

# Test Cases

## School Management System

12/23/2025

**Version # 1**

*Items that are intended to stay in as part of your document are in **bold**; blue italic text is used for explanatory information that should be removed when the template is used.*

## Document Change History

Version	Date	Change	Role
1	Jan 2025	First Version	Process Engineer

## Artifact Amendment History

Version	Date	Change	Approval
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## TEST CASES

This document comprises the test cases prepared for the School Management System, categorized into respective test suites.

### 1.1 TEST SUITE: STUDENT AUTHENTICATION (TS-AUTH-01)

Test Case ID	Description	Precondition	Steps	Expected Result
TC-001	Verify student login with valid credentials	Student account exists	1. Go to login page 2. Enter valid username/password 3. Click Login	Student dashboard displayed
TC-002	Verify login with invalid password	Student account exists	1. Enter valid username 2. Enter invalid password 3. Click Login	Error message: "Invalid username or password"
TC-003	Verify login with empty username	-	1. Leave username blank 2. Enter valid password 3. Click Login	Error message: "Username required"
TC-004	Verify login with empty password	-	1. Enter valid username 2. Leave password blank 3. Click Login	Error message: "Password required"

## 1.2 TEST SUITE: STUDENT REGISTRATION (TS-REGISTRATION-01)

Test Case ID	Description	Precondition	Steps	Expected Result
TC-005	Verify successful student registration	Admin logged in	1. Go to registration page 2. Enter valid student info 3. Click Submit	Student registered successfully
TC-006	Verify registration with missing mandatory fields	Admin logged in	1. Leave required fields blank 2. Click Submit	Error message: "Fields required"
TC-007	Verify registration with invalid email format	Admin logged in	1. Enter invalid email 2. Fill other valid fields 3. Click Submit	Error message: "Invalid email"
TC-008	Verify duplicate registration	Admin logged in	1. Enter info of already registered student 2. Click Submit	Error message: "Student already exists"

### 1.3 TEST SUITE: ATTENDANCE MODULE (TS-ATTENDANCE-01)

Test Case ID	Description	Precondition	Steps	Expected Result
TC-009	Verify marking attendance for a student	Admin logged in	1. Select student 2. Mark Present 3. Save	Attendance saved successfully
TC-010	Verify attendance for a non-existent student	Admin logged in	1. Enter invalid student ID 2. Try to mark attendance	Error message: "Student not found"
TC-011	Verify attendance report generation	Admin logged in	1. Select date range 2. Generate report	Correct attendance report displayed
TC-012	Verify editing attendance	Admin logged in	1. Select existing attendance record 2. Modify status 3. Save	Attendance updated successfully

#### **1.4 TEST SUITE: FEE PAYMENT MODULE (TS-FEEPAYMENT-01)**

Test Case ID	Description	Precondition	Steps	Expected Result
TC-013	Verify fee payment for a student	Student account exists, payment gateway active	1. Select student 2. Enter fee amount 3. Make payment	Payment successful confirmation
TC-014	Verify payment with insufficient funds	Student account exists	1. Select student 2. Enter amount exceeding balance 3. Make payment	Error message: "Insufficient funds"
TC-015	Verify payment with invalid card details	Student account exists	1. Enter invalid card info 2. Submit payment	Error message: "Invalid card details"
TC-016	Verify fee receipt generation	Successful payment made	1. Complete payment 2. Generate receipt	Correct receipt displayed