



Requirements Specification Document

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Introduction:

After we did a meeting with the stakeholders we've established this document to describe the requirement specification of our Business Intelligence system.

Functional Requirements:

- ❖ The system must determine the causes of success and failure of students according to his:
 1. Sociodemographics profile: Gender, Nationality or Profession of parents...
 2. The school path: BAC Average, High school path...
 3. Study practices: Homework, Absences...
 4. Living conditions: Mode of housing, the health...
- ❖ The system must be used by three type of users (Students, Teachers and the Academy).
- ❖ The system provide a comments for every graph depending on Data Mining.
- ❖ The system provide a select inputs to selecting the dimensions of data.
- ❖ The system must provide a descriptive, predictive and a perspective analysis of data.
- ❖ The system must present the data on several types of graphs.
- ❖ The software must provide a simple dashboard.
- ❖ The software must ensure an uncomplicated presentation of data.

Non-Functional Requirements:

- ❖ The system must work on:
 - Mobiles (Android): For Students.
 - Computers: For Teachers or Academy
- ❖ The system must run on X-OS for desktop applications.
- ❖ The System must ensure the limits of every users by using a select box to choice the type of the user.

User Stories

- ❖ As a User, I want to be able to choose the type of user, so I can visualize my interests.
- ❖ As a User, I want to be able to visualize graphs of data in different types, so I can take a decisions easily.
- ❖ As a Student, I want to check the reasons of my failure and success, so I can make more efforts.
- ❖ As a Student, I want to take a suggestion about the future branch choice, so I can choose the right one easily.
- ❖ As a Teacher, I want to check the reasons of failure and success of my students, so I can change my techniques in working correctly.
- ❖ As an Academic, I want to check the reasons of failure and success of, so I can take a decisions about the system of studying.

Conclusion:

This document specifies the requirement of the stakeholders and this requirements can be changed at any moment, so we will be flexible as possible with the agile methodology we are using, last thing to note is that the time we have for completing this project will not be enough for all the requirement mentioned in this document, so we will proceed by the important one first, and then the less important if we do have the time.