**Accessibility Tests and Results**

This document gives the instructions on how we test all implemented accessibility functions using ARIA and their results.

# ARIA (Screen Reader) & Navigation

ARIA, a screen reader, is meant to aid those who are visually impaired. As an assumption, the website is to be opened with Google Chrome, and using the “ChromeVox Classic Extension.”

The user is able to navigate the page by clicking on various sections on the page. The user can also press the “Tab” key on the keyboard to go through each section of the page from top to bottom. The screen reader will use speakers connected to the PC to read all contents which are selected.

# Understandability (Accurately Spoken Descriptions) & Testing

We go through each webpage of the application and test all contents included in each page which ARIA then uses to read out loud using the speakers connected. The screen reader can read everything including all buttons, input boxes, etc.

We also look at the code (where ARIA is used):

E.g. a submit button. <-- the screen reader will read "submit button" with no context as to what is being submitted and the effects of the submission.

< button name="submit" aria-label="This will submit your answers to the database. Your information will be kept confidential." >

< div id="owner" aria-label="subject"> Subject < /div> < input type="text" aria-labelledby="owner" />

Also, the red text indicating the error will not be noticeable for blind users. Use aria-live="assertive" to ensure updates to the page are immediately read.

# Testing result:

All accessibility related functions are effective, and all the relevant code works as intended.