Test plan- Sprint 2

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# Introduction

The Test Plan has been created to communicate the test approach to team members. The test plan includes the purpose, scope, test strategy, risks, and approach. This document will clearly identify what the test deliverables will be and what is deemed in and out of scope.

## Purpose

This document includes the plan for testing the requirements added in sprint-2. The main purpose of this document is to test the role of the school administrators to be able to sort and view the list of all students with their individual scores and export the details as CSV files.

## Overview

# Scope

## Inscope

### Blackbox testing

In this testing, the system will be tested without knowing the internal structure.

### Unit testing

It is used to test the individual units/ components of the software.

### Functional testing

It is a type of testing whereby the system is tested against the functional requirements/specifications.

### Regression testing

Regression testing means re-running functional and non-functional tests to ensure that previously developed and tested software still performs after a change.

### UI Testing

UI testing is used to test the design of the system.

### Database testing

**Database Testing** is used for checking the schema, tables, triggers, etc. of the **database** under **test**.

### Sanity testing

Sanity testing is used to verify that all the menus, functions, commands available in the product and project are working fine.

### API testing

API testing involves testing application programming interfaces directly and as part of integration testing to determine if they meet expectations for functionality, reliability, performance, and security.

## Features to be tested

In this system the features to be tested are:

1. Log in to the page as a school administrator.
2. View the list of the student.
3. Search students according to the name and score.
4. Sort the student scores.
5. Export student details in CSV.

# Test strategy

Risks Assumption

Tools