

# Software Description

Group 7

August 12, 2017

## **1 Front end and Back end**

### **1.1 Front end**

The front end team is responsible for the design of the Graphical User Interface elements of the application, the positioning of the Graphical User Interface elements, the use of images, views that take input from the user and buttons. They are also responsible for creating graphs and tables that represent the data in the database.

The layout is designed using the XML markup language(which is a component of Android application development).

### **1.2 Back end**

The Back end team is responsible for the overall design of the structure of the database and how the software application communicates with the database using PHP. The back end team is also responsible for the design of the network architecture of the application that is responsible for how the application connects with the database and the calculations that take place when the user requests specific data.

## **2 Input and Output**

### **2.1 Input**

The input is the marks for the forms of assessment which are tests, assignments, etc., into the system.

### **2.2 Output**

The output is the assessment marks that have been requested by the student, The school administrator and the course coordinator, and the graphs which represent the analysis of the data.

## **3 Front end and back end teams**

- front end: Tshimangadzo Mudzanani and Faith Mung'ore
- back end: Musa Mahange and Siyabonga Ntuli