**Software Requirements Specification**

**For**

**SRCCMSTHS – EGS**

**Version 1.0 Approved**

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1. **Introduction**
   1. **Purpose**

**The purpose** of this requirements specification is to help its readers obtain a glimpse of the software at hand.

The report is duly made to help de-obscure gray areas within the software made.

* 1. **Document Conventions**

There were no specific standards to how the document was made, but the requirements that are listed in the report are all in sequential order according to priority.

* 1. **Intended Audience and Reading Suggestions**

The following Specifications are advisable to be read by the **Faculty and Students** of Senator Renato "Compañero" Cayetano Memorial Science and Technology High School. For the clients to have a clear glimpse of the software at hand, the entire section is to be read from beginning to end.

* 1. **Product Scope**

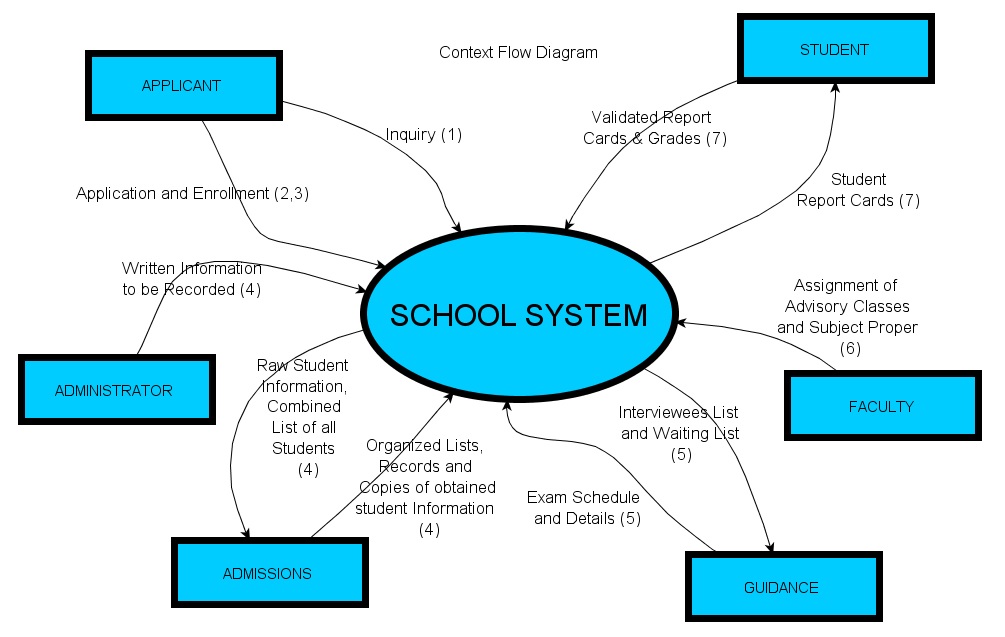
The authors plan on assisting the school in providing a user-friendly grading system that will benefit both the students and the teachers. If time will permit, we plan on doing the following:   
  
1. A Viable System for Enrolment, Registration and Grading   
2. A Database of the Students and their vital information for main purposes in CRUD, (Create, Read, Update and Delete)   
3. An application for accessing grades for the students   
  
In line with the plan mentioned above, the authors plan on creating user – friendly interfaces also, (similar to the cited reference) to help the target audience in using the proposed system.

* 1. **References**

**Wiki:** [http://projects2.apc.edu.ph/wiki/index.php/Senator\_Renato\_"Compañero"\_Cayetano\_Memorial\_Science\_and\_Technology\_High\_School\_-\_School\_System](http://projects2.apc.edu.ph/wiki/index.php/Senator_Renato_%22Compa%C3%B1ero%22_Cayetano_Memorial_Science_and_Technology_High_School_-_School_System)

1. **Overall Description**
   1. **Product Perspective**

The product being done by the team, is not from a specific line of software, but a replacement towards the manual way of encoding and data recording. Past data which were recorded through the use of Spreadsheets and the like, are now to be changed to gear towards data repositories and databases hosted online or through a local server. The application is not genuinely taken from a larger composite structure, instead it is the structure itself that is being referred to in the Specification. Below is a Context Flow Diagram that illustrates the structure and its involvement with the keyplayers.



* 1. **Product Functions**

The main functions of the product, in accordance to project type, are as follows:

1. **Enrollment**
   1. **Applicant Recording (Creating, Reading, Updating and Deleting)**
   2. **Test Scheduling (Creating, Reading, Updating and Deleting)**
   3. **Student Listing (Segregating and Displaying)**
2. **Grading** 
   1. **Student Recording (Creating, Reading, Updating and Deleting)**
   2. **Aggregate Grade Computing (Creating, Reading Updating and Deleting)**
   3. **Grade Listing (Computing, Displaying)**
   4. **User Classes and Characteristics**

The following user classes will most likely be utilizing the software:

1. Applicants – upon enrollment, they will use this upon entering basic information about themselves, \*given only if administration allows applicants to make use of their computers
2. Students – the students may frequently use the system to check on their grades during the quarter
3. Faculty – the faculty will mainly use this, since they will be responsible for encoding first-hand data that are necessary for aggregate function computing
4. Administrators – the admin will most likely be responsible for the handling of the users that will be in the system, it is also part of the admin’s responsibility to regulate the access given to the software
   1. **Operating Environment**

For a brief description of the intended plan of the authors, the project should be done in line with the topology of the School itself. To implement the proposed solution of the authors, the need for computers must be satisfied, and networks must be built.

* 1. **Design and Implementation Constraints**

As mentioned above, the following constraints have been set for the project:

1. A Viable System for Enrolment, Registration and Grading   
2. A Database of the Students and their vital information for main purposes in CRUD, (Create, Read, Update and Delete)   
3. An application for accessing grades for the students

* 1. **User Documentation**

The following documentation has been done by the researchers in the past:

1. **Documentation for Traditional Systems Development Life Cycle**
2. **Diagrams**
3. **Status Reports**
   1. **Assumptions and Dependencies**
4. **External Interface Requirements**
   1. **User Interfaces**
   2. **Hardware Interfaces**

**As a gist, the network design must conform to the star topology because it must be assured that the solution is also economy – wise and does not require much time and effort to be put into action. Unfortunately, matters such as these may only be considered after the assessment of the entire project itself before the prototyping and implementation phase begins.**

* 1. **Software Interfaces**
  2. **Communication Interfaces**