Guidelines for Participant

This test is designed to determine usability flaws in the Bugbytes Mobile Application. The application is designed to assist the user in identifying a bug/snake in an outdoor setting. You will be asked to complete a questionnaire before testing, complete three tasks using the application, then complete a questionnaire after testing. Any information you provide will be kept confidential. You may opt to withdraw from the test at any time. If you have any questions, please ask your administrator.

For the testing portion, you will thrice be asked to identify a creature using the application in a certain fashion, such as using a picture or name. If you are already familiar with the creature, please try to identify it as if you had seen it for the first time. Please attempt to complete the tasks while asking the administrator for as little assistance as possible. We would appreciate it if you would speak aloud your thought process to assist us in identifying problems. When you believe you have completed each task, please inform the administrator. Before beginning, please sign your name on the Experimental Consent Form.

Guidelines for test administrator:

Remind the participant that they are not being tested, it is the interface that is being tested. Do not provide the participant assistance in a task unless asked for, or if they are completely stuck. Time the user for each of the three tasks, ending once the participant indicates that they have completed it (if they don’t, ask them if they are done at an appropriate stage).

Questionnaire

Age: _______ Gender: M / F
Area of work: __________________________

Nature of outdoor experience (circle all that apply): Leisure  Hobbyist
Professional

Rank your proficiency with technology:  1  2  3  4  5
   lowest

Smartphone ownership: none  BlackBerry  iPhone  Android  Windows

How long have you had a smartphone?  N/A  0-6 months  6-12 months  1-2 years  longer

Rank your general knowledge of bugs:  1  2  3  4  5
   lowest

Rank your general knowledge of snakes:  1  2  3  4  5
   lowest

Do you have 20/20 vision (with or without glasses)?  Yes  No
Are you colorblind?  Yes  No
Do you wear a hearing aid?  Yes  No

User Tasks

Please tell your test administrator when you finish each task

I. Identify by State and Risk
   1. Select the state of __________ from the state selection screen
   2. Determine the name of a creature of type __________ with risk “High”
   3. Determine the name of a creature of type __________ with risk “Low”

State:
Creature Names:
II. Identify by Picture
1. The administrator will provide you with a picture
2. Select “Search in USA” on the state selection screen
3. On the next screen, choose to identify a creature of the same type as the one in the picture
4. Use the questions to best identify the creature in the picture
5. Select the creature that you believe is the best match
6. Please read through the creature profile in its entirety and determine if dangerous
7. Can this creature be found in Maryland?

Creature Name: 
Time Taken: 

III. Identify by Name
1. The administrator will provide you with the name of a creature
2. Select “Maryland” on the state selection screen
3. On the next screen, choose to browse creatures by name
4. Select the creature based on its name
5. Please read through the creature profile in its entirety and determine if dangerous
6. Can this creature be found in Maryland?

Creature Name: 
Time Taken: 

Post-Test Questionnaire

1. Please circle the numbers that best reflect your impressions about the application:

Overall reaction to the application: 1 2 3 4 5 6 7 8 9
   terrible                           wonderful

Organization of the display: 1 2 3 4 5 6 7 8 9
   unintuitive                      intuitive

Design of the display: 1 2 3 4 5 6 7 8 9
   unattractive                     attractive

Order of screens: 1 2 3 4 5 6 7 8 9
illogical logical

Amount of information displayed: 1 2 3 4 5 6 7 8 9
too little too much

Usefulness of information displayed: 1 2 3 4 5 6 7 8 9
useless useful

2. Did you encounter anything that prevented you from accessing information you wanted? If so, what was it?

3. Did you have difficulty completing any particular task? If so, what was it and why?

4. Please list any components of the application that did not function as you expected, and how you might change them.

5. Write any general comments or suggestions you have about the application.
6. Would you personally find an application like this to be useful?

Thank you for participating!