ASSESSMENT BRIEF

Course:	Software Development
Teacher:	Fachtna Roe
Component Title & Code:	Mobile Technologies 5N0580 (MOBT)
Assessment Technique:	Skills Demonstration (#3)
Assessment Title:	"Mobile Network & Device configuration"
Weighting:	20%
LO's Assessed:	**LO** 3, 11

Overview of Brief:

You are required to complete the tasks outline below, to demonstrate your understanding of Mobile Network & Device configuration.

Issue Date: 2023-12-12
Review Date: 2023-12-13
Submission date: 2023-12-15

Marking Scheme:
All tasks are worth 2 marks.

Submission: Single HTML file (`index.html`) with all resources (images etc) linked in, in a folder called *eg* `red/1/MOBT3-RED1/` submitted via **t.fachtnaroe.net**.

Write your report using html, where each file other than the index file is in the one directory. The submission should be one HTML page (in 'length'!) The report file name must be **index.html** – this is the <u>only</u> file that will be opened directly from the file-system for this assignment by the examiner. You must therefore weave each file into the story of your report.

Use the following naming convention for files generally: ~~**MOBT-SKILLS3-FamilyName-GivenName-<FileContentDescription>.<filetype>**~~

Where **<FileContentDescription>** is replaced with what would otherwise be the name of the file, and **<filetype>** is the normal **doc/docx/odt/png** as appropriate *etc.*

(Support your answers with screenshots from your phone)

NOTE: You **<u>must</u>** number the answers in your file(s) of the filename(s).

You may also wish to include the text of the question, but ensure that a) the correct text is used and b) the CSS for that text is different to that used for the answers.

2023-2024

Assessment activity guidelines/instructions to learners:

Complete the following tasks. All tasks carry equal marks.

Use the websites:

       https://siteviewer.comreg.ie/#explore

       https://coveragemap.comreg.ie/map

to locate the mobile mast nearest to your home. Then:

1. Use a desktop screen-shot to show the mobile site in your browser (include the map location), and
2. Use a mobile screen-shot and your mobile devices mapping function to show your map location when you are near the mast, and
3. Use your mobile phone camera to take a photograph of the mast.

4. Take a photograph of one of the Wi-Fi access points in the college, showing the brand/manufacturer, and
5. Provide a link to product information on the Internet or any data-sheet from the manufacturer, and explain how you located that.
6. What is the SSID of the TCFE Wi-Fi network?
7. An access point may use encryption technology to secure transmission between itself and a smart-phone. What security feature is enabled on the college Wi-Fi, and how does it work?
8. What is the MAC address of your phone? (Screenshot)
9. Show the memory capacity of your smart-phone, and how much has been used (Screen grab).
10. Explain how you got a photo of your nearest mobile mast location from your mobile phone to your desktop, and included into your assignment as an image file.

2023-2024

Mobile Technologies 5N0580	Learner Marking Sheet 1 Skills Demonstrations/Projects

Learner's Name: _____   Learner's PPSN: _____

Assessment Criteria	Maximum Mark	Learner Mark
Skills Demonstration 3		
• Demonstrate the fundamentals of mobile device networking, device configuration and the nature of the tools involved	10	
• Effectively manage mobile IT devices and systems (e.g. configure settings, manage back-ups and resolve faults)	10	
Subtotal	20	
Total Mark		

Criteria	Maximum Mark	Student Mark
Skills Demonstration 3 (Device management & networking)		
1. Mast location displayed on map	2	
2. Location demonstrated	2	
3. Mast photographed	2	
4. AP located and photographed	2	
5. Link provided	2	
6. SSID Correct	2	
7. Security feature identified	2	
8. MAC Address provided	2	
9. Show memory capacity	2	
10. Explanation of transfer of photo into assignment	2	
Total Mark	**20**	