**Admin**

* **Dashboard**: Overview of system statistics, notifications, and alerts.

• **User Management**: Add, update, or remove users (students, teachers).

• **Role Management**: Assign roles and permissions to users.

• **Class Management**: Create and manage classes, subjects, and schedules(timetable).

• **Attendance Management**: Monitor and generate reports on attendance.

• **Grade Management**: Set up grading criteria and view overall performance metrics.

• **Reports and Analytics**: Generate detailed reports on various aspects of the school, including performance, attendance, and financials(for students and teacher), have ability to check students status and teacher status(individually and by grade).

* **Communication:** send messages/ notices for student, staffs and teachers. Should be able to choose one student or more. Filter it grade wise. Also choose one or more teachers
* **Examinations:** create examinations, collect student examinations analytics and report, assign teachers for each subject
* **Admission:** initially take few necessary information then give the form and the payment brochure, have a pre admission process for students keep students as pending who haven’t made the full payment
* **Teachers:** assign teachers for subjects and grade, if needed assign for class teacher, have their previous records, if a teacher left the school suspend their accounts and add reasons for leaving nad reactive if joined back
* **Students:** after students been added have the ability to suspend their accounts and also give reason also reactive option
* **Subjects:** create subjects, add chapters for each subjects, their view should be

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **chapters** | **No. of periods allocated** | **term** | **Completion\*** | **Finished on time\*** | **no. of periods took extra(if didn’t ffinish on time)\*** | **Reasons(if didn’t finish on time)\*** |
| 1. **earth** | **3** | **1** | **compleye** | **true** | **-** | **-** |
| 1. **saturn** | **5** | **1** | **completed** | **false** | **2** | **Teacher was absent** |

**\*for teachers to fill**

* **Fees:** ability to record fees, if fees is paid before the due date give them points so that they can redeem for the next year as discounts for their any payment, show them their collected points, generate monthly fees records, records the payment status if they have been paying before due date then mark green else if after the due date but theirs a small gap of period if within it marks as yellow else mark red
* **Calender:** ability to create events, send reminders, view events
* **Sms integration:** ability to msg from system to mobile (api)
* **Resources:** ability to check resources uploaded by teachers
* **Create timetable**

**Teachers**

• **Dashboard**: View daily tasks, upcoming classes, and announcements.

• **Attendance Tracking**: Record and track student attendance.

• **Grade Book(term test)**: Enter and manage student grades and assessments.

• **Communication**: Send messages or notifications to admins.

• **Resource Sharing**: Upload and share learning materials and resources.

• **Reports(class teacher)**: Generate reports on student performance and attendance.

* Examination : creating unit test, monthly test, result (marks,rank)
* Class teacher feedback option
* Subject wise performance reports

1. **Students**

* **Dashboard**: View upcoming assignments, grades, and class schedules.
* **Assignments**: Access and submit assignments or homework.
* **Grades**: View grades and feedback on assessments.
* **Attendance**: Check attendance records.
* **Resources**: Access learning materials and resources uploaded by teachers.
* **Communication**: Send messages to school administration.
* **Calendar:** View academic calendar, deadlines, and events.

Merge parents and students view

Parents view

• **Dashboard**: Overview of child’s academic progress, attendance, and upcoming events.

• **Grades**: View child’s grades and performance reports.

• **Attendance**: Check attendance records for their child.

• **Assignments**: View assignments and deadlines.

• **Communication**: Send messages school administration.

• **Calendar**: Access the school calendar, including parent-teacher meetings and school events.

Staffs

• **Dashboard**: View daily tasks, upcoming classes, and announcements.

• **Grade Book(term test)**: Enter and manage student grades and assessments.

• **Communication**: Send messages or notifications to admins.

• **Resource Sharing**: Upload and share learning materials and resources.

* Examination : creating unit test, monthly test, result (marks,rank)
* Class teacher feedback option
* Subject wise performance reports

Msg view(teachers + students)

|  |
| --- |
| Title |
| Body + attachments |

|  |
| --- |
| To: one student, two or more, one grade, multiple grade, or everystudent  One teacher, two or more, every teacher |
| Title |
| Body + attachment |

finished on time (no) also showing as green

<?php

session\_start();

if (!isset($\_SESSION['user']) || $\_SESSION['user']['role'] !== 'Admin') {

header("Location: login.php");

exit;

}

include("db\_connection.php");

$subject\_id = $\_GET['subject\_id'] ?? null;

// Validate input

if (!$subject\_id) {

die("Invalid Subject ID.");

}

// Fetch subject name

$querySubject = "SELECT subject\_name FROM subjects WHERE id = :subject\_id";

$stmtSubject = $pdo->prepare($querySubject);

$stmtSubject->execute([':subject\_id' => $subject\_id]);

$subject = $stmtSubject->fetch(PDO::FETCH\_ASSOC);

if (!$subject) {

die("Subject not found.");

}

// Fetch grades for the subject

$queryGrades = "

SELECT g.id AS grade\_id, g.grade\_name

FROM grades g

WHERE EXISTS (

SELECT 1 FROM chapters c

WHERE c.subject\_id = :subject\_id AND c.grade\_id = g.id

)

";

$stmtGrades = $pdo->prepare($queryGrades);

$stmtGrades->execute([':subject\_id' => $subject\_id]);

$grades = $stmtGrades->fetchAll(PDO::FETCH\_ASSOC);

?>

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

<meta name="viewport" content="width=device-width, initial-scale=1.0">

<title>Progress for <?= htmlspecialchars($subject['subject\_name']) ?></title>

<style>

body {

font-family: Arial, sans-serif;

margin: 20px;

background-color: #f9f9f9;

color: #333;

}

h1 {

text-align: center;

color: #4caf50;

margin-bottom: 30px;

}

.grade-section {

margin-bottom: 40px;

background-color: #fff;

padding: 20px;

border-radius: 8px;

box-shadow: 0 2px 4px rgba(0, 0, 0, 0.1);

}

.grade-title {

font-size: 22px;

color: #333;

margin-bottom: 20px;

font-weight: bold;

}

table {

width: 100%;

border-collapse: collapse;

margin-bottom: 20px;

}

th, td {

border: 1px solid #ddd;

padding: 10px;

text-align: left;

}

th {

background-color: #f4f4f4;

color: #333;

}

tr:nth-child(even) {

background-color: #f9f9f9;

}

tr:hover {

background-color: #f1f1f1;

}

.progress-bar-container {

text-align: center;

margin: 20px 0;

}

.progress-bar {

display: flex;

justify-content: center;

gap: 5px;

margin: 10px auto;

}

.progress-block {

width: 30px;

height: 30px;

border-radius: 3px;

transition: transform 0.3s ease, background-color 0.3s ease;

}

.progress-block.gray {

background-color: #bbb;

}

.progress-block.green {

background-color: #4caf50;

}

.progress-block.red {

background-color: #f44336;

}

.progress-block:hover {

transform: scale(1.1);

cursor: pointer;

}

.progress-label {

margin-top: 10px;

font-weight: bold;

color: #555;

}

.summary {

font-size: 18px;

color: #555;

text-align: center;

margin-top: 10px;

}

@media (max-width: 768px) {

table {

font-size: 14px;

}

.progress-block {

width: 25px;

height: 25px;

}

}

</style>

</head>

<body>

<h1>Progress for <?= htmlspecialchars($subject['subject\_name']) ?></h1>

<?php if (count($grades) === 0): ?>

<p style="text-align: center; font-size: 18px;">No progress report available.</p>

<?php else: ?>

<?php foreach ($grades as $grade): ?>

<div class="grade-section">

<div class="grade-title"><?= htmlspecialchars($grade['grade\_name']) ?></div>

<?php

// Fetch chapters for the current grade and subject

$queryChapters = "

SELECT chapter\_name, periods\_allocated, term, completion\_status, finished\_on\_time, extra\_periods, reason

FROM chapters

WHERE subject\_id = :subject\_id AND grade\_id = :grade\_id

";

$stmtChapters = $pdo->prepare($queryChapters);

$stmtChapters->execute([

':subject\_id' => $subject\_id,

':grade\_id' => $grade['grade\_id']

]);

$chapters = $stmtChapters->fetchAll(PDO::FETCH\_ASSOC);

// Calculate progress

$totalChapters = count($chapters);

$completedChapters = count(array\_filter($chapters, fn($c) => $c['completion\_status']));

$progressPercentage = $totalChapters > 0 ? round(($completedChapters / $totalChapters) \* 100) : 0;

?>

<?php if ($totalChapters === 0): ?>

<p>No chapters available for <?= htmlspecialchars($grade['grade\_name']) ?></p>

<?php else: ?>

<table>

<thead>

<tr>

<th>Chapter Name</th>

<th>Periods Allocated</th>

<th>Term</th>

<th>Completion Status</th>

<th>Finished on Time</th>

<th>Extra Periods</th>

<th>Reason</th>

</tr>

</thead>

<tbody>

<?php foreach ($chapters as $chapter): ?>

<tr>

<td><?= htmlspecialchars($chapter['chapter\_name']) ?></td>

<td><?= $chapter['periods\_allocated'] ?></td>

<td><?= htmlspecialchars($chapter['term']) ?></td>

<td><?= $chapter['completion\_status'] ? 'Completed' : 'Not Completed' ?></td>

<td><?= $chapter['finished\_on\_time'] === null ? 'N/A' : ($chapter['finished\_on\_time'] ? 'Yes' : 'No') ?></td>

<td><?= $chapter['extra\_periods'] ?></td>

<td><?= htmlspecialchars($chapter['reason'] ?? 'N/A') ?></td>

</tr>

<?php endforeach; ?>

</tbody>

</table>

<!-- Progress Bar -->

<div class="progress-bar-container">

<div class="progress-bar">

<?php foreach ($chapters as $chapter): ?>

<div class="progress-block

<?= $chapter['completion\_status'] ? 'green' : 'gray' ?>">

</div>

<?php endforeach; ?>

</div>

<div class="progress-label"><?= $progressPercentage ?>% Completed</div>

</div>

<!-- Summary -->

<div class="summary">

<?= $progressPercentage ?>% of chapters completed for <?= htmlspecialchars($grade['grade\_name']) ?>.

</div>

<?php endif; ?>

</div>

<?php endforeach; ?>

<?php endif; ?>

</body>

</html>