Student

- Dashboard Data to View:
    - Current Enrollments
    - Upcoming Lessons
    - Pending Tasks/Activities
    - Announcements
    - Preliminary Grades
    - Progress Tracking
- Access to System:
    - Submission of Activities/Tasks
    - Viewing Lesson Modules
    - Accessing Announcements
    - Checking Preliminary Grades
    - Tracking Personal Academic Progress
- Announcement Scope:
    - N/A (Students typically do not make announcements)
- Target Audience:
    - N/A

Teacher

- Dashboard Data to View:
    - List of Enrolled Students
    - Lesson Schedule
    - Task/Activity Monitoring
    - Student Progress and Grade Overview
    - LMS Subject Modules Template
- Access to System:
    - Creating, Editing, and Assigning Activities/Tasks
    - Posting Announcements
    - Inputting Preliminary Grades
    - Monitoring Student Progress
    - Accessing and Utilizing LMS Subject Modules Template
    - Viewing Enrolled Student Details
- Announcement Scope:
    - Classroom-specific announcements (lesson plans, assignment deadlines, etc.)
    - Educational resources or updates

        - Class cancellations or rescheduling
- Target Audience:
    - Students within the teacher's classes

Super Admin

- Dashboard Data to View:
    - Overall School Performance Metrics
    - User Activity Logs
    - System-wide Announcements and Updates
    - Financial Overviews (if applicable)
- Access to System:
    - System Settings and Configuration
    - User Management (Creating, Modifying, Deleting User Accounts)
    - Access to Financial and Payment Records
    - Monitoring Overall System Usage and Performance
- Announcement Scope:
    - System-wide announcements (policy changes, emergency alerts, critical info)
- Target Audience:
    - All users (students, teachers, admins, registrar, cashier)

Admin

- Dashboard Data to View:
    - School Calendar
    - Current Enrollments and Student Records
    - Teacher Schedules and Activities
    - Room and Schedule Management
- Access to System:
    - Management of School Calendar
    - Overseeing Student Enrollment and Records
    - Managing Room and Schedule Inputs
    - Inputting Course, Subject, and Section Details
    - Access to Teacher and Course Details
    - Basic Financial Overviews (if part of responsibilities)
- Announcement Scope:
    - School-level administrative announcements (schedule changes, events)
    - Operational updates (maintenance, facility closures)
- Target Audience:

- Students, teachers, and other administrative staff as relevant

Registrar

- Dashboard Data to View:
    - Enrollment Statistics:
        - Total number of students enrolled.
        - Enrollment numbers by grade, course, or program.
        - Trends in enrollment over different semesters or academic years.
    -
- Access to System:
    - Managing Student Enrollment Process
    - Maintaining Student Academic Records
    - Generating Reports Related to Enrollment and Academic Records
- Announcement Scope:
    - Enrollment deadlines and procedures
    - Academic calendar updates
    - Examination schedules and grading policies
- Target Audience:
    - Students, teachers, and administrative staff as relevant

Cashier

- Dashboard Data to View:
    - Payment Records
    - Pending Payments
    - Financial Reports
- Access to System:
    - Recording and Managing Payments
    - Access to Financial Reporting Tools
    - Monitoring Payment Status and History
    - Generating Financial Statements and Records
- Announcement Scope:
    - Payment deadlines and billing information
    - Scholarship and financial aid information
- Target Audience:
    - Students

ACCEPTANCE TEST

Table 4. ISO Software Evaluation Criteria

Numerical Rating	Categorical Response	Verbal Interpretation
4	Strongly Agree (SA)	Highly Accepted
3	Agree (A)	Accepted
2	Disagree (D)	Less Accepted
1	Strongly Disagree (SD)	Least Accepted

$$WM = \frac{SA*4 + A*3 + D*2 + SD*2}{TNR}$$

Where:

WM = Weighted Average Mean

SA = Strongly Agree

A = Agree

D = Disagree

SD = Strongly Disagree

TNR = Total Number of Respondents

For developing an acceptance test that evaluates Functionality, Reliability, Usability, Efficiency, and Maintainability of the entire system, you would need to expand these test cases. Here's a general approach:

Functionality

- Test Case Development: Ensure test cases cover all features and user roles (teachers, students, admin, staff).
- Validation Points: Check for correctness, completeness, and appropriateness of functionalities.

Test if the system is complete for them. Rate from 1-4

Reliability

- Test Case Development: Include scenarios that test system stability under different conditions (e.g., high user load, network issues).
- Validation Points: Focus on system availability, recoverability, and error handling.

Reliability is all handled by our hosting service HOSTINGER. The hosting service has a guaranteed 99.9% uptime and has a daily backup for database and files.

Ask if this reliability is acceptable for the admin Rate 1-4

Usability

- Test Case Development: Design scenarios that mimic real-world usage by various user roles.
- Validation Points: Assess ease of use, intuitiveness, and user satisfaction.

Ask if this can be used in actual, and if they are comfortable using it, questions:

RATE 1-4
For Students:

- How easily can you access your courses and educational materials on the LMS?

- Are you satisfied with the clarity and organization of course content?
- Does the system provide a convenient way to submit assignments and track your progress?
- Are notifications about important dates, assignments, and grades timely and helpful?
- How would you rate the user-friendliness of the LMS interface?
- Are you able to access additional learning resources easily?
- How satisfied are you with the overall learning experience provided by the system?

For Teachers:

- How well does the LMS support course creation and content management?
- Is the system effective in tracking student progress?
- Does it facilitate efficient assignment management and grading?
- Can you generate and access relevant reports on student performance and course statistics?
- Is the LMS easy to use for content upload and management?
- Are there any challenges or limitations you face while using the system?
- How satisfied are you with the support provided by the LMS for your teaching tasks?
- Does the system contribute to an effective teaching and learning environment?

For Admins:

- How well does the school system support user management (adding, modifying, and deleting accounts)?
- Is the system effective in configuring and managing system settings?
- Can you generate necessary administrative reports (enrollment, staffing, etc.) efficiently?
- Is data management (student records, staff details) secure and effective?
- Does the system comply with legal and educational standards and support auditing?
- Are there any areas where you encounter challenges or limitations?
- How satisfied are you with the overall administrative capabilities of the system?

For Registrar:

- How well does the school system support student data management for the Registrar role?
- Is the system effective in handling student enrollment, registration, and record updates for the Registrar role?
- Can you easily generate reports related to student data, such as enrollment statistics and demographic information?
- Does the system allow for efficient management of student records, including transcripts and academic histories?
- Are there any specific challenges or limitations you encounter while managing student data as a Registrar?
- How satisfied are you with the capabilities of the system for the Registrar role?

For Cashiers:

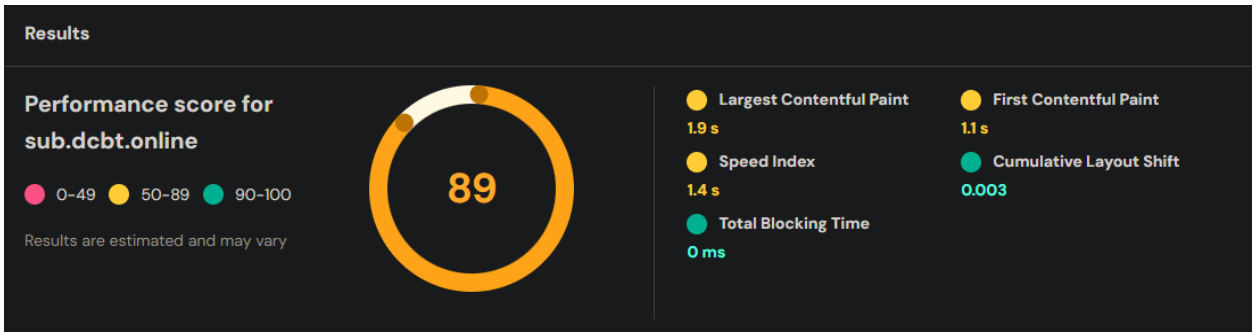
- How effective is the system in processing school fees and payments?
- Can you generate financial reports (receipts, summaries) easily and accurately?
- Are payment notifications to students or parents accurate and timely?
- Do you find the system's transaction security measures satisfactory?
- How satisfied are you with the financial management capabilities of the system?

For Super Admins:

- Is the system capable of handling upgrades, maintenance, and troubleshooting effectively?
- How well does the system support policy and access control management?
- How satisfied are you with the overall system administration capabilities?

Efficiency

- Test Case Development: Create tests to assess system performance under various loads.
- Validation Points: Measure response times, resource usage, and throughput.



Details	Score
Image elements do not have explicit `width` and `height`	0
Set an explicit width and height on image elements to reduce layout shifts and improve CLS. Learn how to set image dimensions	
Serve static assets with an efficient cache policy	45
A long cache lifetime can speed up repeat visits to your page. Learn more about efficient cache policies.	
Serve images in next-gen formats	66
Image formats like WebP and AVIF often provide better compression than PNG or JPEG, which means faster downloads and less data consumption. Learn more about modern image formats.	
Eliminate render-blocking resources	66
Resources are blocking the first paint of your page. Consider delivering critical JS/CSS inline and deferring all non-critical JS/styles. Learn how to eliminate render-blocking resources.	
Properly size images	66
Serve images that are appropriately-sized to save cellular data and improve load time. Learn how to size images.	
First Meaningful Paint	82
First Meaningful Paint measures when the primary content of a page is visible. Learn more about the First Meaningful Paint metric.	

Reduce unused JavaScript	86
Reduce unused JavaScript and defer loading scripts until they are required to decrease bytes consumed by network activity. Learn how to reduce unused JavaScript.	
Avoids enormous network payloads	99
Large network payloads cost users real money and are highly correlated with long load times. Learn how to reduce payload sizes.	

Maintainability

- Test Case Development: Consider scenarios that involve system updates, backups, and recovery.
- Validation Points: Evaluate ease of making changes, diagnosing issues, and system scalability.

  CHECKLIST:

  - Codebase Clarity:
    - Is the codebase well-organized and documented for easy understanding?

Cultura:	Coz:	Sirios:

  - Modularity:
    - Are system components modular and independent, allowing for easier updates and maintenance?

Cultura:	Coz:	Sirios:

    - Can you make changes to one part of the system without affecting other areas?

Cultura:	Coz:	Sirios:

  - Version Control:
    - Is version control (e.g., Git) implemented for tracking code changes and collaboration?

Cultura:	Coz:	Sirios:

  - Documentation:
    - Is there comprehensive technical documentation for the system's architecture, code, and APIs?

Cultura:	Coz:	Sirios:

- Are user manuals and guides available for administrators and users?

Cultura:	Coz:	Sirios:

- Bug Tracking and Resolution:
  - There is a process for reporting and tracking bugs and issues.

Cultura:	Coz:	Sirios:

  - How efficiently are bugs and issues resolved?

Cultura:	Coz:	Sirios:

- System Updates:
  - System updates and patches be applied without disrupting operations?

Cultura:	Coz:	Sirios:

- Data Backup and Recovery:
  - Is there a reliable data backup and recovery system in place?

Cultura:	Coz:	Sirios:

  - Data can be restored in case of data loss.

Cultura:	Coz:	Sirios:

AFTER ANSWERING, EXPLAIN TO CLIENT AND LET THEM RATE 1-4

For each of these areas, you should:

Identify Key Scenarios: Based on the current test cases, identify scenarios that can be extended or modified to cover these aspects.
Define Success Criteria: For each test, define what constitutes a pass or fail.

Document Test Cases: Update your Excel sheet with detailed descriptions, expected results, and specific test data for each scenario.
Execution and Reporting: Execute these tests and record the outcomes. Analyze the results to identify areas for improvement.