



Preliminary Usability Test Results Evaluation Assignment 5

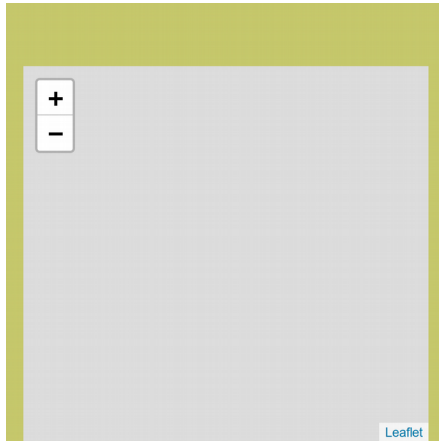
Sandeep Battula



Outline

- Application Description
- Test Process
- Test Scenarios
- Usability Test Results
- Bugs Summary
- Recommended Changes
- References

Application Description

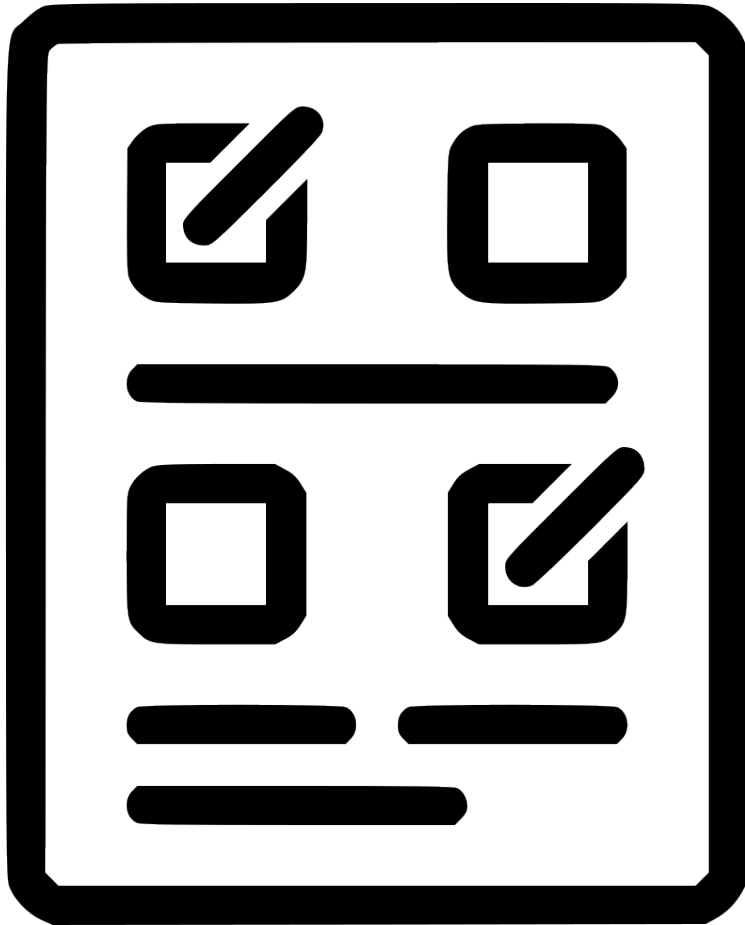


- Map

- Form
 - Dropdown Menus
 - Number Inputs

- Results

Test Process



- 1) Instructions to Participants
- 2) Consent Forms
- 3) Pre experiment Survey
- 4) Scenario A
- 5) Scenario B
- 6) Post experiment Survey
- 7) Bug report interview



Test Scenario 1 - Normal

The participant was told to simply do a query with reasonable inputs.

This simulates a student who pays attention in class.



Test Scenario 2 - Devious

The participant was told to simply do a query with unreasonable inputs.

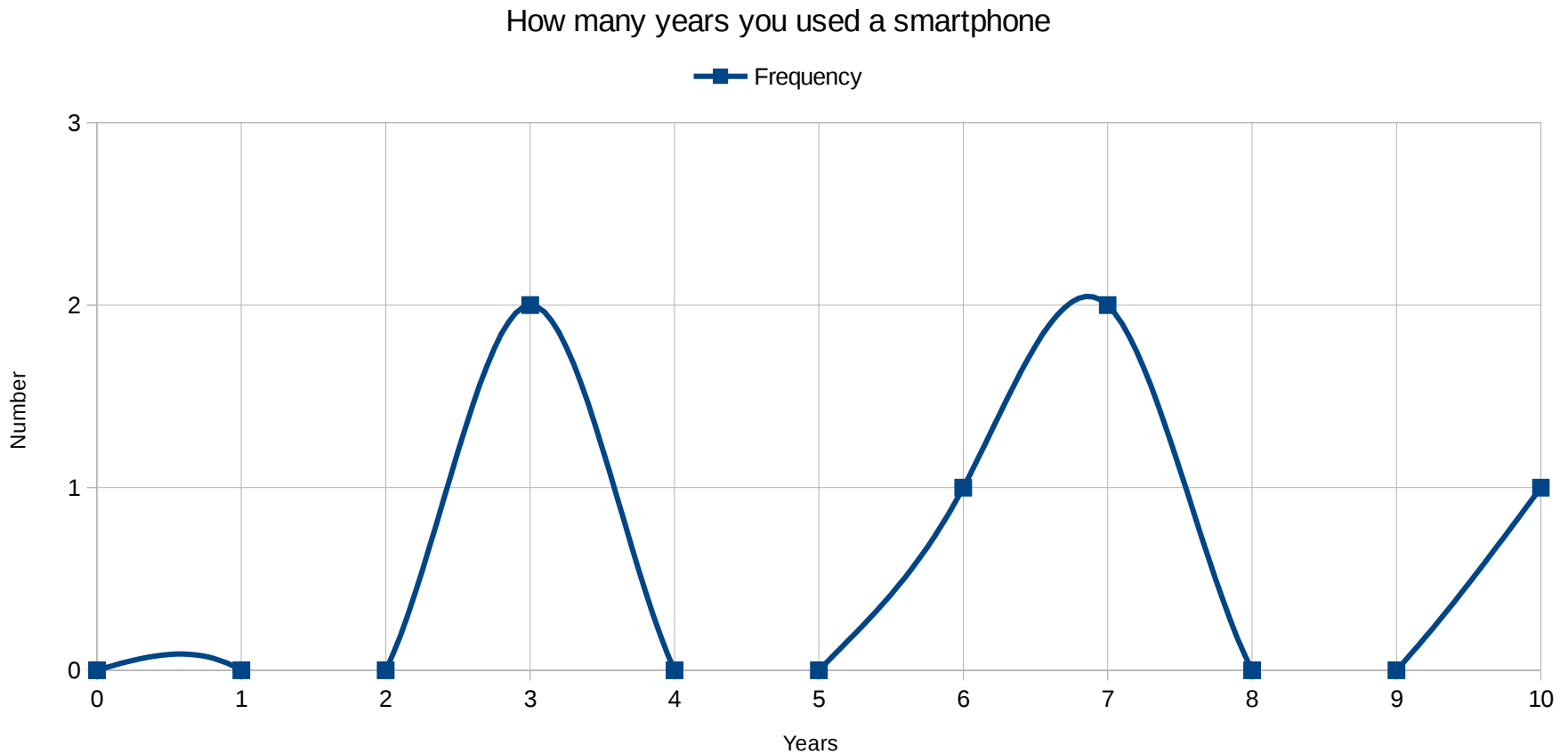
This simulates a child trying to waste time.



Test Scenario 3 - Confused

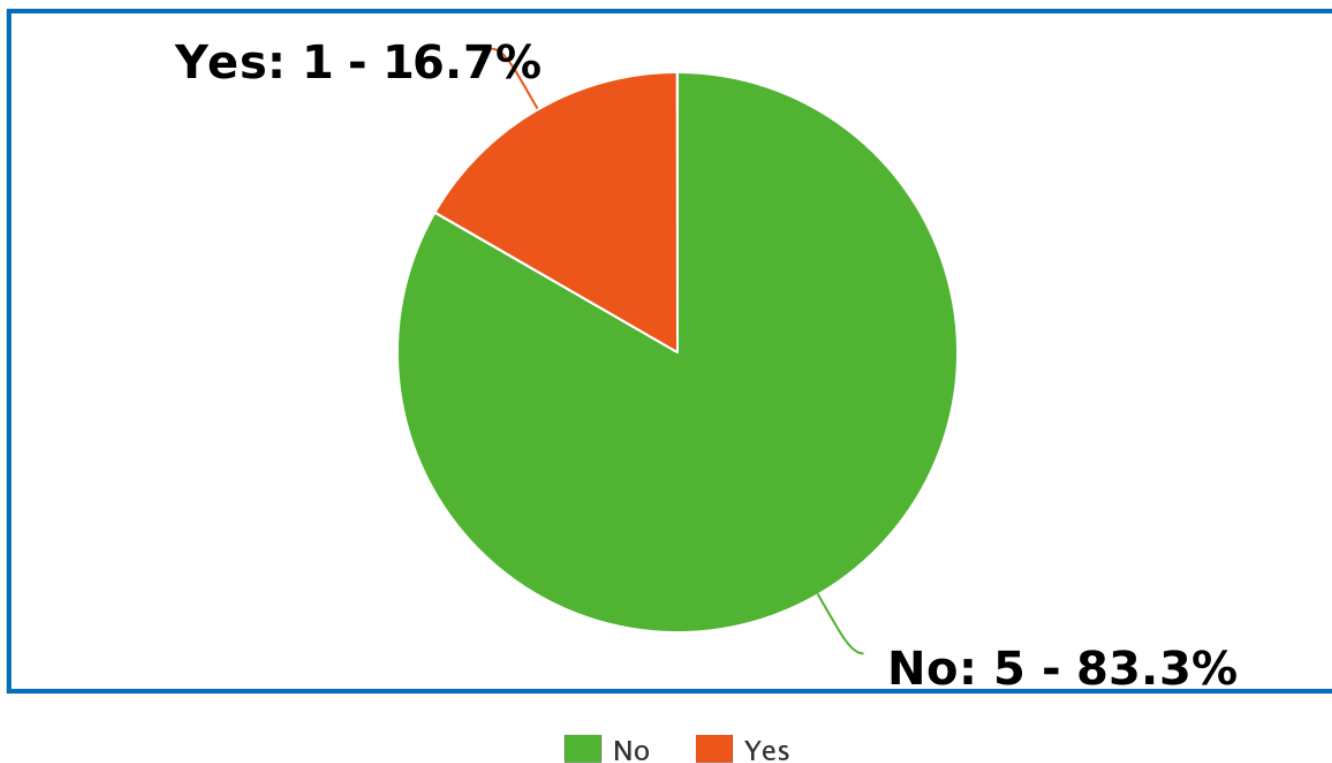
The participant was told to simply do a query with reasonable inputs.
This simulates a child who didn't listen in class.

Usability Test Results - Pre



Usability Test Results - Pre

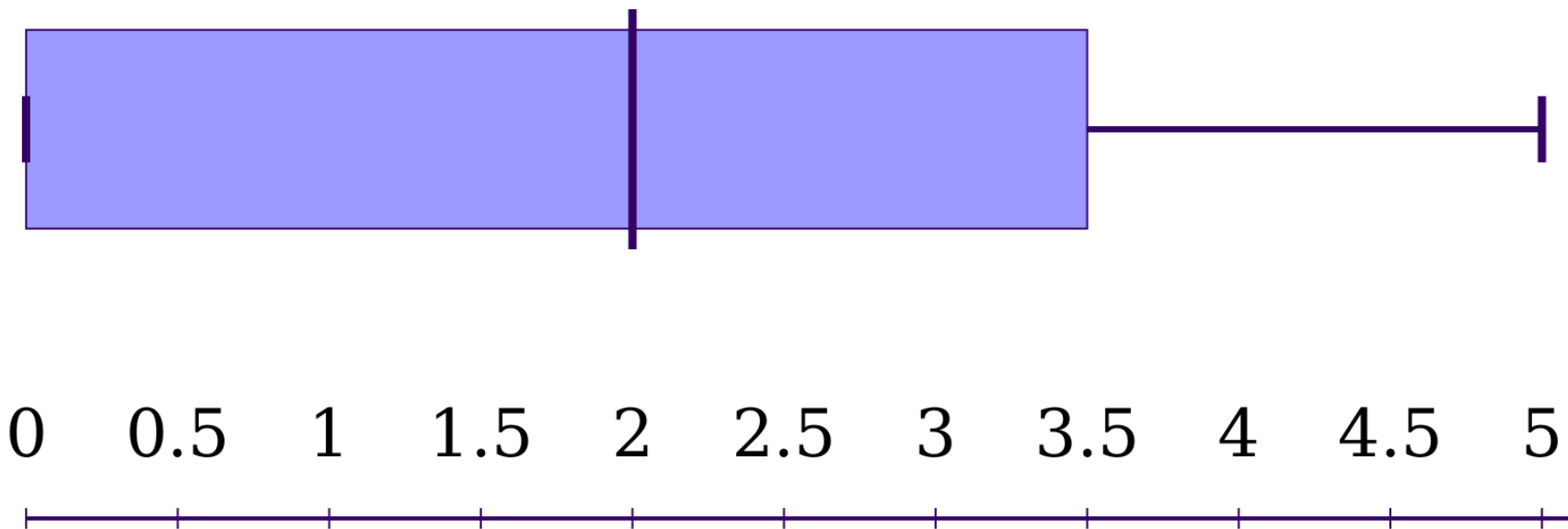
Were you a teacher or similar before?



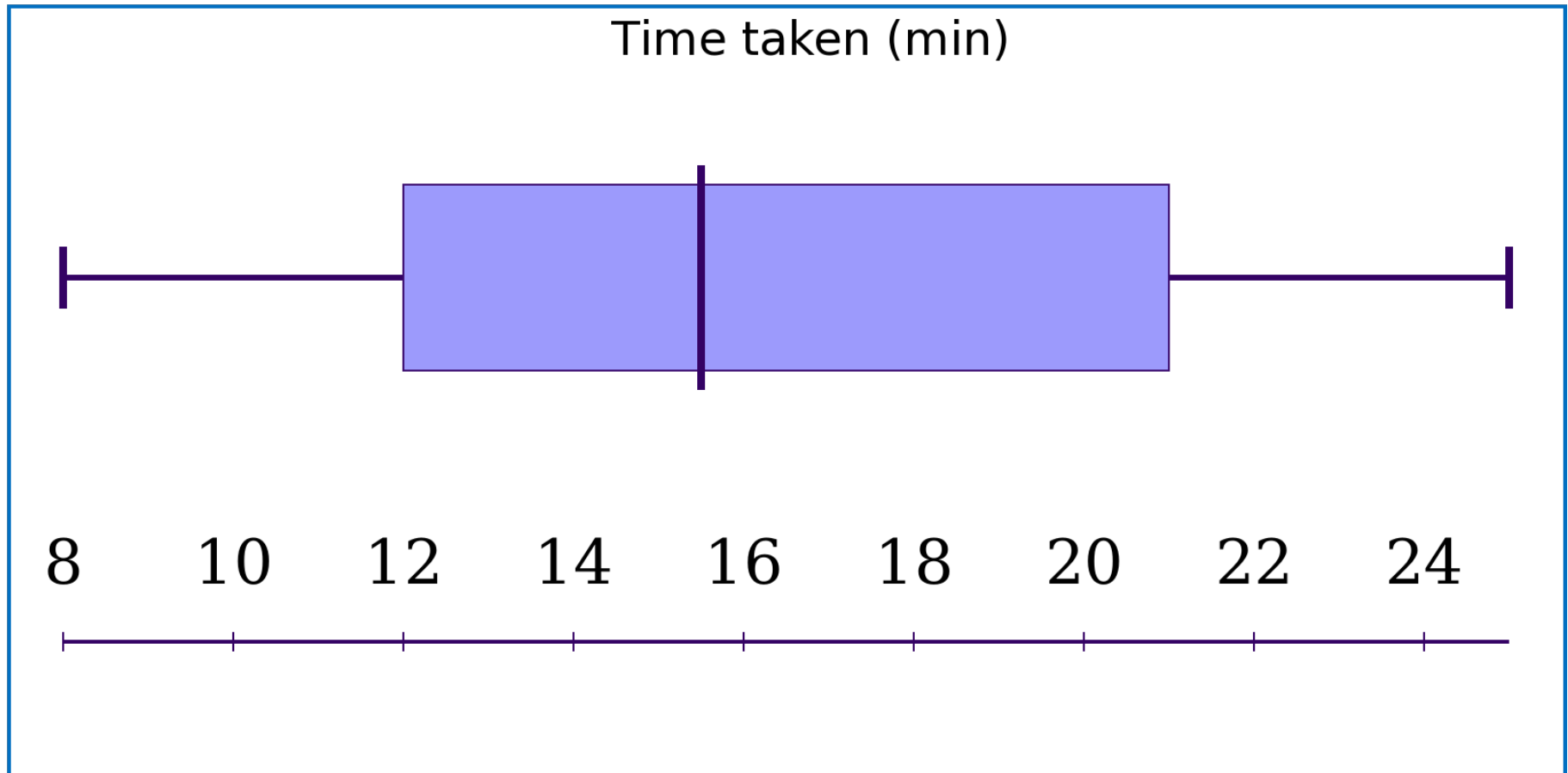
meta-chart.com

Usability Test Results - Pre

How many 9-12 year olds that have a smartphone

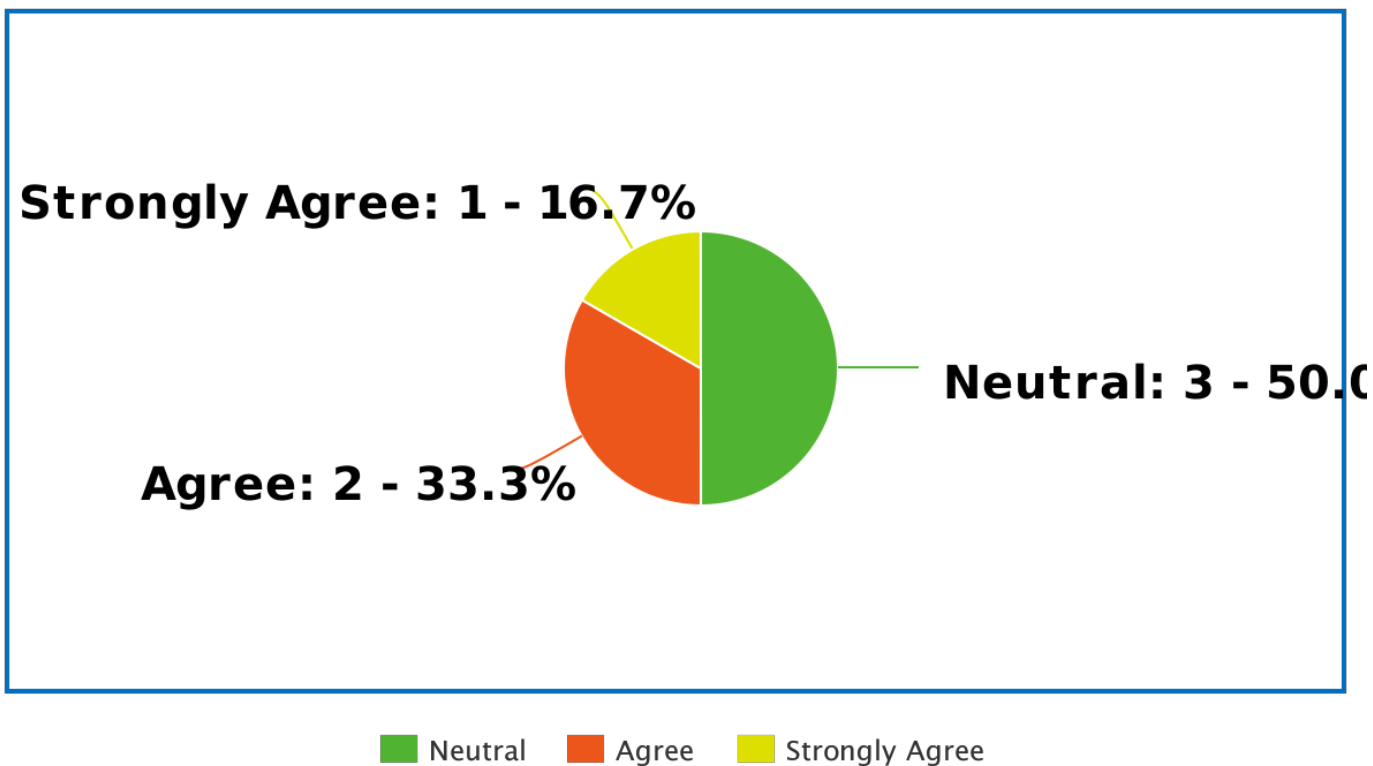


Usability Test Results - Post



Usability Test Results - Post

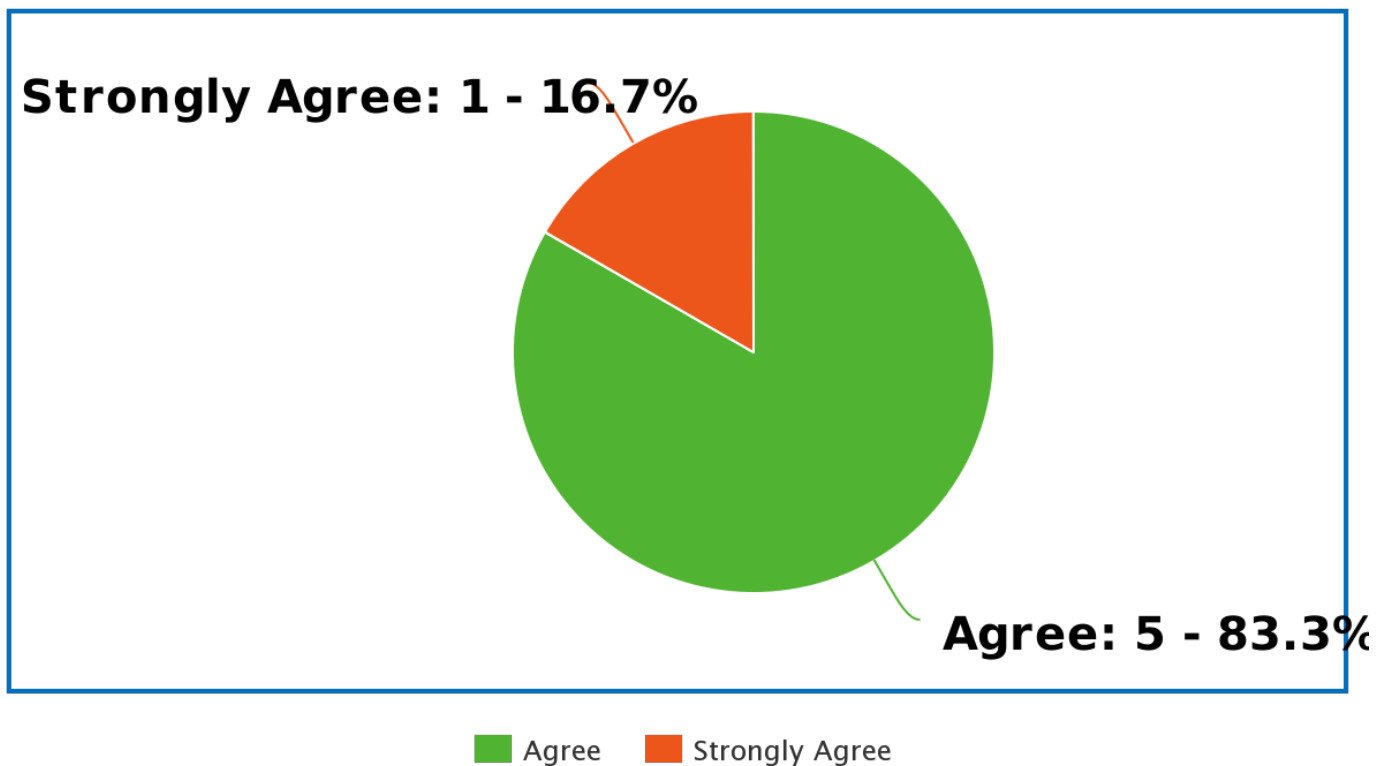
The application was easy to understand



meta-chart.com

Usability Test Results - Post

Are the color choices pleasing to you?



meta-chart.com

Bugs Summary

Number of Occurrences	Severity	Bug
1	5	Overload HTTP Error
3	4	Map doesn't load occasionally The map won't load unless the location permission is given, which gives the user the wrong idea about the map
6	3	Data cleaning for the number inputs The inputs can take a very strange numbers and try to use them
2	2	The enter key, sometimes works Sometimes the enter key does what we want, other times it does a random thing
6	1	Precision Overflow The table get to small for the value



Recommended Changes

The only change I'd require is the HTTP Error,
maybe a custom error page with contact information

Add a GPS location button,
so a user can choose to use GPS or the map location selector, and can switch anytime.

Data Cleaning of numerical inputs,
users can input large numbers for slope length, either make the service support the large number or prevent the user from entering such large numbers.



References

- Application
<https://hci-dev.cs.mtu.edu:8132/WEPP/>
- Documentation
www.csl.mtu.edu/classes/cs4760/www/projects/s19/group5/www/