**Table of Contents**

Chapter I: Introduction1

Chapter II: Overview of the Project2

Chapter III: Scope3

Chapter IV: Diagrams

Star Schema4

Table Definitions5

Flowchart6

Data Flow Diagram12

Hierarchical Input Process Output13

Use Case Diagram14

**CHAPTER I**

**INTRODUCTION**

Grading system software for grading assignments is a useful tool for administrators and teachers. It can speed up the grading procedure, give students more precise and timely feedback, and aid teachers and administrators in monitoring student development. The use of grading system software has increased significantly during the past few years, improving both efficiency and accuracy of grading. Software for grading systems can let teachers spend less time marking and entering grades into the system. Teachers may track student grades and enter grades fast and efficiently using the software.

For professors, administrators, and students alike, grading system software is a potent tool. It can make grading easier, give students more accurate and timely feedback, and aid teachers and administrators in monitoring student development. Grading accuracy and efficiency have significantly increased as a result of the recent trend toward the usage of grading system software. The amount of time teachers spends marking and entering grades into the system might be decreased with the use of grading system software. Teachers may enter grades and monitor student progress quickly and efficiently using the software.

**CHAPTER II**

**OVERVIEW OF THE PROJECT**

The proponents focus on developing and designing the proposed system, Helping Junior High School departments to have their software for the grading process, the proposed system is a grading system that would be able to manage by the teachers and students. A Grading System can assist in creating standards in grading to meet the specific requirements of an institution.

The developers provide an advanced software of grading system that can benefit the Junior High School Department. through this system, The Junior High School department can be able to experience a better and more rapid process when it comes to grading. In addition, they can be able to replace the traditional way of grading a student with an advanced system.

**CHAPTER III**

**SCOPE**

Login Module – This module checks the username and password, then redirect the user to access the modules.

Grades Module – This module is what the teachers can access, and it is where they can input the grades of each student that they teach. This is also where they can import and export the gradebooks an export grade cards for the students.

Assistant Teacher Module – This module is where the assistant teacher can view the grades of each student.

Registrar Module – This module is where the registrar can add students, teachers, assistant teachers, subjects, and sections. It enables the registrar to assign sections to student and assign subject/s to teacher/s and students.

Admin Module – This module is only for the admin; this module has access to all the modules. This module is where the admin can add a registrar.

Roles – This defines the level of access for various users. The "Super Admin" has the highest level of access, known as "Root Access," which allows them to perform any action on the database. The "User Level 1" is granted to the Teacher and Registrar and has both "READ" and "WRITE" permissions, while "User Level 2" is granted to the Assistant Teacher which only has "READ" permissions.

**CHAPTER IV**

**DIAGRAMS**

**Star Schema**

Diagram

Description automatically generated

Figure . Star Schema

**Table Definitions**

The table definition defines the database objects that contain all the data in the database of our system. The primary key data type that is used for our table is mainly big integer and the variable character data type that we use has 100 maximum characters.

The Users table consist of UserID that serves as the primary key for the table, first name, middle name, last name, username, position of the user that is in data type variable character. And lastly, the password as text data type.

The Teachers table consist of TeacherID as the primary key for the table. The Teachers table has a foreign key UserID from the primary key UserID in Users table. Lastly, is the Specialization with a data type variable character.

The Sections table consist of SectionID that serves as the primary key for the table. The Sections table has a foreign key TeacherID from the primary key TeacherID in Teachers Table. SectionName that is in variable character data type. And YearLevel with a integer data type.

The Students table consist of StudentID as the primary key for the table. The Students has a composite key SectionID from the primary key SectionID in Sections table. Last name, First name, and Middle name with a variable character data type, and EnrollmentDate with a data type date.

The Subjects table consist of SubjectID that serves as the primary key for the table and, SubjectName with a variable character data type.

The Teacher\_Subject table has two (2) composite key columns. First is the TeacherID from the TeachersID table. And the SubjectsID from the Subjects table.

The Student\_Teacher\_Subject table consist of three (4) composite key columns. StudentID from the primary key StudentID in Students table, SectionID from composite key from Student table, TeacherID from the primary key TeacherID in Teachers table, and SubjectID from the primary key SubjectID in Subjects table. It also has a column SchoolYear with a variable character data type.

The Grades table consist of GradeID as the primary key. The Grades table has three (4) foreign keys StudentID, TeacherID, SectionID, and SubjectID from the composite key in Students\_Teacher\_Subject table. It also consists of Quarter with a integer data type and Grades with a decimal format 10, 2 data type.

Graphical user interface, diagram

Description automatically generated

Figure . Table Definitions

**Flowchart**

Diagram

Description automatically generated

Figure . Grading System

Diagram

Description automatically generated

Figure . Admin Module

Diagram, engineering drawing

Description automatically generatedFigure . Registrar Module

Diagram

Description automatically generated

Figure . Teacher Module

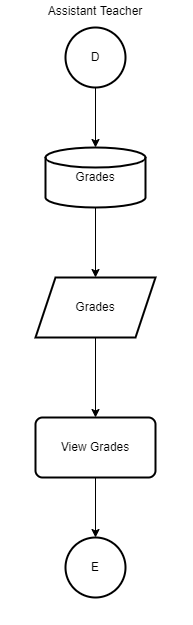


Figure . Assistant Teacher Module

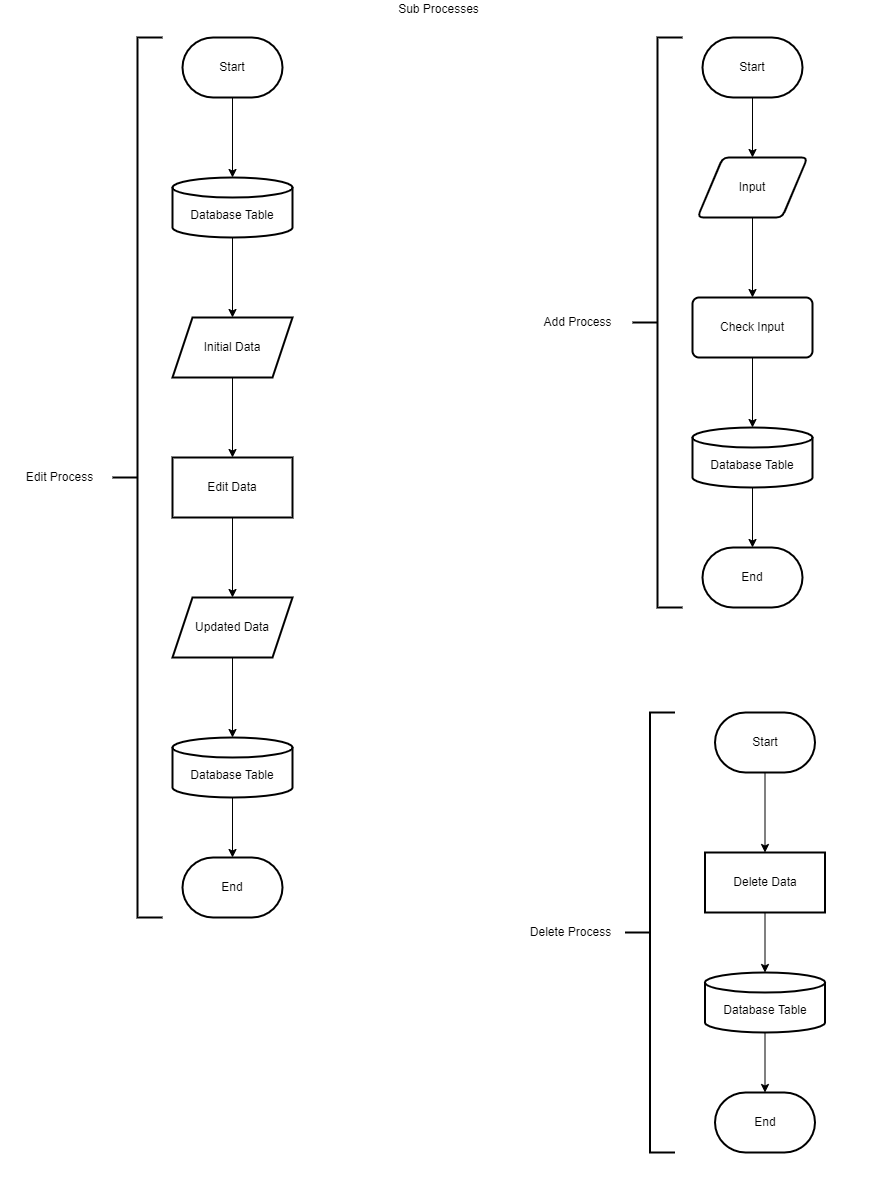


Figure . Sub-Processes

**Data Flow Diagram**

Diagram

Description automatically generated

Figure . Data Flow Diagram

**Hierarchical Input Process Output**

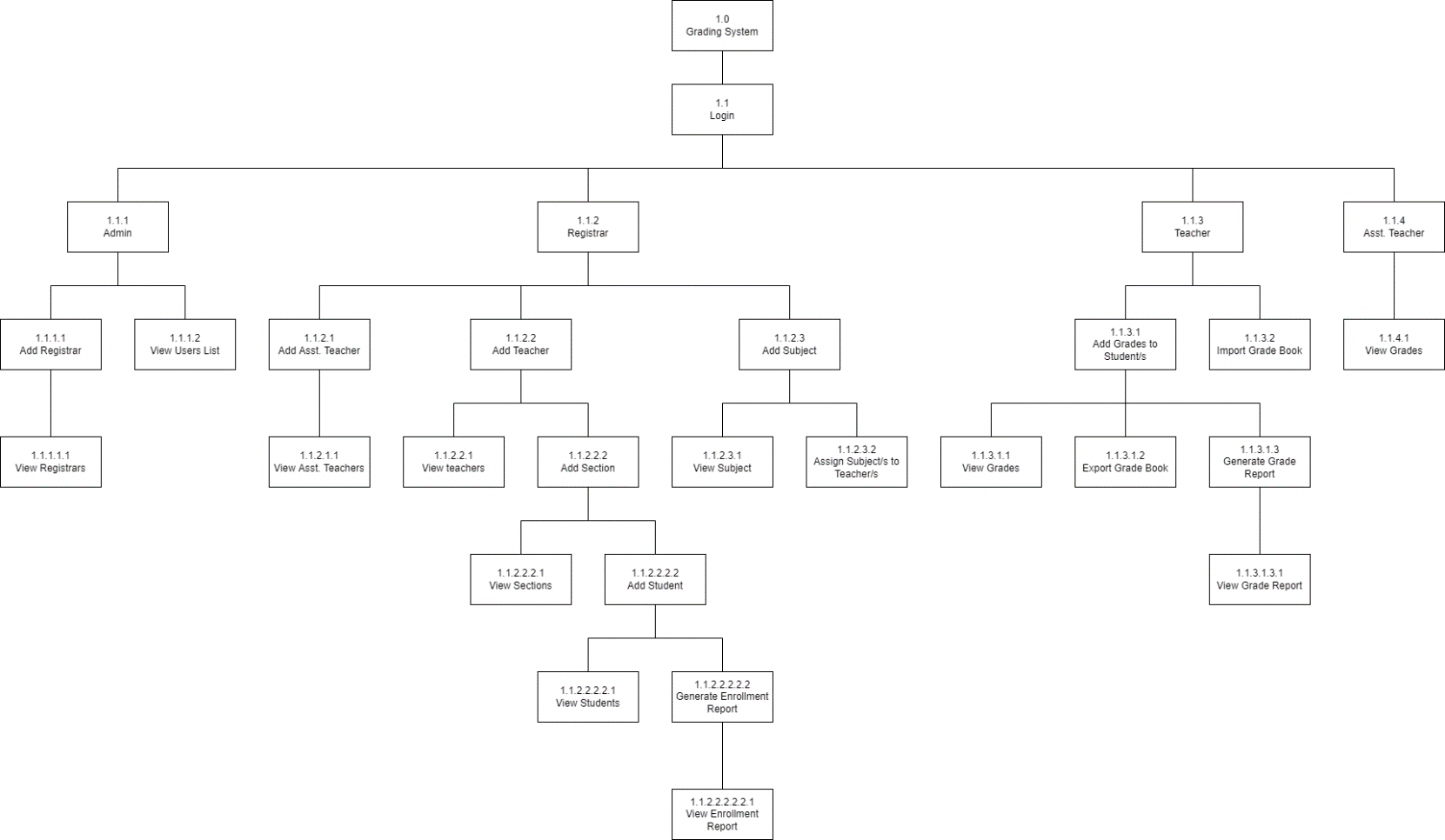


Figure . Hierarchical Input Process Output

**Use Case Diagram**

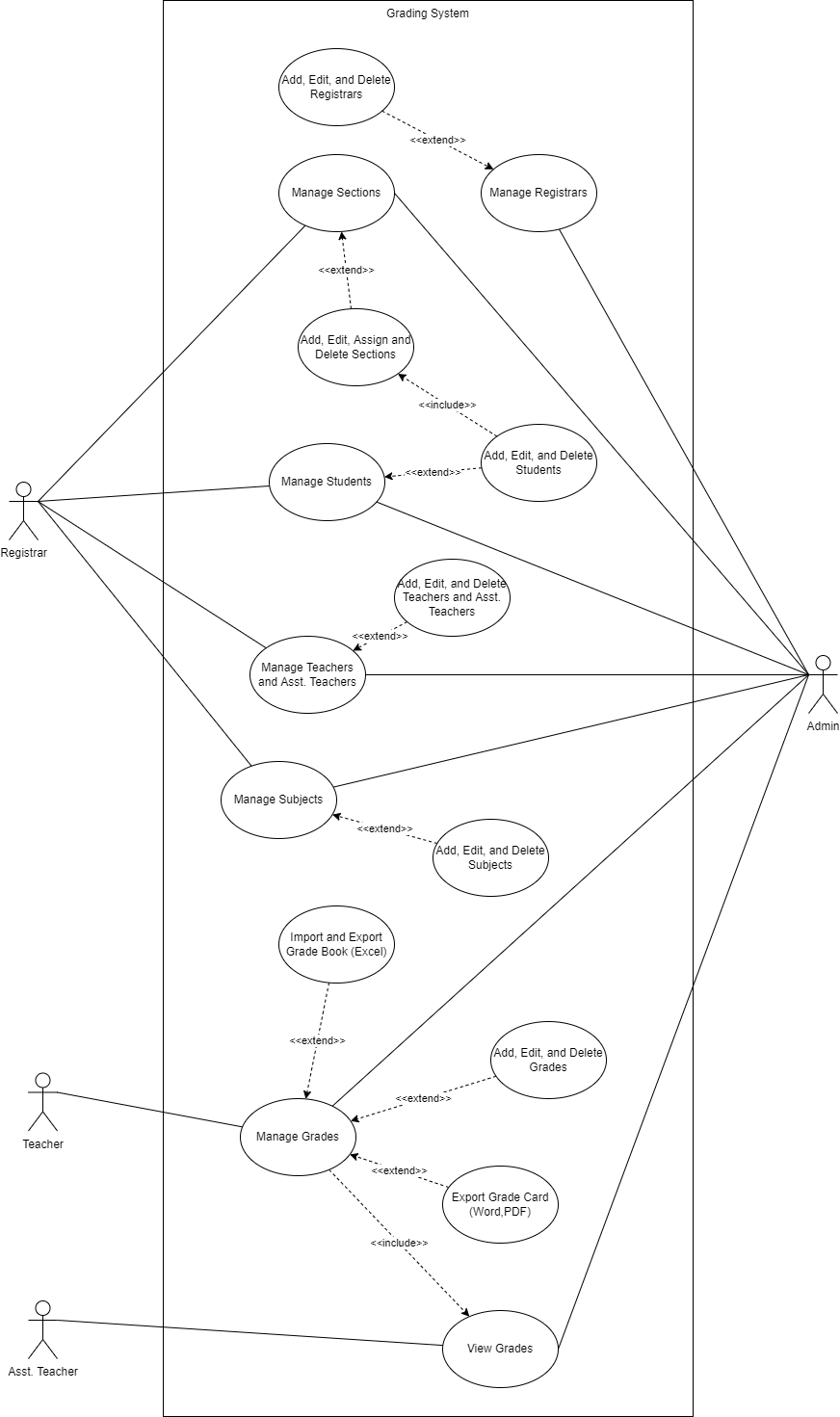
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Figure . Use Case Diagram