Name: Class:

Task 1

Type “Ease of Access” in the search bar in Windows to see what operating system accessibility options are available.

List accessibility features which are available for:

a) Blind or visually impaired computer users

b) Deaf or hearing-impaired computer users

c) Computer users with limited mobility

Task 2

Look up <https://edu.gcfglobal.org/en/computerbasics/using-accessibility-features/1/>

Describe **three** assistive technology devices which can be used to make input and output more accessible to users with disabilities.

Task 3

Look up the webpage <https://www.gov.uk/government/publications/understanding-disabilities-and-impairments-user-profiles> or search for “*understanding disabilities impairments gov.uk*”.

The website gives profiles which show common barriers that people face with digital services and tips for improving these services.

The profiles are as follows:

**Ashleigh**: partially sighted screen reader user

Christopher: user with rheumatoid arthritis

**Claudia:** partially sighted screen magnifier user

**Pawel:** user with Asperger’s

**Ron:** older user with multiple conditions

**Saleem:** profoundly deaf user

**Simone:** dyslexic user

a) Choose two profiles from the list above

Profile one:

Profile two:

b) For each profile, explain one barrier that the user faces when using digital services

Profile one barrier:

Profile two barrier:

c) For each profile, explain one way in which services could be designed or used to overcome the barriers you mentioned in part b.

Profile one method of overcoming barrier:

Profile two method of overcoming barrier:

Task 4

a) Name one Act of Parliament which ensures that people are treated equally in the workplace with regard to IT systems.

b) Legislation is designed to ensure the accessibility of IT systems to disabled employees and job applicants.

 Discuss two ways in which a business could adapt to ensure it doesn’t discriminate.

Task 5

Extreme Tech Apps is a software development company which makes productivity apps for mobile phones.

Their product manager wishes to launch a new application for monitoring the time that employees spend working on each task.

As part of the list of requirements they have included the following:

1. *The application interface (buttons, sliders and other controls) should use in-house graphics. The interface on the home screen and other screens should have a different look and feel.*
2. *The platform is not required to support features such as screen readers and voice input.*

a) Explain two reasons why the requirements given go against the Open Accessibility Framework (OAF).

b) A developer feels that they probably can’t legally carry out the requirements given by the project manager. Explain why this is the case.