



User Interface Design for Vision  
Impaired Users:  
*Screen Readers and Other Assistive  
Technologies*  
Masterclass Exercise

GitLab Repository: <https://gitlab-student.macs.hw.ac.uk/jm2022/masterclass-exercise>

## Prerequisites

- Code editor
- Web browser
- Screen reader
  - NVDA (recommended) - <https://www.nvaccess.org/download/>
  - Microsoft Narrator - default on Windows OSs
  - VoiceOver - default on Apple OSs

Download the repository and open index.html in a browser.

## Exercise 1

From index.html select “Bad Page”. Run the screen reader and press F5/refresh the page to get a description of the page. Draw what you imagine the page looks like based on the description. Click the show button to reveal the page. How close were you?

A large, empty rectangular box with a black border, intended for the user to draw their imagined version of the “Bad Page” based on the screen reader's description.

## Exercise 2

From index.html select “Good Page”. Run the screen reader and press F5/refresh to get a description of the page. Draw what you imagine the page looks like based on the description. Click the show button to reveal the page. How close were you?



## Exercise 3

Open exercise.html in a code editor and follow the commented requirements to improve the accessibility of the page.

Use the screen reader to make sure the page produces an effective description.