Requirements Testing

**TEST MATRIX:**

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| **Requirement** | **Test Case** |
| 1.1.1 | 1  2 |
| 1.1.7 | 1 |

Requirement 1.1.1

Test case 1:

Setup a user that chooses a category, such as science, in this case, and have the user search up science related topics with a specific tag, such as biology, chemistry, physics, etc. This user will select biology. Check that results that appear after search are related to what category the user is currently in. In this case, science, and biology within that. Nothing off topic.

Test case 2:

Setup a user that chooses the category math, and within the math category, selects the topic of probability & statistics. Have the user search for unrelated topics such as “sports team game schedule” or “how to change car oil” or even something from another subject matter. Make sure that the search results display only websites that pertain to math and probability & statistics, in this case. Unless there is somehow an educational site that pertains to math and probability & statistics and has an example problem or something related to sports or cars, or whatever the off topic search is, it should display nothing directly related to the off topic search.

Requirement 1.1.7

Test case 1:

Setup a user to open the app, start focus mode, and begin their session. Have an outside call, or text come in, or some sort of emergency warning and check that the app allows the user to exit focus mode that instant and deal with whatever is going on. Make sure that whatever is interrupting the session has the permission to interrupt and not distract.