**Overview:**

Students work in partners to create a presentation on the subject of the accessibility and regional settings and options available in their assigned software application. The target audience for the presentation will be the ICS2O0 class and target length for the presentation will be 12 minutes (12 slides).

**Objectives:**

* To explore the Accessibility and Regional Equity options that must be considered when designing software applications
* To identify some common configuration options and settings that may be used when installing and running common software applications.

**Instructions:**

Work with a partner to research and prepare a presentation (12 min, 12 slides) on your assigned software application.

Share your completed presentation with Mr. Nestor ([p0079141@pdsb.net](mailto:p0079141@pdsb.net)) using Google Docs or using Email.

Presentations will be given in class starting Monday, March 18th.

**PRESENTATION:** [**https://docs.google.com/presentation/d/1eE3fl6gq844Faj6TCJVD3zWCW5TbYvLEEJ5uhsXyCuY/edit?usp=sharing**](https://docs.google.com/presentation/d/1eE3fl6gq844Faj6TCJVD3zWCW5TbYvLEEJ5uhsXyCuY/edit?usp=sharing)

**Presentation Outline:**

1. **General Application Overview**
   1. **Summarize the purpose of the application and what it does**

IOS is exclusively made for IPhone’s hardware. It is the operating system that presently powers many of the company's mobile devices, including the iPhone, iPad, and iPod Touch.

* 1. **Provide a screen shot of the application related to accessibility (see below)**

check presentation

* 1. **Provide a screen shot of the application related to regionalization (see below)**

Check presentation

1. **Accessibility  
   Accessibility options relate to supporting users with special needs so that they can make effective use of the application in spite of their physical impairment.**
   1. **Visually Impaired**

A visually impaired person may have a lot of trouble using IOS since it would be impossible to navigate through the phone without knowing what you are tapping at. In this case IOS has implemented VoiceOver for IOS which allows you to use your voice as the name implies to navigate throughout the phone. There is also a Zoom function to let you zoom into the screen to read what is being displayed.

* 1. **Hearing Impaired**

A hearing impaired person may struggle using siri or struggle to listen to applications that rely on audio such as Youtube. For partially impaired users there are apple hearing aids, mono audio for those that can hear through one ear, type to siri and face time that allows to talk with other using sign language.

* 1. **Motor Coordination (Use of hands)**

A physically impaired person may struggle using a phone as they won’t be fully capable of accessing the software but they still have their options such as siri, dictation, and predictive text which can help them message others or just type things.

* 1. **Imagine that the application was designed for an impaired person from the ground up. Assuming that it would still be designed for non-impaired users, how might it be different from the current application?**

IOS would heavily relies on software such as VoiceOver for the  visually impaired, hearing aids or several visual cues for the hearing impaired and all the motor coordination things mentioned previously. It can also be that assumed that there may be 3 whole different versions of IOS to accomodate for all the groups of the impaired. Since this has to also be functional for non-impaired users, the normal version of IOS should be present, although it wouldn't have as much support and updates.

1. **Regionalization  
   Regionalization options relate to supporting users living in different countries or speaking different languages. Regionalization also considers differences in date & time formats and different measurement units for temperature and distance.**
   1. **Language**

Although there are plenty of languages supported at the moment IOS still doesn’t support all the languages that exist which can be problematic for those who can’t

speak English or any of the languages currently supported.

* 1. **Location**

GPS, Wifi, Bluetooth allow for the IPhone to detect where the phone is and give a rough estimate with 20 meters of where the user is The IPhone can be used in most urban and developed areas such as New York, Toronto, etc.

* 1. **Imagine that the application was designed by a company from a small country like Sweden. Assuming that it would still be designed for North American users, how might it be different from the current application**

First of all things such as GPS would be more accustomed for Sweden and would have more information on the area, not to mention more support for the Sweden language and more. All in all the software would be more focused on serving Sweden thus giving more support for them.