There are different digital representations of sign language (DRSL) systems available, which have been widely used and adapted to accommodate a variety of different needs. Although the systems have been continuously refined and adapted, it has been noted that they receive very mixed reviews, and some receive low acceptance rates. This highlights two possible issues, either the DRSL presented to the target audience was inappropriate or the DRSL itself was unable to transmit the information correctly to a Deaf audience.

The information gathered will be examining how people perceive different DRSL's and how the different systems are rated in terms of usability, liability, acceptability, sign language composition and overall preference. This study will compare different DRSLs in order to highlight and understand the different properties, problems and potential uses they have. Firstly there is a background detailing what has been previously noted with DRSL systems. Then the hypothesis will be stated in order to define the area of research, this will then justify and lead to the methodologies used and a section explaining the participant selection for this experiment. There will be details about the pilot studies conducted, what was found, and how the experimental design was adjusted to appropriate the needs of the target audience.