

Research Proposal - Team Android:

An Android Application Documentation

Smart Mobile Specialization.

November 2019

SM Team Android

The Assignment:

Our client's goal as a teacher at Fontys medical health care is to raise awareness of the amount of time that the Fontys students spend on their phones and the outcome of that action which can be both positive and negative.

The Product:

An android application that is able to record different types of activities of the smartphone and present the data in a suitable method that raises the awareness of smartphone impact on the user's life.

Main Research Questions:

After the first meeting with the client the team had its first session with the following results:

- A group agreement.
- Subgroup creation.
- Main research questions:
 - What similar apps are out there?
 - What is considered crucial data to collect?
 - How to monitor and record activity data?
 - How to present the information to help raise awareness?

SubGroup Research:

Further This document is a research proposal by subgroup (Hussam & Julian) this group is researching the following:

- What similar apps are out there?
- What is considered crucial data to collect?

Main Questions Breakdown:

What similar apps are out there?

To research the following questions we use the Available product analysis & Competitive analysis

- What are the main features other apps have?
- What data do other apps collect?
- How does the competitive apps present their data?
- What kind of features can we implement in our app?

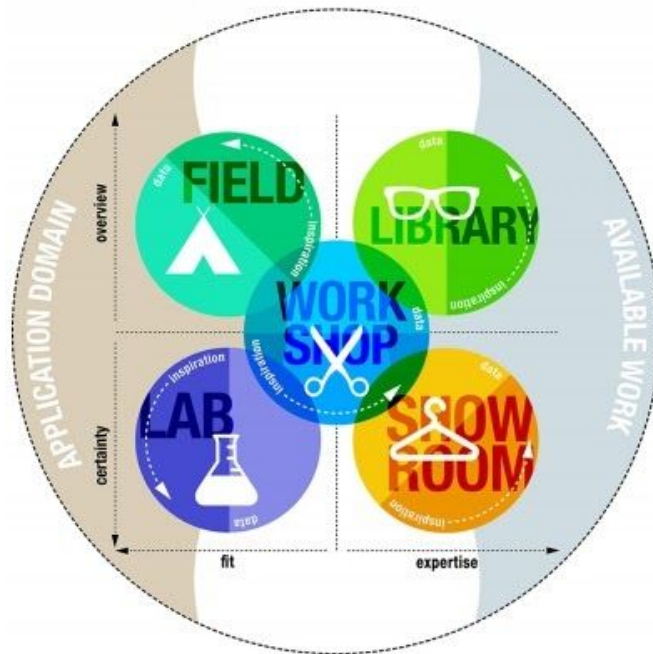
What is considered crucial data to collect?

brainstorm/

- How does a student spend his time using a smartphone?
 - What is considered productive or negative usage? field interview
 - How Is it possible to reduce the usage of a smartphone? Brainstorm expert
 - How can a student have a smartphone free day? //field interview
- What is the average use time of smart mobile and social media?
 - Which are the most popular social media apps? field interview
 - What is the most used app? survey
 - What is considered acceptable/good usage time of social media? field interview/survey
- What negative impact does smart mobile have on students?
 - What is smart mobile impact on sleeping quality? expert
 - What is smart mobile impact on concentration? Expert
 - What is smart mobile impact on general health? expert
 - What is smart mobile impact on social life? field interview expert
 - What is smart mobile impact on study progress? field interview expert

Research Strategies:

The team is using the Dot framework research methods:



For this subgroup The following strategies will be used in the research report:

Library : 

- Available product analysis.
- Expert interview.
- Competitive analysis.

In Library strategy the following methods will be used to analyse and gather helpful information from the available applications for a similar problem , next to that the group will conduct an interview with an expert to ask for advice related to smartphone impact on users.

Field: 

- Interview.
- Survey.

In Field strategy the group will conduct multiple interviews with fontys students to gather information about the time spent using smartphones, most used social media apps, and information about productive and negative use of smartphones also the group will create a survey / make use of available surveys results to determine what crucial data should the team collect.

Workshop:

- Brainstorm.
- Requirements prioritization.

Further our group is having multiple sessions to analyse the gathered data and prioritize and categorize data groups.

Expected Results:

According to the first meeting , the presented information by Mr.Kisjes and the team's first meeting we expect that our application will have a better effective way to present data that already implemented solutions.

The most important data to be collected according to currently available info :

- Social media activities (use time , number of sessions , active period of the day)
- Screen up time before sleep.
- Video watch time.
- Daily steps.

Research approach:

The research approach will be writing a research document analyse and present our findings.

