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Develop:  
Coding

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# **Unit 1: Improving Productivity with IT**

## **Project: 1**



# Role : Technical Consultant

## The brief



# Outcome 1:

Plan, select and use  
appropriate IT systems  
and software to meet  
needs



# Brief

## Scenario

You are wanting to set up as a consultant. To prove your knowledge you want to start by creating a blog talking about yourself, why you are interested in technology and demonstrate how much you know. For each of the sections below asking you to describe, include around a paragraph of information about the topic.

- } **1.1** Describing the purpose of IT in modern business
- } **1.2** Describing methods, skills and resources needed to complete digital projects successfully – what do you need to make projects successful? What tools? What skills?
- } **1.3** Plan and carry out tasks using IT – e.g. making your website. How will you plan it? Include a link to your troll board.
- } **1.4** Describe the risks that might impact digital projects – what causes digital projects to fail? Why?
- } **1.5** Describe how you would go about selecting and using IT systems and software – how do you select the right kind of technology for the job?
- } **1.6** Describe and provide analysis on how your chosen technologies have helped you achieve your outcomes. – How has trello helped you plan and how can git and GitHub help with your codes version control
- } **1.7** Describe legal guidelines and constraints that impact digital projects – How does GDPR impact digital projects?

# Outcome 2:

Review and adapt the ongoing use of IT tools and systems to make sure that activities are successful



# Brief

## Scenario

Now you have setup your blog, it's time to get into the detail. You now need to critically review your website.

- } To the bottom of your website add a review section that contains the following information.
  - } **2.1** Review the ongoing use of IT tools and change approach as needed – in making your own website, are you happy with the tools you used?  
E.g. Visual Studio Code, Codepen, Trello
  - } **2.2** Describe whether the IT tools selected were appropriate E.g. Visual Studio Code, Codepen, Trello
  - } **2.3** Assess the strengths and weaknesses of your final project – are you happy with your website? Why? Why not? You should review it on the website itself in the interests of openness. What would you change?
  - } **2.4** Describe further improvements you can make to your project
  - } **2.5** Review outcomes to make sure they match requirements and are fit for purpose

# Outcome 3:

Develop and test  
solutions to improve  
ongoing use of IT tools  
and systems





# Brief

## Scenario

Continued from previous task.

- } **3.1** Review the benefits and drawbacks of IT tools and systems used in terms of productivity and efficiency – *could you have been more efficient when making your website? How? Could you have done it in teams?*
- } **3.2** Describe ways to improve productivity and efficiency
- } **3.3** Develop solutions to improve own productivity using IT in digital projects – *what would you do differently next time? Team work? Use of Slack?*
- } **3.4** Describe how you would go about testing digital solutions

**That concludes your work on Unit 1.**



