These are my list of concerns and suggestions that I have trialled. If you could please read through and implement the following changes/suggestions for the final code if you agree that would be great.

# 1: can the PICF be coded into the run\_exp?

* Currently the PICF/Demographics is ran on its own. Can we please get the consent.py referenced in the run\_exp file similar to the instructions and debrief? **That way the run\_exp is all I need to run at each session.**
  + Also, could we make sure that the participant info from the PICF/Demographics is recorded into a separate excel to their responses from the actual experiment to keep anonymity.
* Additionally, the consent.py needs updating from “**30 minutes** to complete, and no risks are expected to result from participation” to “**60 minutes** to complete, and no risks are expected to result from participation. This is on line 12.

# 2: regarding the instructions

* Based on the design changes we have made; I have created a slightly updated set of instruction PNG files that match this (in the email attached). Are we able to update the latest version to utilise these?
* The “left key” function to return to previous screens during instructions isn’t working as intended:
  + It doesn’t seem to function on information slides in the first half of the instructions.
  + It does seem to work on slides they aren’t supposed to (particularly on the practice feedback slides and other slides that only mention “please press right to continue”).

# 3: regarding the debrief

* Similar to the instructions, the “left key” function to return to previous screens doesn’t seem to work as intended.

# 4: config files

* It will be important that I can easily distinguish/track the unique config files and be able to set up groups of computers for a specific condition (as I’m giving group instructions verbally at the beginning, I will need to have each session/group of participants be dedicated to a single condition, which alternates every session).
  + Currently I have to manually open up each file to check the condition column. As the ordering of each config file is randomised, it is difficult to track what config file is under what condition, and which files I have and have not used.
  + **Can we have the config files organised or labelled per condition? Perhaps in two separate folders?**

# 5: duration of task switching exercise

**In short: We need to cut down the time by reducing number of trials from 560 to 400 (100 per trial type). Explanation below, keep in mind the timings listed are rounded up to consider slower participants.**

## Current code

* I did a few pilot runs of the current version of the code with the adjusted times/durations and newly implemented diagram screens. These were the timings for the current pilot (run\_exp.py):
  + ~5 mins for participants bringing themselves through the instructions.
  + ~48 mins for participants going through 560 trials (11 trials per min).
  + ~2 mins for participants reading the debrief.
* Now to add on my estimate for these extra admin steps needed for the proper sessions:
  + ~5 mins If I were to add time for participants to read and fill out the PICF/Demographics.
  + ~5 mins If I were to bring the whole group through the instructions at the very beginning.
* **Current Total timing Based on Current Github code:**
  + The estimate for a whole session from **start to finish would be ~1 hr 5 mins**, not taking into account me setting up or really slow participants.
    - **(48 mins for task switching exercise + 17 mins everything else).**

## my proposed solution

* **If we were to cut down the number of trials from 560 to 400 (100 per trial type) this would be ~37 mins. This means that estimate for a whole session from starts to finish would be ~54 mins.**
  + **(37 mins for task switching exercise + 17 mins for everything else).**
  + Based on feedback, having 560 trials (almost 50 mins of the exercise only) was demotivating for participants, so cutting it back to 400 trials also helps with participant fatigue and may reduce chance of invalid data from participants trying to rush through the experiment.
* Additionally, participants said that the “black screen” for the ITI seemed too long, and that they would have preferred to move faster to the next trial. Same comments for the “diagram” for the subtask\_cue.
  + **I tried adjusting these from 1 second to .75 seconds and participants said this felt better.**

# 6: regarding the diagram/subtask\_cue slides

* I think how the diagrams currently implemented is great as they don’t detract from the stimuli, yet still is a way to aid the participant. I do think that it is currently too small.
  + I have tested changing the size to (7, 4.5). These sizes make it large enough to see what is going on especially as its only up very briefly.