

Evaluation Assignment 4

Usability Test Plan

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Team 2

Team Details

Name	Role
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About the app: **Drinking Water Inspection**

Drinking water inspection application is used to test the drinking water. The water is checked annually which is known as Annual Site Visit (ASV) , consist of an examination of the source of the water . The objective of this app is to provide a means to collect inspection data about sanitary defects during ASVs, submit this data to the WI Department of Natural Resources drinking water database, and print out a professional quality report for the client.

Pretest Questions : (Reference: Common Usability Test Questions.docx)

1. How many years have you used a smartphone?

2. How many years have you used a computer?

3. 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 : Source Issues

2. Test Goals for the scenario:

The goal is to decide whether there are any source issues or not and if there are any issues present, please select the kind of issues.

3. Quantitative Measurement list:

The user needs to check different source issues such as flood water, conduit missing, vent, grout and the other source issues that are present in it.

4. Scenario Description :

The user of this app should check the different sources such as well cap, opening through well cap, then should mark the item that are damaged and the time taken to record this issues should also be recorded.

5. Task List:

- a) Open the Drinking Water Inspection application.
- b) Select the option Element 1(Source Issues)
- c) Check whether there are any sources Issues present
- d) If there are any issues present, then tick the issue present correctly.

6. Qualitative Measurement List :

- a) Reaction of user while checking the sources
- b) User comments
- c) Comfort of user

7. Potential observations of participant

- a) User Interaction with the application
- b) User suggestion for the interface of the application.

8. Bug Report Form :

Bug Number	Bug Name	Bug Uniqueness	Bug Location	Bug Description

9. Post Scenario Interview Questions:

Different questions to the user about the interface of element 1

Test 2

1. Test Scenario Name : Pumps, Pump Facilities and Control issues

2. Test Goals for the scenario:

The goal is to decide whether there are any specific problem with pipes and if there any issues, the specific issue should be selected

3. Quantitative Measurement list:

The user needs to check different pump issues such as pipe leaking, non complying well issue and the other issues that are present in it.

4. Scenario Description :

The user of this app should check the different sources of the pump and the pipe leakage , then should mark the item that are damaged and the time taken to record this issues should also be recorded.

5. Task List:

- a) Open the Drinking Water Inspection application.
- b) Select the option Element 2(Pumps, Pump Facilities and Control issues).
- c) Check whether there are any pump Issues present or not.
- d) If there are any issues present, then tick the issue present correctly.

6. Qualitative Measurement List :

- a) Reaction of user while checking the sources
- b) User comments
- c) Comfort of user

7. Potential observations of participant

- a) User Interaction with the application
- b) User suggestion for the interface of the application.

8. Bug Report Form :

Bug Number	Bug Name	Bug Uniqueness	Bug Location	Bug Description

9. Post Scenario Interview Questions:

Different questions to the user about the interface of element 2

Test 3

1. Test Scenario Name : Storage Issues

2. Test Goals for the scenario:

The goal is to decide whether there are any specific storage problem and if there any issues, the specific issue should be selected.

3. Quantitative Measurement list:

The user needs to check different storage issues such as pressure, tank deterioration and the other issues that are present in it.

4. Scenario Description :

The user of this app should check the different storage issues of tank, then should mark the item that are damaged and the time taken to record this issues should also be recorded.

5. Task List:

- a) Open the Drinking Water Inspection application.
- b) Select the option Element 3(Storage Issues).

- c) Check whether there are any Storage Issues present or not.
- d) If there are any issues present, then tick the issue present correctly.

6. Qualitative Measurement List :

- a) Reaction of user while checking the sources
- b) User comments
- c) Comfort of user

7. Potential observations of participant

- a) User Interaction with the application
- b) User suggestion for the interface of the application.

8. Bug Report Form :

Bug Number	Bug Name	Bug Uniqueness	Bug Location	Bug Description

9. Post Scenario Interview Questions:

Different questions to the user about the interface of element 3

Test 4

1. Test Scenario Name : Treatment Issues

2. Test Goals for the scenario:

The goal is to decide whether there are any specific treatment issue and if there any issues, the specific issue should be selected.

3. Quantitative Measurement list:

The user needs to check different treatment issues such as broken parts, filters not cleaned and the other issues that are present in it.

4. Scenario Description :

The user of this app should check the different treatment issues of tank, then should mark the item that are damaged and the time taken to record this issues should also be recorded.

5. Task List:

- a) Open the Drinking Water Inspection application.
- b) Select the option Element 4(Treatment Issues).
- c) Check whether there are any Treatment Issues present or not.
- d) If there are any issues present, then tick the issue present correctly.

6. Qualitative Measurement List :

- a) Reaction of user while checking the sources
- b) User comments
- c) Comfort of user

7. Potential observations of participant

- a) User Interaction with the application
- b) User suggestion for the interface of the application.

8. Bug Report Form :

Bug Number	Bug Name	Bug Uniqueness	Bug Location	Bug Description

9. Post Scenario Interview Questions:

Different questions to the user about the interface of element 4

Test 5

1. Test Scenario Name : Distribution System Issues

2. Test Goals for the scenario:

The goal is to decide whether there are any cross connection issues and if there any issues, the specific issue should be selected.

3. Quantitative Measurement list:

The user needs to check different cross connection issues such as air gaps missing, dead end plumbing and the other issues that are present in it.

4. Scenario Description :

The user of this app should check the different cross connection issues of tank, then should mark the item that are damaged and the time taken to record this issues should also be recorded.

5. Task List:

- a) Open the Drinking Water Inspection application.
- b) Select the option Element 5(Distribution System Issues).
- c) Check whether there are any Distribution System Issues present or not.
- d) If there are any issues present, then tick the issue present correctly.

6. Qualitative Measurement List :

- a) Reaction of user while checking the sources
- b) User comments
- c) Comfort of user

7. Potential observations of participant

- a) User Interaction with the application
- b) User suggestion for the interface of the application.

8. Bug Report Form :

Bug Number	Bug Name	Bug Uniqueness	Bug Location	Bug Description

9. Post Scenario Interview Questions:

Different questions to the user about the interface of element 5

Test 6

1. Test Scenario Name :Corrective Actions

2. Test Goals for the scenario:

The goal is to check whether any corrective actions are needed and if there are any changes the date and the changes needs to be mentioned.

3. Quantitative Measurement list:

The user needs to check for different corrective actions such as air gaps missing, dead end plumbing and the other issues that are present in it.

4. Scenario Description :

The user of this app should update the corrective actions and mention the corrective action date and the corrective action taken.

5. Task List:

- a) Open the Drinking Water Inspection application.
- b) Select the corrective action date
- c) Also write the action taken taken in corrective action blank.

6. Qualitative Measurement List :

- a) Reaction of user while checking the sources
- b) User comments
- c) Comfort of user

7. Potential observations of participant

- c) User Interaction with the application
- d) User suggestion for the interface of the application.

8. Bug Report Form :

Bug Number	Bug Name	Bug Uniqueness	Bug Location	Bug Description

9. Post Scenario Interview Questions:

Different questions to the user about the interface of corrective action.

Post-test questions:- (Reference: Common Usability Test Questions.docx)

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

Overall, this application was easy to perform the task.

1. Strongly agree
2. Agree
3. Neutral
4. Disagree
5. Strongly disagree

2) Please indicate your level of agreement to the follow statement:

I enjoy using this application.

1. Very much
2. A little bit
3. Neutral
4. Not very much
5. Not at all

3) Please indicate your level of agreement to the follow statement:

I would use this application again.

1. Strongly agree
2. Agree
3. Neutral
4. Disagree
5. Strongly disagree