WRT 307 – Instructions Project

Note: This document is meant to serve as a basic template for what kinds of information should be included in your Usability Report and Testing Data. Since you are posting your information to your Wix website, you may need to modify the design of your information in order for it to present more effectively and be more readable.

Usability Report and Testing Data

Anticipated Problems: Prior to first testing the usability of your product, what problems do you already expect the reader to encounter?

- Some of the steps may be too long
- Image perspectives may need to be changed
- Order of assembly's may not be optimal

Usability Test # 1:

Date of Test: October 2, 2019

Product Tested: Written instructions, Wix instructions/design, or both?

Qualitative Data
(adapted from *Technical Communication* p. 297)

Problem (What difficulty did the reader have?)	**Interpretation** (What might have caused the difficulty?)	**Solution** (What might prevent this difficulty?)
Step one angle not optimal	Image was not clear	Rotate image
Slide 7 needs flip	Its upside down the way it needs to be	Flip image
Up the size on parts list on each side	Forcing confusion and unnecessary stress	Enlarge image size

Quantitative Data

Steps	Estimated Assembly Time	Actual Assembly Time	Time on Instructions	Time on Assembly
1	1	1.5	45	45
2	1	1	30	30
3	2	1	1	1
4	3	3	1	2
5	3	3	1	2
6	2	2	1	1
7	1	1	30	30
8	1	1	30	30
9	1	1	30	30
10	1	30	15	15
11	1	30	15	15
12	1	30	15	15
13	1	30	15	15
14	1	30	15	15
15	1	30	15	15

16	1	30	15	15
17	1	30	15	15
Total:	23 minutes	17.5 minutes	8.75 minutes	8.75 minutes

Discussion: Now that you've completed the first round of user testing and have accumulated some qualitative and quantitative data, what problems did you notice? Are they the ones you expected or ones you did not foresee? Summarize your results and briefly explain what you will do to fix these problems so they do not reoccur during the second round of testing

A lot of the problems we saw were anticipated due to our uncertainty with our design and instructions. Some of them are simple fixes while others change our written instructions drastically. We more so wanted to produce some sort of instructions just so we could make an attempt at making our miniracer. Therefore, since it was a rough draft we noticed that we needed to make a few formatting changes as well. The changes are mostly straightforward and cant be changed in seconds using technology.

Usability Test # 2:

Date of Test:

Product Tested: Written instructions, Wix instructions/design, or both?

Qualitative Data
(adapted from *Technical Communication* p. 297)

Problem (What difficulty did the reader have?)	**Interpretation** (What might have caused the difficulty?)	**Solution** (What might prevent this difficulty?)
Blocks don't have most efficient placement on slide 2 Needs revision	Flaw in design	Shifting the blocks to the most optimal location for design
Too many steps, caused some confusion for beginner lego builder. (slide 11)	Too many instructions in one step	Break up steps into two parts
Too many steps, caused some confusion for beginner lego builder. (slide 12)	Too many instructions in one step	Break up steps into two parts
Too many steps, caused some confusion for beginner lego builder. (slide 14)	Too many instructions in one step	Break up steps into two parts
Slide five highlight positon of pieces so its more obvious	Mistake in creation of the slide	Highlighting the position of the pieces

Quantitative Data

Steps	Estimated Assembly Time	Actual Assembly Time	Time on Instructions	Time on Assembly
1	1.5	2	45	75
2	1	1	30	30
3	1	1.5	1	30
4	3	2.5	1	1.5
5	3	4	1	3
6	2	3	1	2
7	1	1	30	30
8	1	1	30	30
9	1	1	30	30
10	30	30	15	15
11	30	45	15	30
12	30	30	15	15
13	30	45	15	30
14	30	50	15	35
15	30	45	15	30
16	30	30	15	15
17	30	30	15	15
Total:	18.5	21.5	8.75	13.33

Final Usability Testing Discussion: How did this second test go? Did you notice any of the problems from the first usability test cropping up again, or did you notice any *new* problems emerge? If so, what are they and how do you plan on fixing them? Also, if you made any changes to improve usability that have not been mentioned above, describe them and their results.

After revising our instructions after the first usability test, we found that a lot of our steps were too convoluted and needed to be broken up into simpler steps. Our testing group helped point this out to us which was quite helpful since we did not initially notice the complexity of the instructions since we designed them. We were able to fix our main reoccurring problem by simply breaking up the steps and although it made the instructions a little longer it definitely helped with the clarity of the instructions. Additionally, we had one flaw in the design that just involved a piece being moved one space back that was an easy fix.