Usability Test Script

**Introduction**

Hi, \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

My name is Hussein Elhaj, and I’m going to be assessing a performance test on How To Build an Edible D.N.A strand.

Before we get going, I would like to ask you some background questions. The answers to these questions will have no effect on the test itself and are just a way for me to get a good idea of your knowledge on the subject.

* What is your current major?
* Do you have a decent idea of what a DNA strand looks like?
* Have you ever assembled a DNA strand before, maybe as a school project or just a fun family activity?

**Purpose**

The purpose behind this usability test is to assess how effective or ineffective my instructions and images are in helping you build the D.N.A Strand. This is a Performance test and I will be asking you to complete the test as a whole.

I want to emphasize that this test is not to test your ability in any way shape or form. It is more so for me to get a good grasp of the how effective my instructions actually are. I don’t expect my instruction set to be perfect and expect problems to occur throughout.

I encourage you to think out loud throughout the process. Please feel free to point out any problems that you might encounter at certain steps. If any concerns or basic questions arise while putting the molecule together, simply feel free to ask for help. However, I might not be able to answer all your questions and might simply ask you to continue to the best of your ability. This is mainly because it does me more good to see exactly where you are struggling so I can fix up my instruction set and also see if you come up with another solution not mentioned in the instruction set to fix the problem

I screwed up in building this molecule myself and it took me a few tries to get it right. There is absolutely no wrong you can do in building this molecule.

**Time**

The building of this molecule should take no longer than ten minutes to complete. Once ten minutes have passed, I will ask you to stop and ask you some follow up questions.

**Signed Consent**

I\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, volunteer to participate in this performance test.

**Build the Molecule**

Following the step by step instructions provided, begin building the molecule all the way through. Feel free to ask any questions throughout. Please remember to think out loud throughout the process because your input is greatly appreciated. Once the ten minutes are up I will ask you to stop and to answer some follow up questions.

**Follow Up Questions**

On a scale from 1-10, how helpful was the instruction set as a whole? (1 being extremely unhelpful and 10 being extremely helpful)

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More specifically, what steps, tips, or warnings did you find to be the most helpful? Why? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

What steps, tips, or warnings did you find to be the least helpful? Please explain why?

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Did you find the pictures to be a useful and effective guide in helping you build the molecule?

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Please state any troubleshoot issues you faced when building the molecule, as well as any suggestions you have in improving any aspect of this task.

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In your opinion, Is this molecule a useful tool to kids trying to understand what a DNA strand looks like? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_