

Data analysis

Survey:

A survey was made with the intention of obtaining information about high school students in regards to what they aim to study in the IT area, due to them being our users of interest and them being the ones that suffer from school dropout.

The questions for the survey are made to get more insight about how important is it for the students to learn about the careers, and what kind of information they would be interested on such as career subjects, labor sphere and average salary, as well as verify the problems they face that prevents them from obtaining adequate information of said careers. In addition we seek to learn from them what medium they consider comfortable to search the information like web pages and mobile apps for the development of our solution.

The survey was answered by 28 students, and we acquired the following:

78% of the students show great interest in knowing the labor sphere and the average salary of the careers, giving the impression that their interest on the area stems from the jobs they could dedicate themselves for and the salary they could earn. They also faced troubles in obtaining information of the IT careers such as:

- Difficulties in finding the info
- Info is limited
- Info is not useful
- Info doesn't feel complete
- No info found about the labor sphere
- Too much time is spent searching for it
- Info is doubtful

Finally the majority of the students have expressed that a web page is a medium they find comfortable to search information about the careers they interest on from.

Interview:

Based on information acquired from UADY's Math Faculty, specifically in the management area, it's obtained that from the number of voluntary dropouts, 50% of them stems from a bad career election, disinterest on them or bad information. From this group, 51% of the dropouts are from the IT area (LIC, LCC, LIS). Data from 2017 have shown that the dropouts from these 3 careers surpass 30. And LIS alone has 20 of them. Taking this data into account and that the admitted number is 80 for that career, it's inferred that it has a 20% of dropouts, and from it 50% was due to bad information. 1 out of 10 students from LIS drop out of it for that issue.

Conclusion:

With all these info analyzed, it's concluded that school dropout in the IT area is greatly due to bad information obtained about the career, which leads to disinterest on it or the feeling that they made a bad decision. This correlates with the survey showing that a majority of them are interested on the area for the jobs they could get and the salary, factors that could lead to dropout.

Taking this into account, it is decided that a way to solve this issue is through the development of a web page, which offers the users reliable information about the careers of the IT area. The choice of going for a web page is due to the survey showing they find the medium more comfortable for info acquisition. The web page would allow the info to be personalized for the user, offering interactivity, and it would have tools that could assist them in gathering the information.