**1. Introduction**

During the design of our system, accessibility and portability were considered. All users have to be able to use the system without any web browser or operating system restrictions. Another consideration was for the users and their different needs. Our website can be accessed by the disabled and meets their needs.

**2. Accessibility**

Accessibility is something that was greatly considered. It was important to ensure that users will be able to use the system even if they are impaired.

**2.1 Visually Impaired**

To accommodate for visually impaired users, links are easily differentiated from ordinary text via different colour, and links are highlighted on “hover”. Text can easily be enlarged, making it easy for the user to read the page. Having the option of opening images in a new tab makes it easy for the user to zoom in to images as much as they want without affecting the website itself.

**2.2 Easy access**

We are aware that not all users are going to be IT literate so we have used fonts that have are cross platform via “Google (web safe) Fonts” so the users do not have to download the fonts manually. This also eliminates the problem of some browsers not having certain fonts readily available. They have been vetted by Google for consistency and excellent readability.

Similar information has been grouped together so the user can quickly identify information. Accessible terminology is used to help minimise confusion and training time. Filtering the room preferences lowers the chances of users making mistakes and also decreases time spent inputting requests.

**3. Portability**

Our aim was to have users access the system from all operating systems and web browsers. Validating our Cascading Style Sheets and mark up language ensures the system is compatible with web browsers and operating systems.

**3.1 Cascading Style Sheets**

Using style sheets effectively allows content to be shown in a consistent format across the whole system. We have been consistent with design throughout to foster fast familiarity over time. With a clear layout and correct use of emphasis and colour, less time is wasted trying to figure out how to use the system and chances of the user going down the wrong path are reduced.

**3.2 Validation**

The web page has been validated using W3C markup validator to ensure that the mark up language used complies with various standards and guidelines such as WCAG (Web Content Accessibility Guidelines). A DOCTYPE declaration is made at the top of every web page we have created to ensure that our mark up language was reliably validated by W3C. Validating our markup language as well as our Cascading Style Sheets means that the code we used will be compatible with all browsers. Validation also ensures that all future web platforms will be able to effectively run the system, and that the website emanates a high level of professionalism and quality.

**4. Conclusion**

We have made sure the system complies with common accessibility guidelines and ensured the system is compatible with different web browsers. With no portability restrictions, the user can use any web browser and operating system to access the system making it more comfortable for the user to use the system.