Level 2 Web fundamentals (7540-014)

Systems and Principles
Assignment guide for Candidates

Assignment C

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

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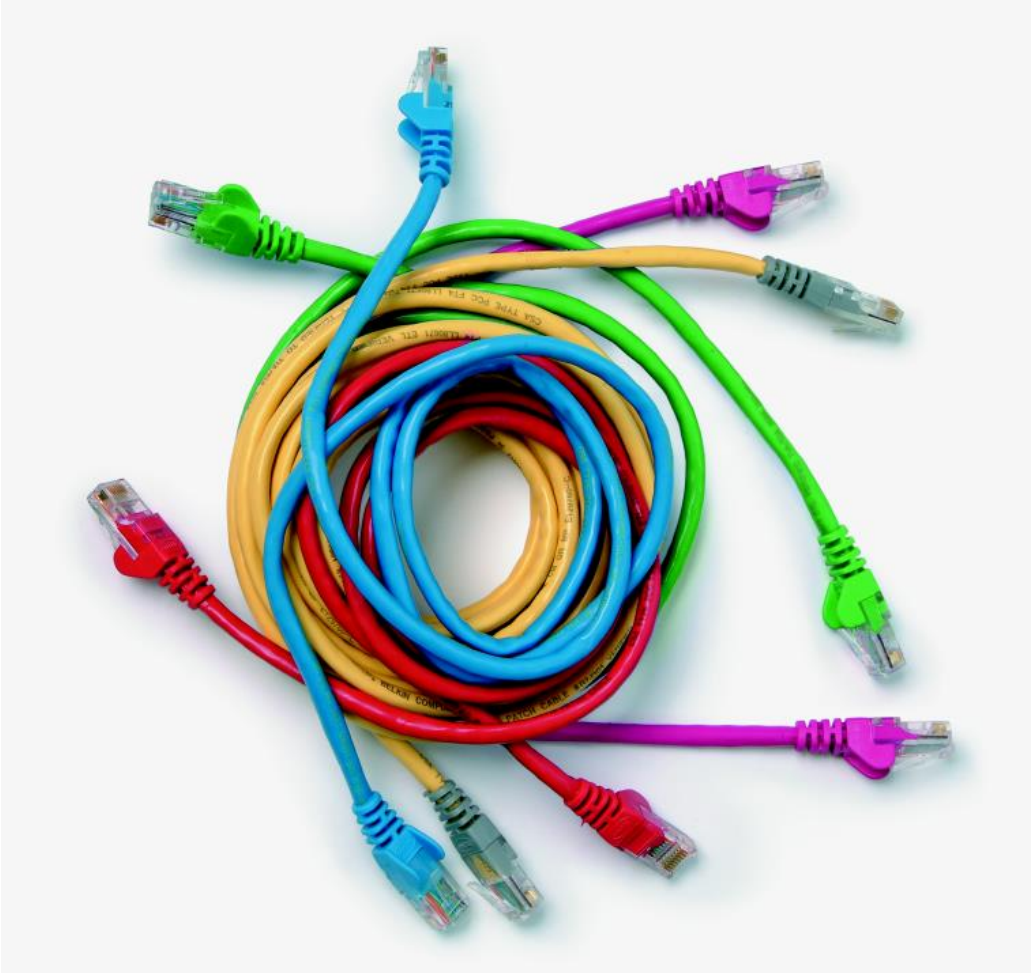

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Contents

Level 2 Web fundamental (7540-014)

Assignment C

Introduction – Information for Candidates	2
Candidate Instructions	3

Level 2 Web fundamentals (7540-014) Assignment C

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
- Task B – Build
- Task C – Test
- Task D – Knowledge

Scenario

Tablet Computers UK INC have recently employed you as a web designer, they want to create a website that hopefully will sell the 10 top Tablet PC's that are available to customers in the UK via their website. The company has asked you to produce the website that meets their needs. You can obtain a list of Tablet PC's and prices from the assessor.

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

Task A – Design

1 Tablet Computers UK INC initially asked you to design a three to (maximum) four page website that advertises their range of Tablet PCs. The design needs to include the following:

- Layout of each page **or** a navigation diagram / Story board
- The format of content including CSS
- Any interactive features
- Shopping cart
- Images
- Any animation.

The plans can either be hand drawn or produced using ICT

Task B – Build

1 Following the plans created in Task A, build the three or four page website that describes the Tablet PCs and gives their prices.

Ensure your finished website includes the following:

- **Three** or **four** pages
- Images of the products with descriptions of the features and functions
- Navigation between **each** page
- **Two** interactive features
- A shopping cart
- **One** animation.

Task C – Test

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

- Functionality testing, open your website in **two** different web browsers
- Demonstrate your navigation to ensure each link works as described in your design
- Demonstrate your interactive features.

Task D – Knowledge

Please use the Answer Sheet provided to complete Task D

1 List at least **three** hardware and **two** software components that enable access to the web and enable website production.

2 Briefly state the role of the following protocols:

- TCP/IP
- HTTP
- SMTP.

3 Briefly state the role of the following:

- Internet service providers
- Web hosting services
- Domain name registrars.

4 List **three** different types of web functionality.

5 Briefly state the purpose of Mark-Up languages. List **two** examples of a Mark-Up language.

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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