Dissertation evaluation plan

Evaluation overview: Programmers familiar with JSON files (UofG students from lvl3+) will be presented with several screenreader transcripts of different JSON files, with different sizes, levels of nesting and contents. The structure of the experiment will be between subject A/B testing. One group will be allowed to use the tool to assist in tasks, the other group will not be able to use the tool.

* Recruit programmers with some experience of handling JSON files. Divide participants into two groups
  + Group A: participants that will use tool
  + Group B: participants that wont use tool
* Meet with each participant individually to conduct evaluation
* Brief each participant on the syntax and structure of JSON files. To keep consistent, give participants a printout sheet for the task.
* Brief groups from group A on how to use tool.
* Present participants with task sheet. Time them for each task, and record participant answers on a google form.
* Debrief participant.

Evaluation goals:

The experiment aims to answer the following questions:

1. Does the tool accurately represent the contents of a json file?
2. Does the tool allow for users to quicker determine the contents of a json file?
3. Does the tool effectively and accurately describe the nesting within a json file?
4. Does the tool accurately represent and highlight common object structures within the document?

The following tasks were created to answer the questions above: