

GRADEBOOK

Software Test Plan and Test Case Design Report

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Course: Software Testing & Quality Assurance (SE – 605)

# Submitted To

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# Chapter 1

Test Planning

# 1. 1 Project Description

The project I am going to test is entitled as ‘GRADEBOOK’. It calculates grades of students in a particular course of a semester. This grade calculator comprises of some easy features, complex situations and sceneries are out of its concern.

Functionalities or methods of the project are as follows:

* ***SemesterCourses Class***

1. Set Semester No
2. Get Semester No
3. Add Teacher

Adds new teacher for the semester in an *ArrayList*

1. Get Newly Added Teacher

Returns Name of newly added teacher

1. Get Teachers List

Returns an *ArrayList* of teachers

1. Add Course and Credits

Adds course and corresponding course-credit in a *HashMap*

1. Find Credit of a Specific Course

Returns credit of the course if Course-Id is provided

1. Find All Courses with Credits

Returns the *HashMap*

1. Find Grade

Calculates marks of a course and returns grade (‘A+’ / ’A’ / ’F’ etc.)

1. Calculate GPA

Calculates marks of a course and returns GPA (4.0/ 3.0/ 0.0 etc.)

* ***Student Class***
* ***Rubric Class***
* ***GradeBook Class***