Assignment: Users and Solutions

Jason Kremhelmer

Southern New Hampshire University

CS 360: Mobile Architect & Programing

Austin Krauss

7/07/2024

# App Analysis

I have decided to choose the calculator for analysis. This app is often used, but not thought about. This app is used to do a multitude of calculating tasks. If a person is not entirely familiar with the app’s full capability, they may not know, if you turn it sideways, there are additional features, such as trig functions. There is also a unit converter available that allows you to convert various units of measure.

The main feature of the calculator however is common mathematical operations. The way you can delineate this is its main orientation when opened. It has the basic calculation function available. It is not until you dig further, by either tapping the icon, or rotating your device, that the other options become apparent.

The needs that this app addresses at its fundamental level are:

* Basic mathematics (+, -, x, /)
* It has a history feature to look back on what you previously calculated
* It has a basic clear function to clear each equation, as well as a history clear option

Based on the top-level functions of this app; add, subtract, multiply, and divide, it us apparent it is intended to address the needs of a basic user. Someone who needs to do a quick simple equation. The other options are lower level and meet the basic needs of someone trying to get a little more information.

The business objective, if you could call it that, for this app would be to provide a quick and convenient way to calculate basic mathematical equations in a timely manner.

Specific features this app must fit the user needs include the basic functions of +, -, x, and /, however it also suites the needs of those needing to convert units of measure. This is found by touching the icon the looks like a ruler (simple to correlate ruler with measurement).

In order to design an effective calculator app, the developer must know the intent of the user. Is the user going to be doing basic calculations or is the user going to be needing to find the cosine of a triangle.