



Beach Monitoring App Usability Test Results

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Test Process:

Explaining participants basic purpose of app.

Signing consent form.

Answering pre-test questions.

Perform three test scenarios.

Answering post test questions.

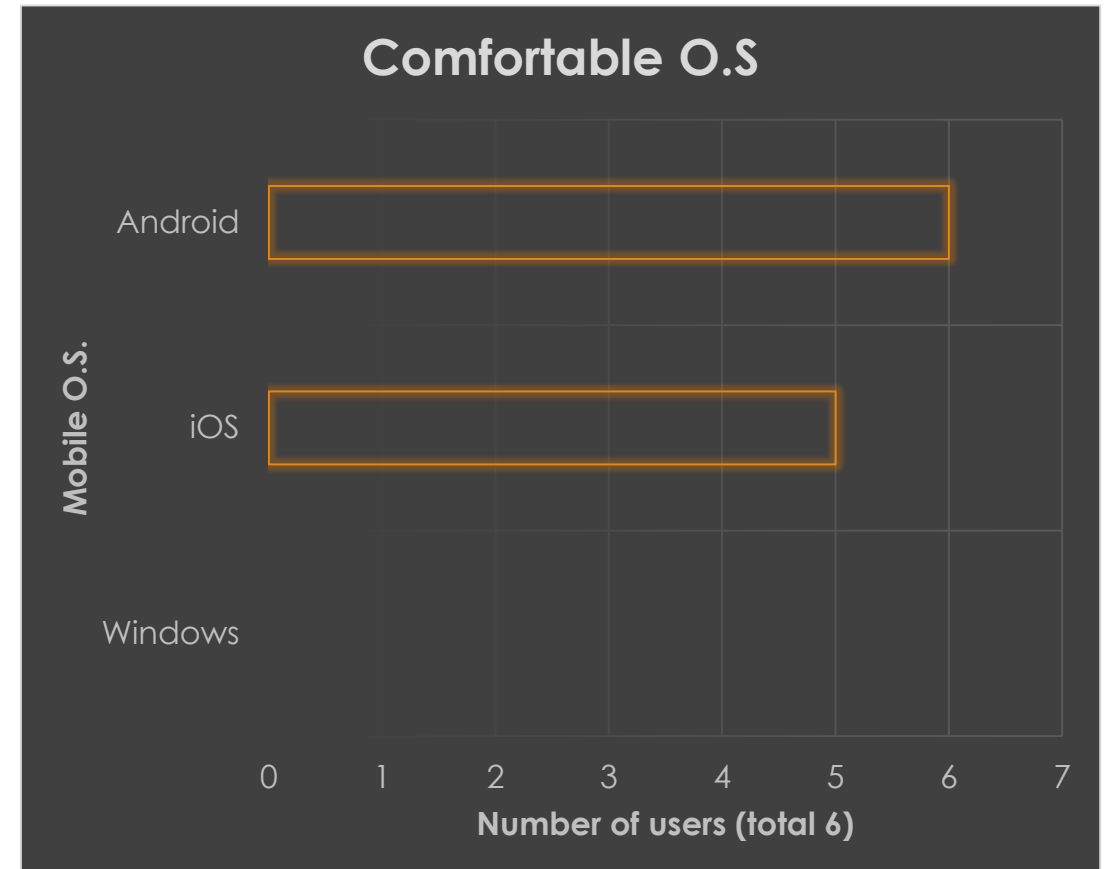
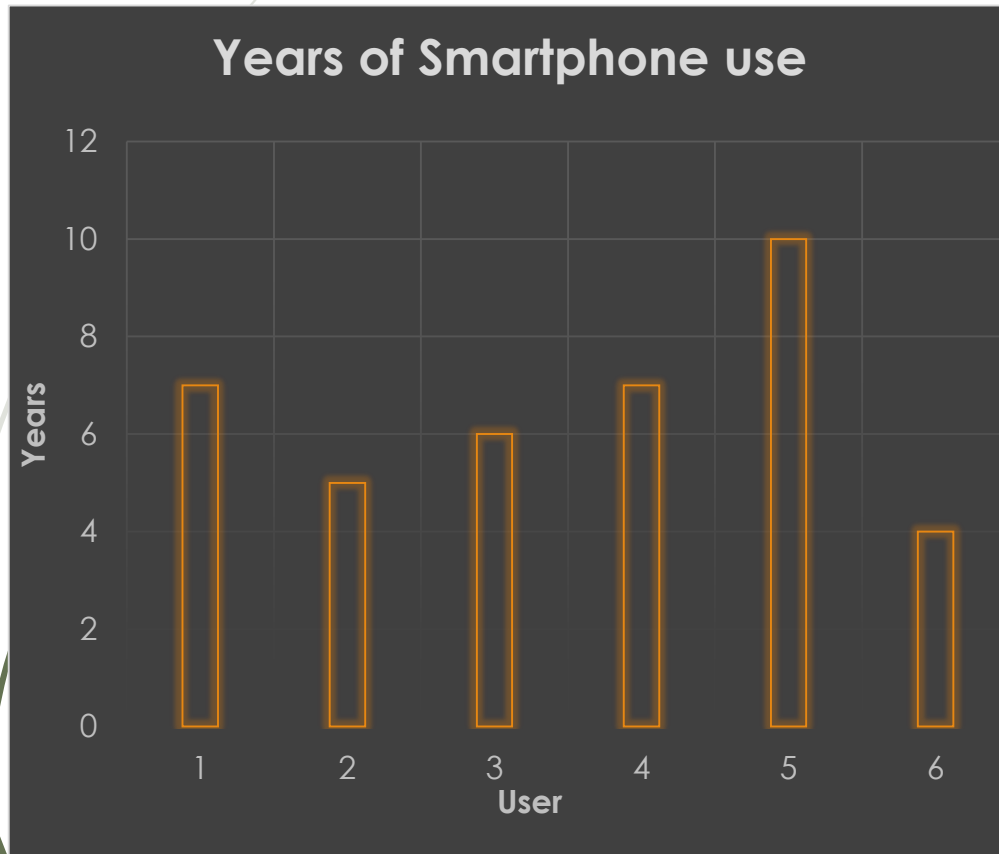


Test Scenarios:

- ▶ Scenario 1: Create and submit report.
- ▶ Scenario 2: View and edit un-submitted report and review past report.
- ▶ Scenario 3: Offline test.

- ▶ Test observers took notes and observe the participant for various qualitative and quantitative measurement.
- ▶ Testing Environments:
 - ▶ Android OS (Android phones)
 - ▶ iOS (iPhone & iPad)

Pre-test questions:



Test Data: Qualitative measurements

User's Facial Expression

- Several different expressions on different stages of app
- Curious, Frustrated.

User's Attention towards tasks

- Every user was attentive towards tasks

User's Comfort

- Mostly Comfortable
- Got some frustration filling long forms

Reasons User's ask for assistance

- Mostly the questions was about the form contents
- Saving the report

Test Data: Quantitative measurements

Time taken to complete task

- 7 to 12 min

Ask for assistance

- Sometimes

Doing Error

- Very few

Task Completion

- Everyone completed given tasks successfully




Post-test questions:

(Averaging 6 user's Response)

- ▶ Application was easy to use: Strongly Agree
- ▶ Enjoyed using Application: Very much
- ▶ Reliable tool for assigned task: Strongly Agree




Features of App frustrated User's most

- ▶ Review is bit too lengthy
 - ▶ check box
 - ▶ Saving was confusing
 - ▶ Can't click on the beach name to see and edit the data
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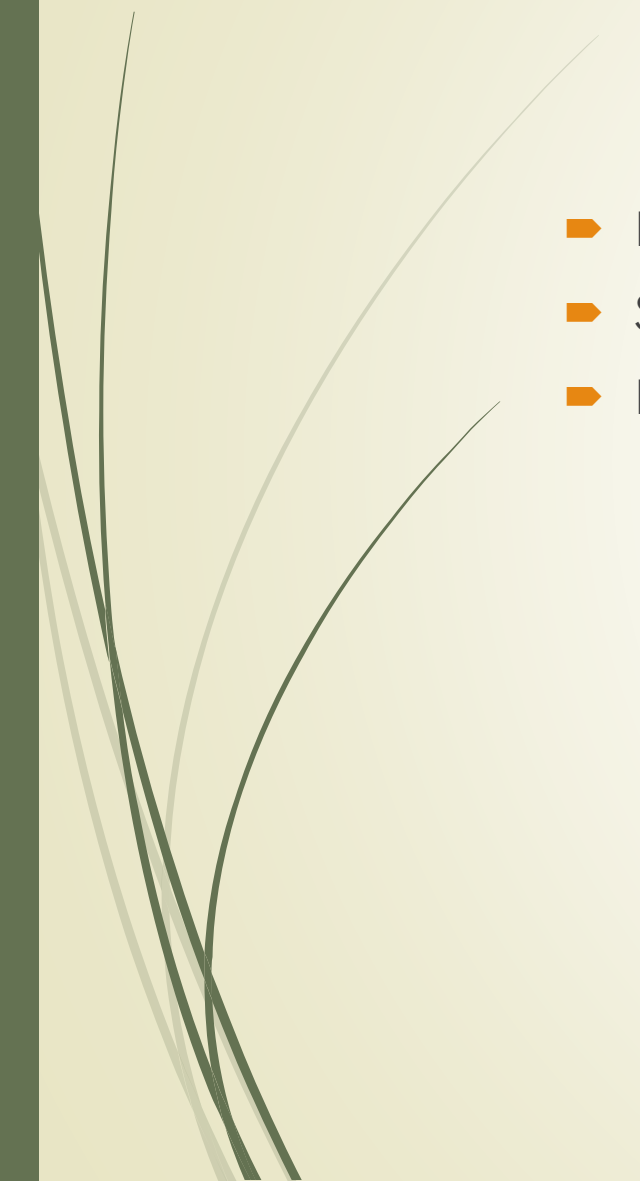


Features of App user's liked most

- ▶ Add button on home screen to create new report
 - ▶ Check mark on completed sections
 - ▶ Easy to fill data and move between various sections
 - ▶ Auto-save for each section
- 



Features user's like to add in App

- ▶ Delete button from home screen
 - ▶ Save file button
 - ▶ History log of selected beach instead of all beach
- 



Summery of bugs:

- ▶ Bug ID-1:
 - ▶ Description: Submit button did not worked.
 - ▶ Severity: only one user found this bug.
- ▶ Bug ID-2:
 - ▶ Description: Unusual behaviour of checkbox.
 - ▶ Severity: Frequent
 - ▶ Every user fount this bug.




Comments:

- ▶ The app work best in Android O.S.
- ▶ In iOS it does not download csv file but if you are using Safari it will give you option to share the file or save on cloud drives. It breaks down after click on submit in chrome.
- ▶ The app do work offline if not refreshed.
- ▶ Even if we refresh in offline mode it will only lose data on current page.



Recommendations:

- ▶ Fix the Check box bug
- ▶ Save & Exit Key
- ▶ Renaming Submit Key
- ▶ Removing Submit Key in past report/ Rename as Redownload
- ▶ Open report by click on name



There are more details given in the Usability Test Report, Report will be posted on my website Soon...

*Thank
you*

