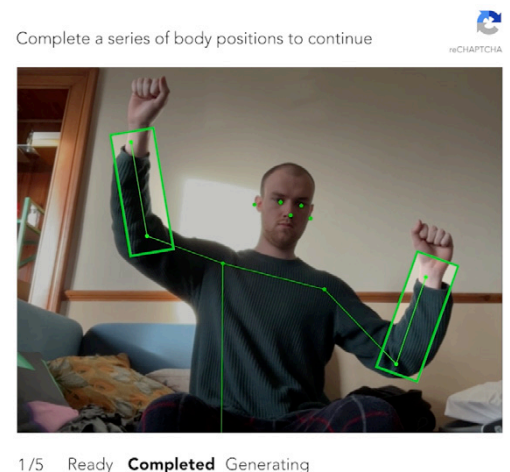
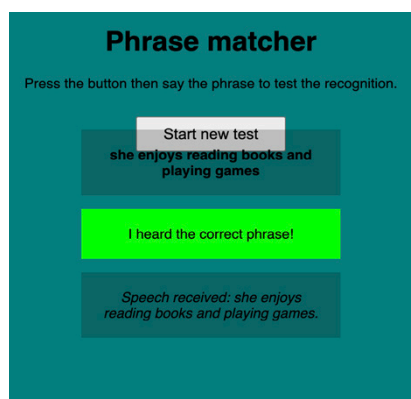


CAPTCHA represents the capabilities of humans that computers don't possess (currently).

There's been various disability charities that have voiced issues with the way CAPTCHAs have defined the border of human capability.

People with visual and mental impairment find CAPTCHAs particularly difficult. There are major ethical issues with the way CAPTCHAs create a standard of what humans should be capable of. A society that involves synthetic media is going to have an issue defining that standard.



The Sentiment CAPTCHA, the user is asked to type something 'sentimental' that is then graded by the sentiment dataset by the computer. If the sentiment score is  $> 0.5$  (50%) the user has passed the test and can continue.  $0.5 < \text{answers}$  are denied.

The Sound CAPTCHA requires the user to repeat a randomly selected phrase. If repeated correctly, access to the next CAPTCHA is granted. Access is denied if the user cannot repeat the phrase correctly.

The Movement CAPTCHA requires users to pose in certain positions. After completing a range of movements, the user is verified as human.