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## Sample Assignment: Unit 20 ICT Solutions for People with Individual Needs

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### ASSIGNMENT

Select **three** different disability cases, either from the case studies provided or referring to people who you know and who have a special need that can be assisted by technology. Research each case so that you can gain an understanding of the abilities, disabilities and possibilities. If you decide to use the special needs of a person that you know you must include a brief description of the person, their disability or impairment, and their individual needs.

#### Task 1

Identify and explain relevant UK legislation that affects the requirements for supporting people with special needs. Include conclusions about the implications of such legislation on the cases selected, their employers and other organisations involved (A – AO2).

#### Task 2

For **EACH** case you will need to carry out the following:

Identify and explain in detail what limitations the case disabilities or impairments impose on that person, focusing on needs that may be addressed by a technology solution.

Research and identify suitable solutions for each of the three case studies, explain why you are recommending those specific solutions and suggest alternatives. Evaluate the effectiveness of your recommended solutions (B – AO2).

#### Task 3

Comment on how your recommendations could enhance the lives of the case studies, identifying strengths and weaknesses of your proposals (D – AO4).

#### Task 4

Set out the reports or presentations on individual case studies in a way that can be accessed by that individual. To achieve this you may need to make a **copy** of your report in a different format, for instance in large print or on audio tape. **However the report should also be produced in your normal style for presentation in your portfolio.** Where the case study is a young child, or is someone who has very limited understanding, you may present your information in a way that is suitable for a parent or carer to access (E – AO1).

## Task 5

For **ONE** case study:

Identify ways of customising operating system, application software and equipment hardware to meet the individual needs, carry out the customising to meet those identified needs (C – AO1).

Explain how those modifications will benefit the individual and compare your recommended solutions with possible alternative modifications (C – AO3).

Comment on your actions to customise software and equipment, taking into consideration how you might further enhance your skills and ability to adapt systems for individual users' needs. You should identify your strengths and weaknesses and show how you will address these issues to be more effective in the future (C – AO4).

### Resources – Useful Websites:

The following websites may be of use:

- <http://www.rnib.org.uk/>
- <http://www.bcab.org.uk/>
- <http://www.rnid.org.uk/>
- <http://www.scope.org.uk/>
- <http://www.afme.org.uk/>
- <http://www.skill.org.uk/>
- <http://www.susiecp home.com/>
- <http://www.access-mattersuk.co.uk/legislation.htm>
- <http://www.disability.gov.uk/>
- <http://www.abilitynet.org.uk/>
- <http://www.nyise.org/whatsnew.htm>
- <http://bobby.watchfire.com/bobby/>
- <http://www.r-e-m.co.uk/>
- <http://www.semerc.com/>
- <http://www.gag.org/resources/das.php>

This is not an exhaustive list and you should research to identify other useful resources.

Your report or presentation should be comprehensively organised, properly indexed and references must be acknowledged with an accurate and complete bibliography.

## Record of Progress

Steps towards completion	Target Date
<b>Assignment Issued:</b>	
<b>Assignment Deadlines:</b>	
Draft project relating to <b>legal requirements</b> and <b>ONE</b> case to submitted to tutor for review	
Individual tutorial sessions (15-20 minutes) for feedback on project	
Legal requirements and first case project to be completed and submitted for <b>final marking</b>	
Individual tutorial sessions (15-20 minutes) to feedback from first project	
Practical demonstration of customising operating system, application software and equipment to meet one case study's needs	
<b>All remaining projects</b> to be completed and returned for final marking	
<b>Progress to be regularly monitored during workshop sessions</b>	