

Evaluation 4  
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# Usability Test Plan

## Scenario 1 – Find Any Point, then Find the Beach to the North

The goal of this scenario is to make sure the basic map navigation is intuitive to the user.

### *Quantitative Measurements*

- Whether or not the participant completed the task
- The time it took to complete the task
- Whether or not additional instruction was required to complete the task
- What questions the participant asked, if any
- Which point was clicked on in part 1

### *Description*

Appendix A

### *Task List*

The participant will tap on a pre-existing point on the map, will probably read some of what's on the point (if there's a description given), and will close the point. They will then pinch the screen to zoom back out. Then, they will move the map so that they can see the Beach point to the North, tap on it, perhaps read the short description, close it, and zoom back out.

### *Qualitative Measurements*

Whether the participant seemed to be confused at any point – if so, where and why?

### *Potential Observations*

The participant may confirm or deny that they were confused. If they confirm, it is likely they'd be able to describe where and why. Otherwise, that will have to be reasoned through based on our observations.

### *Bug Report Form*

See Appendix B

### *Post-Scenario Interview Questions*

- What did you think of this part of the app?
- How intuitive was the app for this task? (1-5 scale, given on paper)
- How easy was the app to use for this task? (1-5 scale, given on paper)
- Is there any way the task can be improved without adding features?
- Are there any features the app does not have for this task that you think it should have?

### *Test Setup Details*

The users will be performing the test two at a time in a large room. Each simultaneous participant will be sufficiently far away from the other. The users will use the app via iPad. There are no unusual components to this usability test.

## **Scenario 2 – Comment on a Point**

The goal of this scenario is to ensure that the user can interact with other users in a meaningful way.

### *Quantitative Measurements*

- Whether or not the participant completed the task
- The time it took to complete the task
- Whether or not additional instruction was required to complete the task
- What questions the participant asked, if any
- Which point was chosen to comment on

### *Description*

See Appendix A

### *Task List*

The user will tap on a pre-existing point on the map and, having read the description, they will submit a comment on it.

### *Qualitative Measurements*

- Whether the participant seemed to be confused at any point – if so, where and why?
- What sort of things does the participant want to comment about?
- Does the user see value in interaction with other people on the app?

### *Potential Observations*

The participant will be instrumental in illuminating what the app will be primarily used for by the end user. Because of this, previously unforeseen or negligible problems may become higher priority. As well, the participant will likely be able to expand on the source of any confusion they encounter.

### *Bug Report Form*

See Appendix B

### *Post-Scenario Interview Questions*

- What did you think of this part of the app?
- How intuitive was the app for this task? (1-5 scale, given on paper)
- How easy was the app to use for this task? (1-5 scale, given on paper)
- Is there any way this task can be improved without adding features?
- Are there any features the app does not have for this task that you think it should have?
- Why did you decide to comment in the way that you did?
- How satisfied are you with the comment you wrote? (1-5 scale, given on paper)

### *Test Setup Details*

The users will be performing the test two at a time in a large room. Each simultaneous participant will be sufficiently far away from the other. The users will use the app via iPad. No additional setup is required for this task.

### **Scenario 3 – Create Your Own Point**

The goal of this scenario is to ensure users can contribute content to the app, as the app's content is almost entirely user generated.

#### *Quantitative Measurements*

- Whether or not the participant completed the task
- The time it took to complete the task
- Whether or not additional instruction was required to complete the task
- What questions the participant asked, if any
- Where the participant placed the point
- What was added to the point
- What fields on the point were left blank

#### *Description*

See Appendix A

#### *Task List*

The user will select a year, tap any point on the map other than a pre-existing point, and will fill in the relevant pieces of information to create a point. Afterward, they will be asked about why they created the point they did.

#### *Qualitative Measurements*

- Whether the participant seemed to be confused at any point – if so, where and why?
- What kind of point does the user create?
- What is the purpose of the user's point?

#### *Potential Observations*

The participant will help us understand why they create points and what sort of points users will want to create. This could help us identify areas where functionality could be expanded and/or where it can be reduced for optimization. And, of course, they will likely be able to help us understand the source of any confusion with the app.

#### *Bug Report Form*

See Appendix B

#### *Post-Scenario Interview Questions*

- What did you think of this part of the app?
- How intuitive was the app for this task? (1-5 scale, given on paper)
- How easy was the app to use for this task? (1-5 scale, given on paper)
- Is there any way the task can be improved without adding features?
- Are there any features the app does not have for this task that you think it should have?
- What was the purpose of the point you created?
- How satisfied are you with the point you created? (1-5 scale, given on paper)

#### *Test Setup Details*

The users will be performing the test two at a time in a large room. Each simultaneous participant will be sufficiently far away from the other. The users will use the app via iPad. No additional setup is required for this task.

## **Appendix A – Instructions by Task**

### **Scenario 1**

#### Before they begin:

“First, tap on any of the given points on the map. Look at the details of the point, then close the point and zoom out. Feel free to ask any questions that come to mind. We will answer them if possible.”

#### Upon completion of the first step:

“Now, find the point for the beach. This is on the north side of the map. Once you find it, click on it, and then close the point and zoom out.”

### **Scenario 2**

“As in the first task, tap on any of the given points on the map. Find one you like. Then, once you've found one, post a relevant comment on it.”

### **Scenario 3**

“Now that you're familiar with the app and its basic functions, please click anywhere on the map to bring up the point creation prompt. Then, use the prompt to create your own point. We remind you that you should feel free to ask any questions you have.”

