

Evaluation Assignment # 4

Usability Test Plan

Sree Ram Akula
(sreerama@mtu.edu)

Programming Staff - Staff Gauge

Staff Gauge Description

Staff Gauge application forms a citizen scientist network which allows its users to upload the hydrology data about wetland and water stream from sites places on trails, in parks, and along rivers around the world. The primary focus of this application is to provide easier method for the users to upload the information. To perform such tasks the design of application should be easy, clear and efficient.

Pretest Questions

1. How many years have you used a smart phone?
2. What are your expectations to a website that gathers information?
3. What facilities would you expect to find?
4. Please indicate your level of agreement to the follow statement:
I am very interest in the testing of this android application.
 - Strongly agree
 - Agree
 - Neutral
 - Disagree
 - Strongly disagree

Test 1

1. Test Scenario Name : Account Registration

2. Test Goals for the scenario:

The goal of this scenario is to reference the average time per participant in creating and restoring their account if they forget the login credentials.

3. Quantitative Measurement list:

Timer will be used to get the speed of creating and restoring an account.

4. Scenario Description:

This is read to the participant

“ In this test we are going to test the speed and efficiency in creating an user account. I'll start the timer and say Go then you assume that this is your first time using this application so you need to create an account. Then I'll stop the timer after you are done creating your account. Now you assume that you already have an account and you couldn't remember the login credentials so you need to restore your account.”

5. Task List:

Users are expected to perform

- Press 'Login/sign up'
- Enter email address
- Enter User name
- Enter Password
- Confirm Password

- Press 'Sign Up'
Users are expected to perform
- Press 'Login/sign up'
- Press 'Forgot User name'
- Enter email address
- Press ' Send Remainder Email'

6. Qualitative Measurement List:

Can figure out if the correct user name or password are sent to the given email address.

7. Potential observations of the Participants:

The participants may say some thing like “ Its hard to figure out what is the requirement of the password”.

8. Bug Report Form:

Bug Number	Bug Name	Bug Uniqueness	Bug Location	Bug Description

9. Post Scenario Interview Questions:

- What feature of the application frustrated you the most?
- What feature of the application did you like the best?
- Were all the functions/buttons easy to find? Please provide details about the functions/buttons you did AND did not like. At least one of each.
- Did you intuitively understand what each function did? Please provide details about the functions/buttons you did AND did not understand. At least one of each.
- Is there any thing missing
- Is there any thing you think should be presented differently

10. Test Setup Details:

Open the application in the browser and navigate to the main page.

Test 2

1. Test Scenario Name : Manual Entry Of Data

2. Test Goals for the scenario:

The goal of this scenario is to reference the average time per participant for the manual entry of data and to check if this task can be performed with ease.

3. Quantitative Measurement list:

Timer will be used to get the speed of entering data manually.

4. Scenario Description:

This is read to the participant

“ In this test we are going to test the speed and efficiency in entering data manually. I'll start the timer and say Go then you assume that you are on the shore of lake Superior and you came across a Staff Gauge you thought of uploading the data but you have some problem with your camera so you need to enter the data manually. Then I'll stop the timer when you are done entering the data manually.”

5. Task List:

Users are expected to perform

- Press 'Login/sign up'
- Enter email address
- Enter Password
- Press 'Login'
- Enter the measurement of water shown on staff gauge in centimeters
- Enter the Staff Gauge number present on it
- Press ' Submit'

6. Qualitative Measurement List:

Can figure out if the user is able to perform the task with out any errors for the first time and to find if they encounter any problems.

7. Potential observations of the Participants:

The participants may say some thing like “ Its hard to figure out that if I have entered the correct gauge number or not as the display is small”.

8. Bug Report Form:

Bug Number	Bug Name	Bug Uniqueness	Bug Location	Bug Description

9. Post Scenario Interview Questions:

- a) What feature of the application frustrated you the most?
- b) What feature of the application did you like the best?
- c) Were all the functions/buttons easy to find? Please provide details about the functions/buttons you did AND did not like. At least one of each.
- d) Did you intuitively understand what each function did? Please provide details about the

functions/buttons you did AND did not understand. At least one of each.

e) Is there any thing missing

f) Is there any thing you think should be presented differently

10. Test Setup Details:

Open the application in the browser and navigate to the main page.

Test 3

1. Test Scenario Name : Entering data by clicking the picture

2. Test Goals for the scenario:

The goal of this scenario is to reference the average time per participant for the entry of data by clicking the picture or by selecting it from gallery and to check if this task can be performed with ease.

3. Quantitative Measurement list:

Timer will be used to get the speed of entering data using a picture.

4. Scenario Description:

This is read to the participant

“ In this test we are going to test the speed and efficiency in entering data by clicking a picture. I'll start the timer and say Go then you assume that you are on the shore of lake Superior and you came across a Staff Gauge you thought of uploading the data. You need to upload the data by using a picture either from gallery or by clicking it. Then I'll stop the timer when you are done entering the data manually.”

5. Task List:

Users are expected to perform

- Press 'Login/sign up'
- Enter email address
- Enter Password
- Press 'Login'
- Press 'Use/Take Picture'
- Choose gallery or camera
- Select a picture from the gallery or click it
- Press 'Use Picture'

6. Qualitative Measurement List:

Can figure out if the user is able to perform the task with out any errors for the first time and to find if they encounter any problems.

7. Potential observations of the Participants:

The participants may say some thing like “ Its easy to enter data using pictures rather than entering manually”.

8. Bug Report Form:

Bug Number	Bug Name	Bug Uniqueness	Bug Location	Bug Description

9. Post Scenario Interview Questions:

- What feature of the application frustrated you the most?
- What feature of the application did you like the best?
- Were all the functions/buttons easy to find? Please provide details about the functions/buttons you did AND did not like. At least one of each.
- Did you intuitively understand what each function did? Please provide details about the functions/buttons you did AND did not understand. At least one of each.
- Is there any thing missing
- Is there any thing you think should be presented differently

10. Test Setup Details:

Open the application in the browser and navigate to the main page.

Test 4

1. Test Scenario Name : Tracking your work

2. Test Goals for the scenario:

The goal of this scenario is to track your work or your uploads on different or same staff gauge.

3. Quantitative Measurement list:

There will be no quantitative measurements for this scenario.

4. Scenario Description:

This is read to the participant

“ In this test we are going to test efficiency in tracking the work you have uploaded. Assume that you are a returning user of this application and have been using this for some time. And you have uploaded your work at any chance you got to do so but you are not sure how many times you have done or you just wanted to check the change in the level at any particular gauge. So you have to track your work by logging in to your account.”

5. Task List:

Users are expected to perform

- Press 'Login/sign up'
- Enter email address
- Enter Password

- Press 'Login'
- Press 'My Work'
- Press 'Back'

6. Qualitative Measurement List:

Can figure out if the user is able to perform the task with out any errors for the first time and to find if they encounter any problems.

7. Potential observations of the Participants:

The participants may say some thing like “ Its difficult to figure out the changes in a particular staff gauge” or “Its easy to figure out how many times I've uploaded the data”.

8. Bug Report Form:

Bug Number	Bug Name	Bug Uniqueness	Bug Location	Bug Description

9. Post Scenario Interview Questions:

- What feature of the application frustrated you the most?
- What feature of the application did you like the best?
- Were all the functions/buttons easy to find? Please provide details about the functions/buttons you did AND did not like. At least one of each.
- Did you intuitively understand what each function did? Please provide details about the functions/buttons you did AND did not understand. At least one of each.
- Is there any thing missing
- Is there any thing you think should be presented differently

10. Test Setup Details:

Open the application in the browser and navigate to the main page.

Additional Questions

1. Please indicate your level of agreement to the follow statement:

Overall, this web application was easy to perform the task.

- Strongly agree
- Agree
- Neutral
- Disagree
- Strongly disagree

2. If you were to give Tower two pieces of advice what would those be?
3. If you should mention two things you found especially good about the website, what would they be?

4. Please indicate your level of agreement to the follow statement:

I enjoy using this web application.

- Very much
- A little bit
- Neutral
- Not very much
- Not at all

5. Please indicate your level of agreement to the follow statement:

I would use this web application again.

- Strongly agree
- Agree
- Neutral
- Disagree
- Strongly disagree