Usability Test Protocol
Team - Varied Learning
Project - Bash_It Website


**Introduction**

(Following informed consent…)

The problem space that we are working on is varied learning, specifically when it comes to learning to program, such as learning Linux Bash. When learning Bash, there is a lot of new information to learn which can be intimidating to new users. There are a few ways to learn commands such as man pages and looking for help on the internet, but there is no platform that contains thorough explanations, videos, examples, and more that fully explain to users how to use commands and make learning easier. This is the problem we wish to address with our website.

Thank you for agreeing to participate. For the next 30 minutes, we will be looking at a website to gain insight into how you would use it and how to make it easier to use. Keep in mind though, that this is not a test of you, we are evaluating the website.

We will be video recording this interview for note-taking purposes so I can go back and review it in case I missed anything. At the end of the study, we will delete the recording. Your name and any other personal information will not be included in the notes and will be kept strictly confidential.

While you use the website, I would like you to "think out loud" and let me know what you are doing and thinking – what you like and dislike, what surprises or confuses you, and any other thoughts you have.

Do you have any questions before we begin?

**Background**

First, let me ask you a few questions about your previous coding experiences.
1) Do you know how to code?
        Languages (Python, C++, ect):

        Where (School, self taught, ect):

2) Are you familiar with Bash?
        Proficiency (beginner/ adept/ expert):

        Scripting (makefiles):

4) Have you used any websites to learn how to code?
        Purpose of Visit(ie. Debug):

Websites (ie codecademy):

Videos (ie Youtube):

Forums (ie Stackoverflow):

## Task 1
<testing: Usage w/o Login>
You are a first time visitor to this website and want to learn as much as you can about this command. You specifically want to read about the usage for this command to learn the basics and also hope to get some practice using it. Now, I want you to imagine you want to learn more about some command that will let you see what is on your computer from the command line.
*Note: order of navigation/ features used AND mistakes or backtracking* *(8 blank lines for writing space)*

| | | |
|---|---|---|
| *Able to navigate to the man page:* | *Yes* | *No* |
| *Able to navigate to the practice page:* | *Yes* | *No* |
| *Completed practice problem:* | *Yes* | *No* |
| *Task Completed:* | *Yes* | *No* |

On a scale from 1-5, where 1 is "Very Difficult" and 5 is "Very Easy" how would you rate being able to use this website design to accomplish your task? Why? *(5 blank lines for writing space)*

## Task 2
<testing: login>
Imagine yourself as a repeat user to this website and wish to make an account on the website. Since you are aware that other people can view your profile, you would like to create a full profile using any available features on the site.

For privacy reasons we will be providing you with all of the fake information necessary for you to use for the sake of this task.
*Note: order of navigation/ features used AND mistakes or backtracking*

*Could make an new account:*                              *Yes    No*
*Was able to edit PI on account:*                        *Yes    No*
*Was able to upload a photo for account:*    *Yes    No*
*Task Completed:*                                     *Yes    No*

On a scale from 1-5, where 1 is "Very Difficult" and 5 is "Very Easy" how would you rate being able to use this website design to accomplish your task? Why?

**Task 3**
<testing: practice scripting>
Imagine yourself being new to programming. You want to learn how to use some basic command line prompts, while also learning how to apply them. Ideally, you want to get some kind of hands-on experience with this particular prompt.
*Note: order of navigation/ features used AND mistakes or backtracking*

*FInd an easy/ beginner section:*                      *Yes    No*
*Find a prompt to search folders:*                   *Yes    No*
*Able to get hands on experience:*                  *Yes    No*
*Task Completed:*                                     *Yes    No*

On a scale from 1-5, where 1 is "Very Difficult" and 5 is "Very Easy" how would you rate being able to use this website design to accomplish your task? Why?

**Task 4**

<testing: using the forum>

Imagine you are learning a new Bash topic and are receiving errors on a script. You are not sure what is causing these errors and would like to solve them to get your script working.

*Note: order of navigation/ features used AND mistakes or backtracking*

| | | |
|---|---|---|
| *Able to navigate to forum page:* | *Yes* | *No* |
| *Able to search for particular question:* | *Yes* | *No* |
| *Able to create new forum question:* | *Yes* | *No* |
| *Task Completed:* | *Yes* | *No* |

On a scale from 1-5, where 1 is "Very Difficult" and 5 is "Very Easy" how would you rate being able to use this website design to accomplish your task? Why?

**Wrap Up**

Now that you have used the website, I want to know more about your impressions of it.

Overall, what did you like most about the site?

What did you dislike the most about the site?

How did you feel about the layout and look of the site?

On a scale from 1-5, where 1 is "Very Difficult" and 5 is "Very Easy" how would you rate being able to use this website? Why?

Are there any additional features you would like for it to have?

Now, I'd like to look back at certain parts of the search tool and get your thoughts on them:

"More" –

Any other thoughts or comments?

Thank you again, your feedback will help the team improve the website!