment is taken over more than one period, all paperwork and removable media must be returned to the test supervisor at the end of each sitting.

End of assignment

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