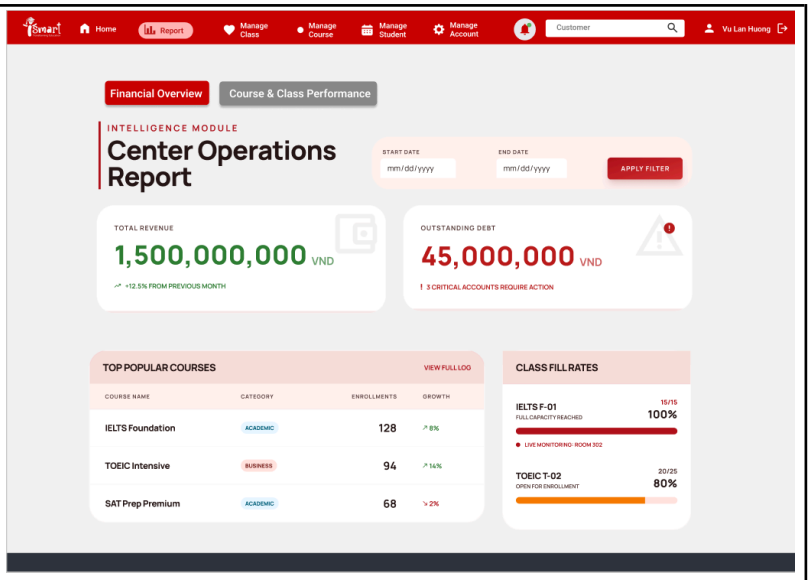
Admin

1. **USER STORY: Admin View Financial Overview (Revenue/Debt)**

Card	- As an Admin - I want to view the financial overview including total revenue and outstanding debt - So that I can monitor the center's financial health and make strategic business decisions.
Summary	This user story allows Admin to view a comprehensive financial dashboard aggregating data from all student enrollments.
In-Scope:	- Aggregate and filter total collected revenue and outstanding debt by specific date ranges.
Out of scope	- Track center operational expenses (e.g., rent, salaries).
Trigger	Admin clicks the **[Financial Overview]** tab on the Report tab.
Pre-condition	- Admin must be logged into the system - System database is available and contains enrollment records.
Business rule and error message	- Total Revenue is the sum of amount_paid from all verified enrollments. - Total Debt is the sum of remaining_debt from all verified enrollments. - Start date cannot be greater than the end date. **Error:** *"Invalid date range."*

Screen design



Screen description

The Financial Overview dashboard provides high-level financial metrics and filtering capabilities for executive monitoring.

Name	Description	Type	Min	Max	Maxlength	Required
filter_start_date	Filter start date	date	-	-	-	no
filter_end_date	Filter end date	date	-	-	-	no
total_revenue	Sum of amount_paid	Decimal		-	-	yes
total_debt	Sum of remaining_debt	Decimal	0	-	-	yes
course_name	Breakdown category	varchar	1	100	100	yes

Acceptance Criteria

AC1 – Initialization of Dashboard

Given Admin navigates to the Financial Overview screen

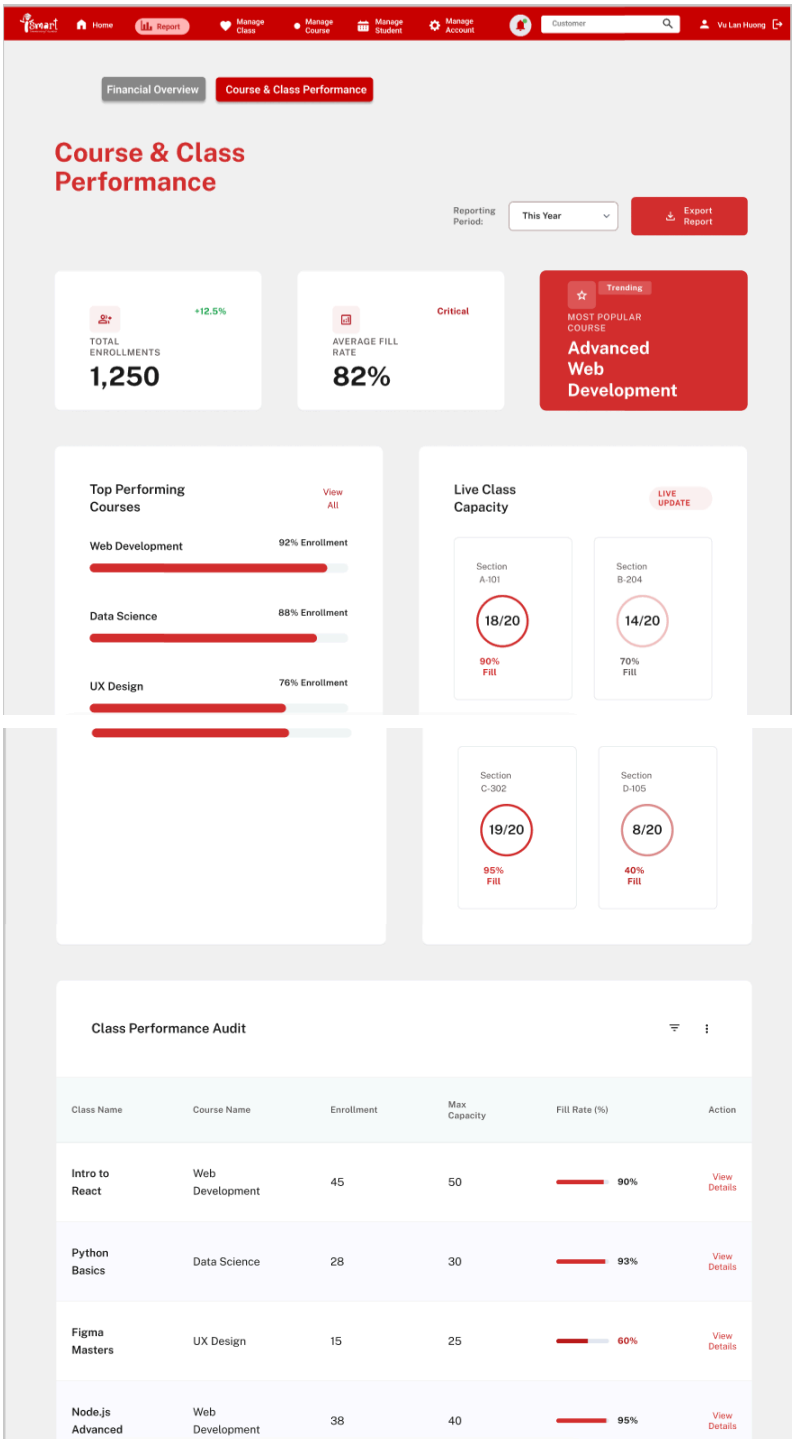
When the page loads

	Then the system displays the default dashboard showing all-time Total Revenue and Total Outstanding Debt. **AC2 – Accurate Revenue Calculation** Given the system loads the financial data When calculating the Total Revenue KPI Then the system correctly sums the amount_paid from all approved records in the Enrollment table. **AC3 – Accurate Debt Calculation** Given the system loads the financial data When calculating the Total Outstanding Debt KPI Then the system correctly sums the remaining_debt from all approved records in the Enrollment table. **AC4 – Apply Date Filter Successfully** Given Admin selects a valid Start Date and End Date When Admin clicks the "Apply Filter" button Then the system recalculates and updates the Total Revenue and Total Debt based only on enrollments created within that date range. **AC5 – Invalid Date Filter** Given Admin selects a Start Date that is later than the End Date When Admin clicks the "Apply Filter" button Then the system blocks the action and displays the invalid date range error message. **AC6 – Access Restriction Enforcement**

	Given a user with a Staff or Sale role attempts to access the Financial Overview URL directly When the system checks permissions Then the system blocks access and displays the Access Denied error message. **AC7 – Empty Data Handling** Given there are no enrollment records in the system matching the selected filters When the dashboard loads Then the system displays $0 for both Total Revenue and Total Debt, alongside a "No financial data available" message.

2. Admin View Course & Class Performance

Card	- As an Admin - I want to view course popularity and class fill rates - So that I can optimize class scheduling and identify the most profitable courses.
Summary	This user story enables Admin to view analytical dashboards focused strictly on course demand and class capacity utilization.
In-Scope:	- Display top courses by total enrollments and calculate class fill rates (current vs. max capacity).
Out of scope	- Track subjective teacher performance or student feedback.
Trigger	Admin clicks the **[Course & Class Performance]** tab on the Report tab.

Pre-condition	- Admin must be logged into the system - System database contains Class and Enrollment records.
Business rule and error message	- Count total successful Enrollment records linked to a course_id. - System calculates (current_enrollment / max_capacity) * 100 for each class.
Screen design	

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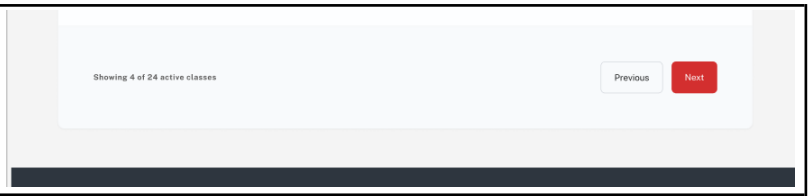
<td> 
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<tr><td>course_name</td><td>Top course's name</td><td>varchar</td><td>1</td><td>100</td><td>100</td><td>yes</td></tr>
<tr><td>class_name</td><td>Specific class</td><td>varchar</td><td>1</td><td>100</td><td>100</td><td>yes</td></tr>
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<tr><td>max_capacity</td><td>Class limit</td><td>int</td><td></td><td>-</td><td>-</td><td>yes</td></tr>
<tr><td>fill_rate</td><td>Capacity percentage</td><td>decimal</td><td>0</td><td>100</td><td>-</td><td>yes</td></tr>
</table></td>
</tr>
<tr>
<td>Acceptance Criteria</td>
<td>AC1 – Dashboard Initialization

Given Admin navigates to the Course & Class Performance dashboard

When the screen loads

Then the system displays the default All-Time data for courses and class fill rates.

AC2 – Course Popularity Calculation

Given the Top Courses table is displayed

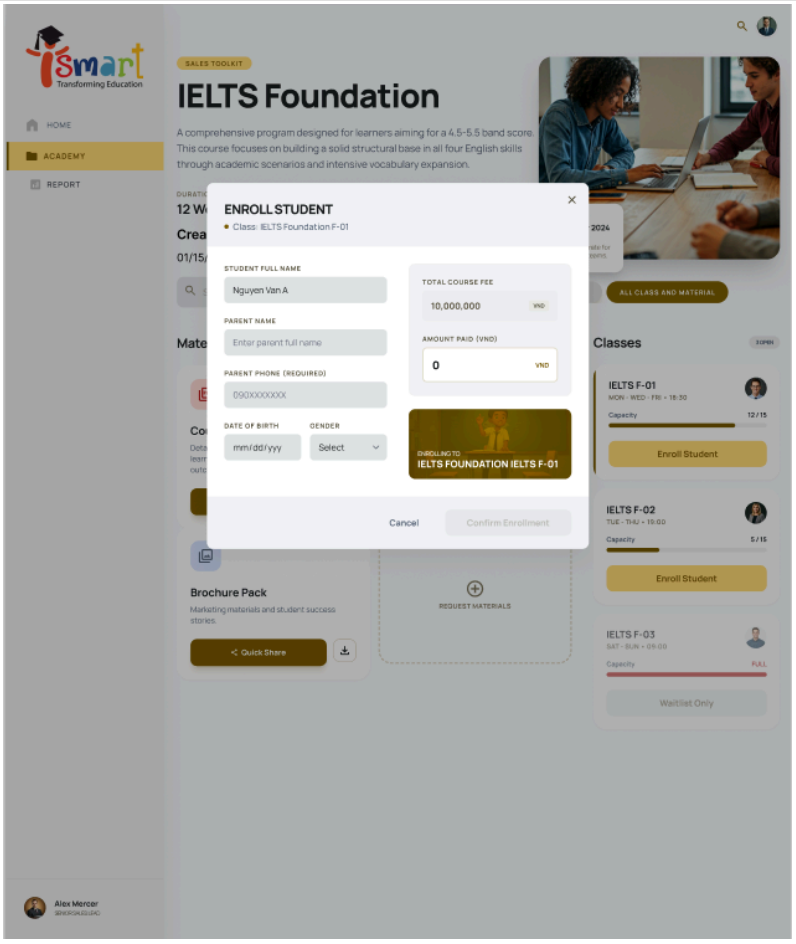
When the system processes the data</td>
</tr>
</table>

	Then it accurately counts and sorts courses in descending order based on the total number of verified enrollments. **AC3 – Class Fill Rate Calculation** Given the Class Fill Rate section is displayed When the system processes the data Then it calculates the percentage of occupied slots by dividing the current_enrollment by the max_capacity for each class. **AC4 – Apply Time Filter** Given Admin selects a specific Time Period filter When the filter is applied Then the system recalculates and refreshes both the Top Courses table and Class Fill Rate chart to show data relevant only to that selected period.

User

1. **USER STORY: Sale Create Student Profile & Enrollment with Payment**

Card	- As a Sale - I want to create a new student profile, enroll them in a class, and record their initial payment simultaneously - So that I can quickly secure a class slot for the customer and provide immediate financial data for Staff verification.
Summary	This user story allows Sale to simultaneously create a student profile, link them to a specific class, and record the initial payment in a single streamlined form.
In-Scope:	- Input student details, check real-time class capacity, and record payment simultaneously.
Out of scope	- Generate LMS credentials or verify financial payments.
Trigger	Sale clicks the [Enroll Student] button directly from the Course Detail or All Class screen.
Pre-condition	- Sale is logged into the system. - The target class exists, is in "Wait to active" or "Recruiting" status. - The target class has available slots - System database must be available
Business rule and error message	- Fields must not be empty **Error:** *"Please fill in all required fields."* - The phone number must be unique in the system to prevent duplicate student profiles. **Error:** "A student with this phone number already exists in the system." - amount_paid must be a numeric value greater than 0 and cannot exceed

	the total Course Fee. **Error:** *"Invalid payment amount. Amount must be greater than 0 and less than or equal to the total course fee."*
Screen design	
Screen description	Quick Enrollment Form (Modal/Popup UI) **Name** / **Description** / **Type** / **Min** / **Max** / **Maxlength** / **Required** full_name / Student's full name / varchar(100) / 1 / 100 / 100 / yes gender / Male/Female/Other / varchar / 1 / 10 / 10 / no parent_name / Parent's full name / varchar(100) / 1 / 100 / 100 / yes parent_phone / Primary contact number / varchar / 10 / 10 / 10 / yes

date_of_birth	Student's DOB	date	-	-	-	no
class_id	Target class ID	int	-	-	-	yes
amount_paid	Money received	decimal		-	20	yes
status	Enrollment state	varchar	-	-	50	yes

Acceptance Criteria

AC1 – Form Initialization

Given Sale is viewing a specific class

When Sale clicks the "Enroll Student" button

Then the system displays the Enrollment Form with the Class Name and Total Course Fee pre-filled.

AC2 – Successful Profile Creation & Enrollment

Given Sale enters valid student information and a valid payment amount

When Sale clicks "Confirm Enrollment"

Then the system successfully creates a new record in the Student table and a linked record in the Enrollment table with the status "Waiting for Verification".

AC3 – Real-time Capacity Validation

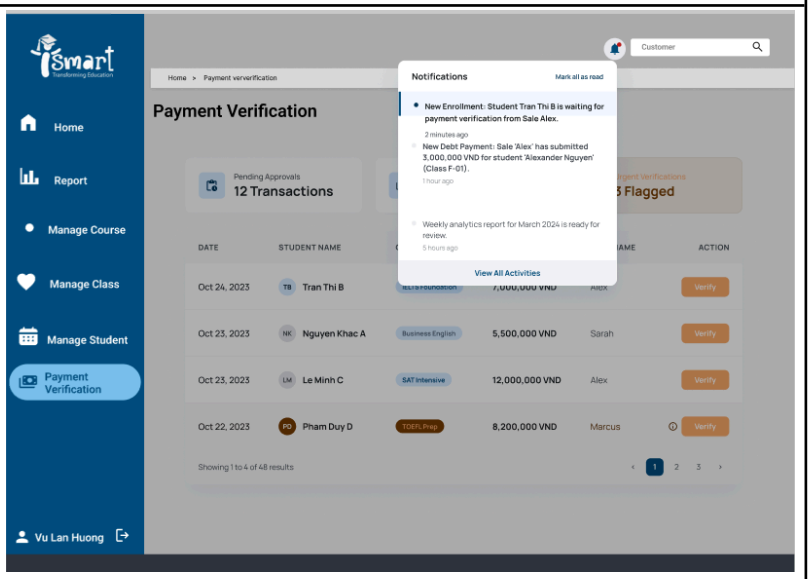
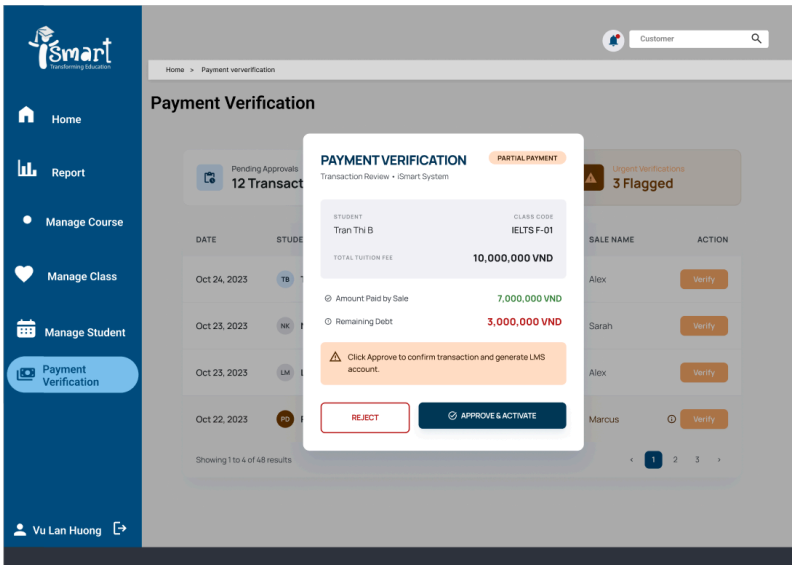
Given the target class currently has 0 available slots (e.g., 15/15 enrolled)

When Sale attempts to open the form or submit the enrollment

2. Staff Verify Payment

Card	- As a Staff

	- I want to verify pending payments (initial or debt) of a pending enrollment and activate the student's account - So that financial records are updated accurately.
Summary	This user story allows Staff to confirm received payments and approve pending enrollments.
In-Scope:	- Approve/reject payments, auto-calculate remaining debt, update payment status, and auto-generate LMS credentials.
Out of scope	- Process financial refunds.
Trigger	Staff clicks the [Payment Verification] menu on the left Sidebar and selects a pending record.
Pre-condition	- Staff is logged into the system. - The selected enrollment record is in "Waiting for Verification" (or Pending) status. - System database must be available
Business rule and error message	- The system must accurately calculate remaining_debt (Total Course Fee - amount_paid). - If a debt payment is approved, the system subtracts the amount from remaining_debt. If it reaches 0, update status to "FULL PAYMENT". - If remaining_debt > 0, update payment_status to "Partial Payment". - lms_username must be generated using the student's phone number. - lms_password must be auto-generated as a secure random string (minimum 6 characters). - If the database transaction fails to update both tables simultaneously.

	Error: "Verification failed due to a system error. Please try again."
Screen design	 
Screen description	The Payment Verification Modal allows Staff to review financial details and safely trigger the activation process. **Name** | **Description** | **Type** | **Min** | **Max** | **Maxlength** | **Required** student_name | Student's full name | varchar | 1 | | 100 | yes

amount_paid	Money recorded by Sale	decimal	0	-	-	yes
remaining_debt	System calculated debt	decimal	0	-	-	yes
payment_status	Current payment state	varchar	-	-	-	yes
lms_username	Generated login ID	varchar	10	20	20	yes
lms_password	Generated password	varchar	6	255	255	yes

Acceptance Criteria

AC1 – Initialization of Verification Screen

Given Staff selects a pending enrollment record
When the Verification Modal loads

Then the system displays the correct Student Name, Class Name, Total Fee, and the amount_paid recorded by Sale.

AC2 – Successful Approval (Paid in Full)

Given the amount_paid is equal to the Total Course Fee

When Staff clicks the "Approve & Activate" button
Then the system calculates remaining_debt as 0 and updates the payment_status to "FULL PAYMENT".

AC3 – Successful Approval (Partial Payment)
Given the amount_paid is less than the Total Course Fee but greater than 0

When Staff clicks the "Approve & Activate" button

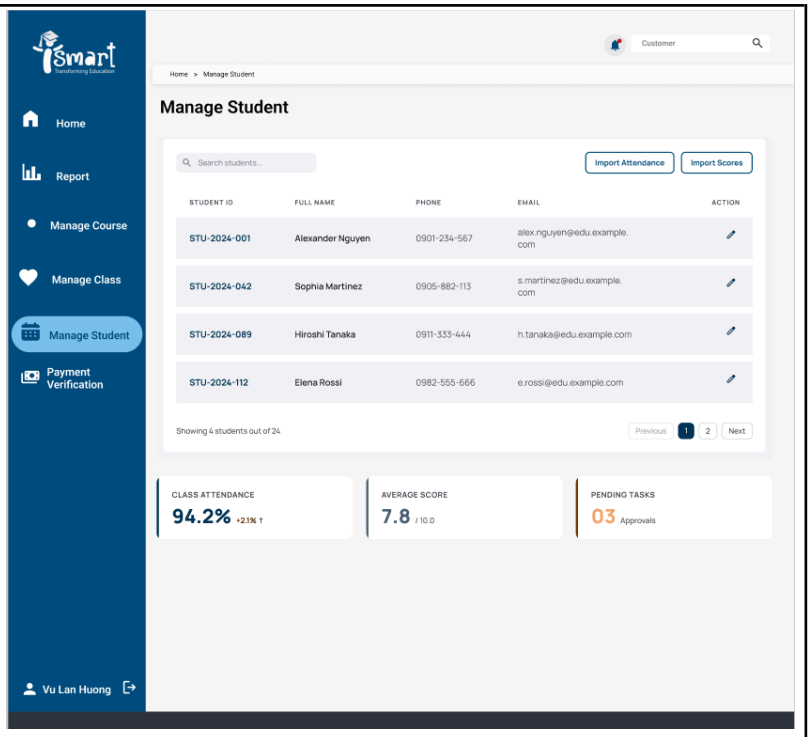
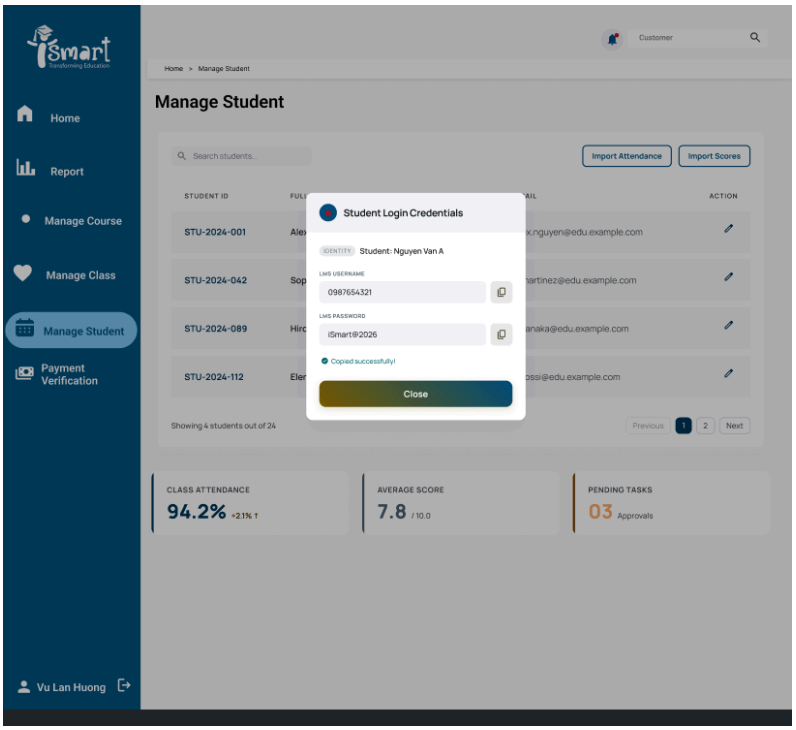
	Then the system correctly calculates the remaining_debt and updates the payment_status to "Partial Payment". **AC4 – Automatic Credential Generation** Given the enrollment is successfully approved by Staff When the database transaction executes Then the system automatically generates a unique lms_username and a random lms_password, saving them to the Student table. **AC5 – Reject Enrollment** Given Staff reviews the payment and finds no matching bank transaction When Staff clicks the "Reject" button Then the system changes the enrollment status to "Rejected" and does not generate LMS credentials. **AC6 – Prevent Double Verification** Given an enrollment has already been approved and activated When Staff attempts to verify it again Then the system hides the "Verify & Activate" button or shows an error: "This enrollment is already active." **AC7 – Database Transaction Failure**

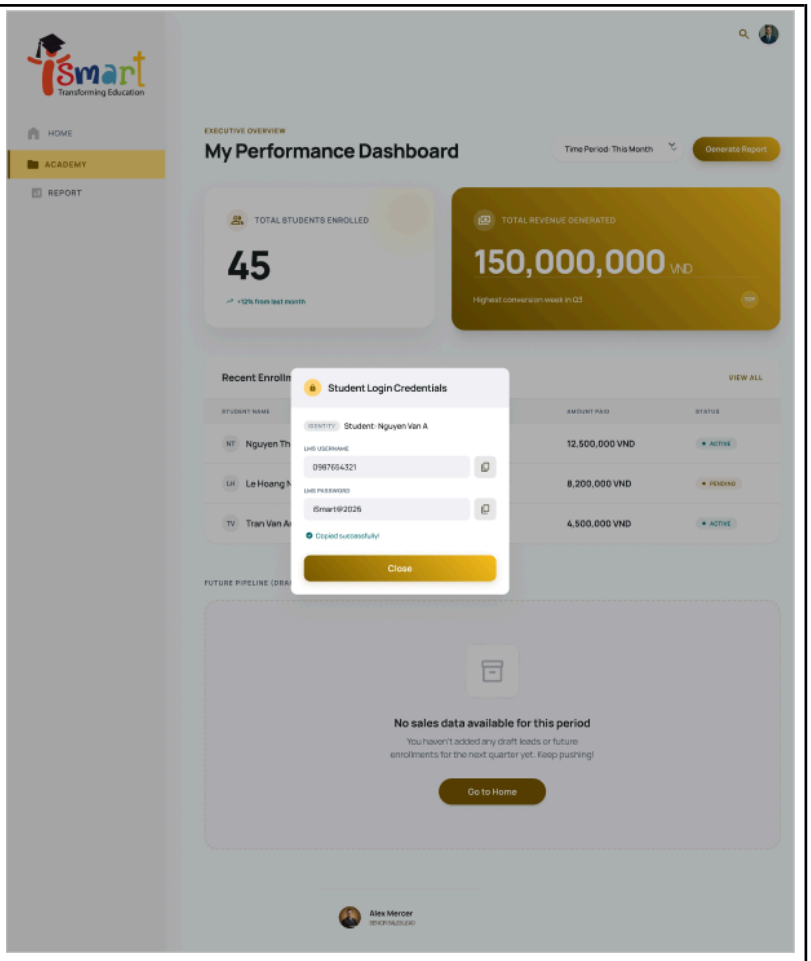
	Given the system experiences a connection timeout When Staff clicks "Approve & Activate" Then the system rolls back all data changes and displays the error message defined in the Business Rules. **AC8 – Cancel Action** Given Staff is viewing the Verification Modal When Staff clicks "Cancel" Then the modal closes and the enrollment remains in its current pending status.

3. **User (Sale/Staff) View Student Credentials**

Card	- As a User (Sale/Staff) - I want to view a student's system-generated LMS credentials - So that I can easily copy and share the login information with the parents or students.
Summary	This user story allows authorized users to view and copy the auto-generated LMS login credentials of an active student.
In-Scope:	- View auto-generated LMS username/password with a quick "Copy to clipboard" function.
Out of scope	- Manually edit, reset, or delete the student's password.

Trigger	User clicks directly on an active student's name within the Student List or Enrollment Hub.
Pre-condition	- User (Sale or Staff) is logged into the system. - The selected student's enrollment has been verified and activated. - System database must be available
Business rule and error message	- Users cannot edit the username or password from this screen to ensure data integrity. - If the student is active but data is missing due to a sync issue. **Error:** "Credentials not found for this student."

Screen design	 



Screen description

The Credentials Viewer is a simple, read-only modal designed for quick information retrieval and sharing.

Includes:

- **Contextual Info:** Student Name (Read-only).
- **Account Info:** LMS Username and LMS Password fields (Read-only text).
- **Action Buttons:** [Copy Info], [Close].

Name	Description	Type	Min	Max	Maxlength	Required
full_name	Student's full name	varchar	1	100	100	yes
lms_username	Generated login ID	varchar	10	20	20	yes
lms_password	Generated password	varchar	6	255	255	yes

Acceptance Criteria	**AC1 – Initialization of Viewer Modal** Given the User clicks the "View Account" button on an active student When the modal loads Then the system displays the modal containing the student's full name, lms_username, and lms_password. **AC2 – Display Correct Credentials** Given the Viewer Modal is open Then the displayed lms_username and lms_password must exactly match the records stored in the Student database table. **AC3 – Copy to Clipboard Action** Given the Viewer Modal is open When the User clicks the "Copy Info" button Then the system copies both the username and password to the device's clipboard and shows a "Copied successfully" toast notification. **AC4 – Missing Credentials Handling** Given a student's enrollment is active but the lms_username or lms_password fields are null in the database When the User opens the Viewer Modal

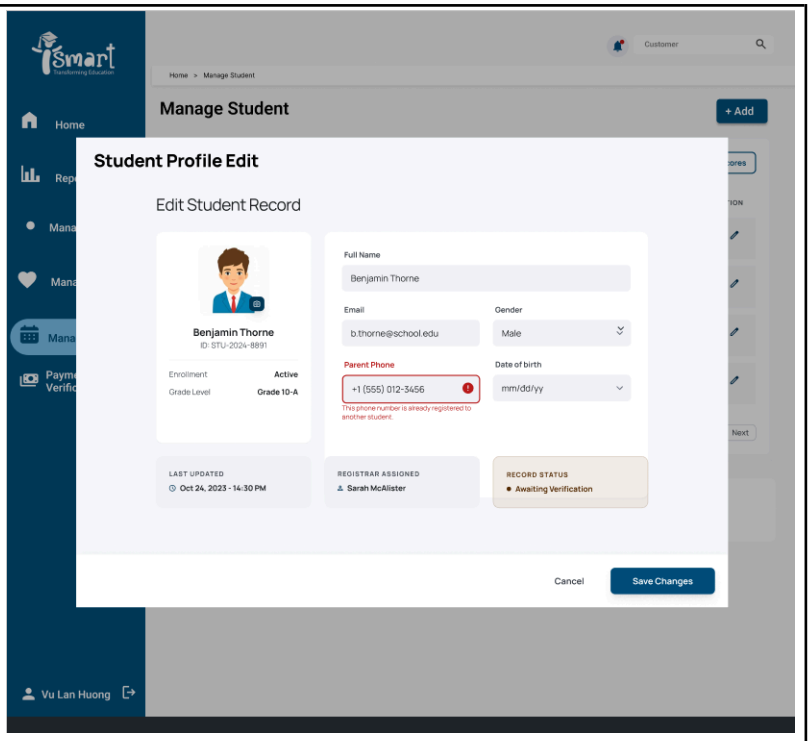
	Then the system displays the error message: "Credentials not found for this student." **AC5 – Read-only Constraint** Given the User is viewing the credentials When the User attempts to type or modify the lms_username or lms_password fields Then the system prevents any input, ensuring the fields remain strictly read-only. **AC6 – Close Viewer Modal** Given the Viewer Modal is open When the User clicks the "Close" button or clicks outside the modal Then the system closes the modal and returns the User to the previous screen.

4. **Staff Update Student Profile**

Card	- As a Staff - I want to update existing student profile information - So that the system maintains accurate and up-to-date contact and personal records..
Summary	This user story allows Staff to modify an existing student's personal and contact information. It ensures all profile updates are strictly validated and accurately reflected in the database.

In-Scope:	- Modify student personal/contact details with strict validation for unique phone numbers.
Out of scope	- Update enrollment status, target classes, or payment records.
Trigger	Staff navigates to [Manage Student] > Selects a Class > [Student List] tab > clicks the [Edit] icon.
Pre-condition	- Staff is logged into the system. - The selected student profile exists in the database. - System database must be available
Business rule and error message	- Full Name and Parent Phone must not be empty. **Error:** "*Full Name and Parent Phone are required.*" - Phone Number must be unique across the system **Error:** "This phone number is already registered to another student." - System Error: Database update failure. **Error:** "Unable to update profile due to a system error."

Screen design



Screen description

Quick Enrollment Form (Modal/Popup UI)

Name	Description	Type	Min	Max	Maxlength	Required
full_name	Student's full name	varchar(100)	1	100	100	yes
gender	Male/Female/Other	varchar	1	10	10	no
parent_name	Parent's full name	varchar(100)	1	100	100	yes
parent_phone	Primary contact number	varchar	10	10	10	yes
date_of_birth	Student's DOB	date	-	-	-	no
class_id	Target class ID	int	-	-	-	yes
amount_paid	Money received	decimal		-	20	yes
status	Enrollment state	varchar	-	-	50	yes

Acceptance Criteria

AC1 – Initialization with Existing Data

	Given Staff clicks the Edit button on a student record When the Update Profile screen loads Then the system displays the form pre-filled with the student's current information retrieved from the database. **AC2 – Successful Profile Update** Given Staff modifies the profile with valid information When Staff clicks the "Save Changes" button Then the system updates the Student record in the database successfully and returns to the Student Management screen. **AC3 – Mandatory Fields Validation** Given Staff clears the Full Name or Phone Number field When Staff attempts to save the changes Then the system prevents the update and displays the mandatory field error message. **AC4 – Unique Phone Number Constraint** Given Staff changes the phone number to one that already belongs to another student When Staff clicks "Save Changes" Then the system rejects the update and displays the duplicate phone number error message.

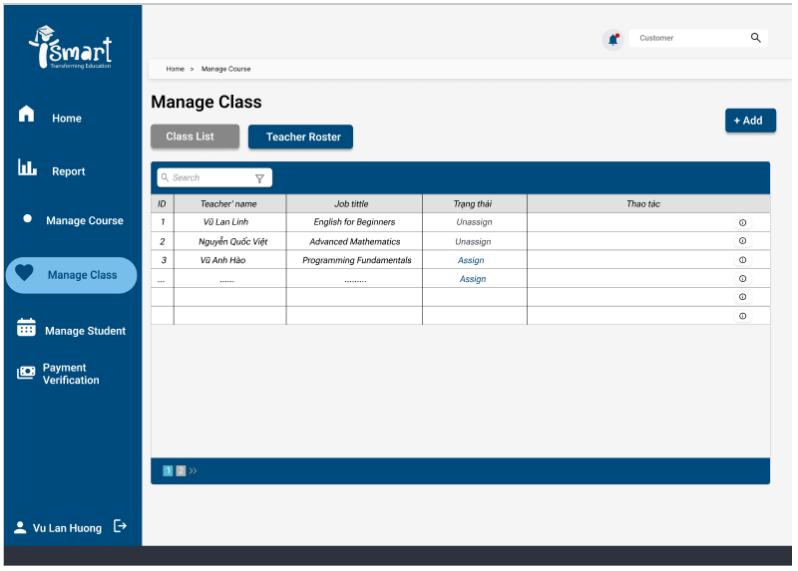
	AC5 – Cancel Update Action Given Staff has made changes to the form fields When Staff clicks the "Cancel" button Then the system discards all unsaved changes and closes the Update Profile screen. **AC6– System Error Handling** Given the system loses connection to the database When Staff submits the form Then the system aborts the operation and displays the system error message defined in the Business Rules.

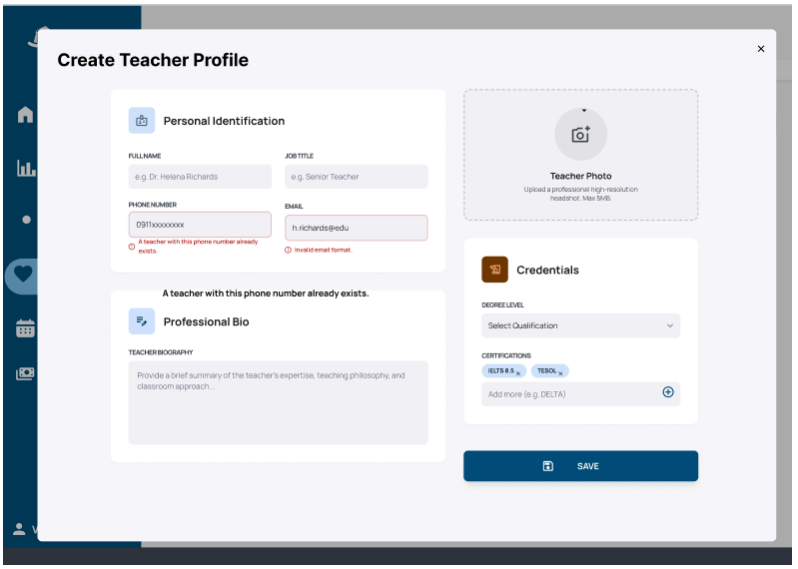
5. **Staff Create Teacher Profile**

Card	- As a Staff - I want to create a new teacher profile - So that I can manage teaching personnel and have their records ready for class assignments.
Summary	This user story enables Staff to input and save the personal and professional details of a newly hired teacher.
In-Scope:	- Input new teacher demographic and professional data, ensuring unique phone numbers and valid emails.
Out of scope	- Assign the teacher to specific classes or auto-generate login accounts.
Trigger	Staff clicks the [Add] button in the [Teacher Roster]

Pre-condition	- Staff is logged into the system. - System database must be available
Business rule and error message	- Fields must not be empty **Error:** *"Please fill in all required fields."* - Phone Number must be unique across the teacher database. **Error:** "A teacher with this phone number already exists." - If an email is provided, it must follow standard email formatting. **Error:** "Invalid email format." - Database connection failure. **Error:** "Unable to create teacher profile due to a system error."

Screen design





Screen description

The Create Teacher Profile screen provides a clean, structured form for Staff to enter the new instructor's demographic and professional information.

Name	Description	Type	Min	Max	Maxlength	Required
full_name	Teacher's full name	varchar(100)	1	100	100	yes
title	Job title/Prefix	varchar	1	50	50	
phone_number	Primary contact	varchar	10	10	10	yes

email	Teacher's email	varchar	5	100		yes
degree	Highest education level	varchar	1	100	100	yes
certification	Professional certs	varchar	1	255	255	yes
bio	Short biography	text		-	500	yes

Acceptance Criteria

AC1 – Initialization of Create Screen

Given Staff is on the Teacher Management screen
When Staff clicks the "Add New Teacher" button
Then the system displays the empty Create Teacher Profile form.

AC2 – Successful Profile Creation

Given Staff enters valid personal and professional information matching the database constraints
When Staff clicks the "Save Profile" button

Then the system successfully creates a new record in the Teacher table and redirects back to the Teacher Management screen.

AC3 – Mandatory Fields Validation

Given Staff leaves the field blank

When Staff clicks the "Save Profile" button

Then the system blocks the submission and displays the mandatory fields error message.

AC4 – Duplicate Phone Number Check

Given Staff enters a phone number that is already registered to another teacher

	When Staff submits the form Then the system prevents the creation and displays the duplicate phone number error message. **AC5 – Cancel Action** Given Staff is currently filling out the Create Teacher Profile form When Staff clicks the "Cancel" button Then the system discards all entered data and returns the user to the previous screen. **AC6 – System Error Handling** Given the database is temporarily unreachable When Staff clicks "Save Profile" Then the system halts the operation and displays the database error message defined in the Business Rules.

6. Staff Assign Teacher to Class

Card	- As a Staff - I want to assign a teacher to a specific class - So that the class has a designated instructor and schedule conflicts are actively prevented.
Summary	This user story allows Staff to select and assign an active instructor to a specific class.

In-Scope:	- Select an active teacher from a dropdown and strictly prevent schedule conflicts.
Out of scope	
Trigger	Staff clicks [Assign] inside the Class Information modal within the [Manage Class] menu.
Pre-condition	- Staff is logged into the system. - The selected class exists in the database. - At least one active teacher exists in the database.
Business rule and error message	- A teacher must be selected from the list. **Error:** "*Please select a teacher to assign.*" - The dropdown list must only display teachers with an "Active" employment status. - The system must check the selected teacher's current assignments. If the teacher is already assigned to another class with an overlapping timeframe (based on start_date, end_date, and schedule), the assignment is blocked. **Error:** "Assignment failed. The selected teacher has a schedule conflict during this time." - Database connection failure. **Error:** "Unable to assign teacher due to a system error."
Screen design	

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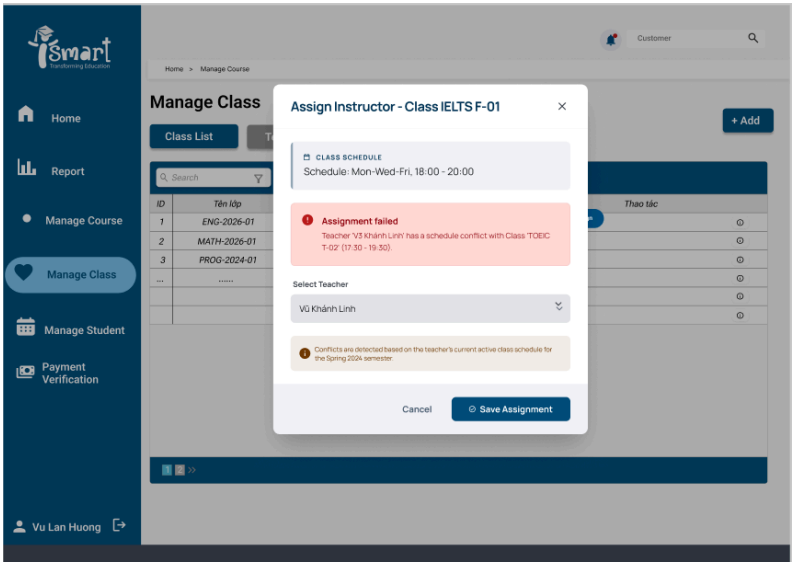
<td> 
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<tr>
<td>Screen description</td>
<td>The Assign Teacher modal is a focused interface allowing Staff to link an instructor to a class while cross-referencing the class schedule.
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<tr><td>end_date</td><td>Class end date</td><td>date</td><td></td><td></td><td></td><td>yes</td></tr>
<tr><td>schedule</td><td>Teaching days/hours</td><td>varchar</td><td>1</td><td>100</td><td>100</td><td>yes</td></tr>
<tr><td>teacher_id</td><td>Assigned instructor</td><td>int</td><td></td><td></td><td></td><td>yes</td></tr>
</table></td>
</tr>
<tr>
<td>Acceptance Criteria</td>
<td>AC1 – Initialization of Assignment Modal

Given Staff clicks the "Assign Teacher" button on a class

When the modal loads</td>
</tr>
</table>

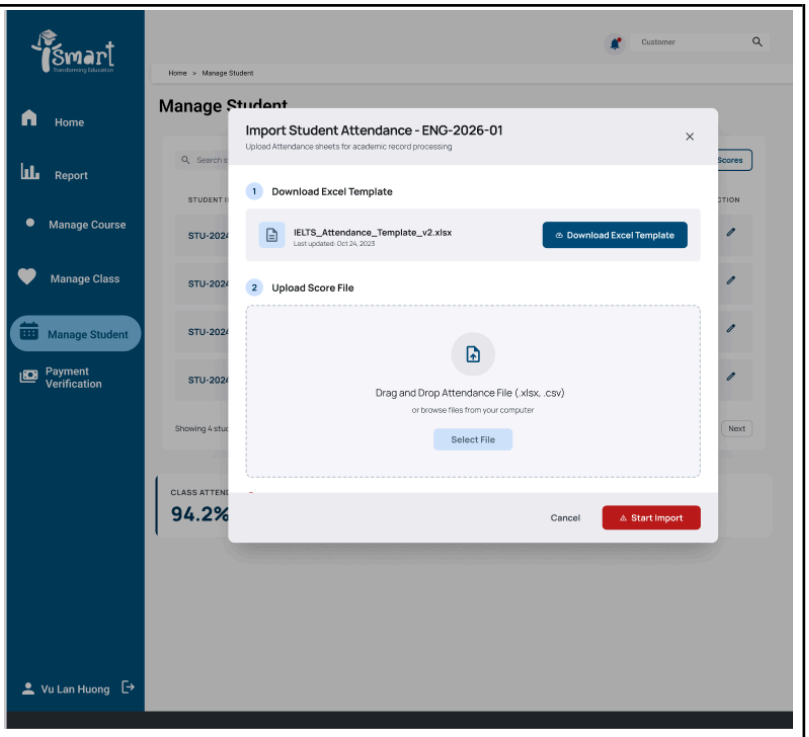
	Then the system displays the Class Name, Start Date, End Date, and Schedule as read-only fields to provide context. **AC2 – Active Teacher Filtering** Given the Assign Teacher modal is open When Staff opens the Teacher Dropdown list Then the system displays only teachers whose employment status is set to "Active" in the database. **AC3 – Successful First-time Assignment** Given the class currently has no teacher assigned When Staff selects an available teacher and clicks "Save Assignment" Then the system updates the teacher_id in the Class table successfully and closes the modal. **AC4 – Successful Re-assignment** Given the class already has a teacher assigned When Staff selects a different available teacher and clicks "Save Assignment" Then the system replaces the old teacher_id with the new one in the Class table without errors. **AC5 – Mandatory Selection Validation** Given Staff opens the Assign Teacher modal When Staff leaves the Teacher Dropdown empty and clicks "Save Assignment"

	Then the system blocks the submission and displays the mandatory field error message. **AC6 – Schedule Conflict Prevention** Given Staff selects a teacher who is already assigned to another class with overlapping dates and schedule times When Staff clicks "Save Assignment" Then the system blocks the update and displays the schedule conflict error defined in the Business Rules. **AC7 – Cancel Assignment** Given Staff is interacting with the modal When Staff clicks the "Cancel" button Then the system closes the modal and no database changes are made. **AC8 – System Error Handling** Given the database connection is lost during the update When Staff clicks "Save Assignment" Then the system halts the transaction and displays the system error message.

7. **Staff Import Attendance from Excel**

Card	- As a Staff - I want to import student attendance data from an Excel file

	- So that I can quickly update attendance records for an entire class without manual data entry.
Summary	This user story allows Staff to upload an Excel file to bulk-update student attendance records for a specific class.
In-Scope:	- Bulk-update attendance via Excel/CSV upload with strict validation for file formats and enrolled student IDs.
Out of scope	- Manual single-record entry or exporting physical attendance reports.
Trigger	Staff navigates to [Manage Student] > Selects a Class > clicks [Import Attendance].
Pre-condition	- Staff is logged into the system. - The target class exists and has enrolled students. - System database is available.
Business rule and error message	- File Format & Size: Only .xlsx or .csv files are allowed, maximum size 5MB. **Error:** "Invalid file. Please upload an Excel (.xlsx) or CSV file under 5MB. - Data Validation (Student Match): The students listed in the file must be currently enrolled in the selected class. **Error:** "Import failed. Row [X] contains a student not enrolled in this class." - Data Validation (Status): Status must match predefined values (e.g., Present, Absent, Late). **Error:** "Import failed. Row [X] contains an unrecognized attendance status."

<table>
<tr>
<td>Screen design</td>
<td> 
</td>
</tr>
<tr>
<td>Screen description</td>
<td>The Import Attendance modal provides a straightforward interface for Staff to download the template and upload their completed spreadsheet.
<table>
<tr><th>Name</th><th>Description</th><th>Type</th><th>Min</th><th>Max</th><th>Maxlength</th><th>Required</th></tr>
<tr><td>class_id</td><td>Target class</td><td>int</td><td>-</td><td>-</td><td>-</td><td>yes</td></tr>
<tr><td>import_file</td><td>Uploaded document</td><td>file</td><td>1KB</td><td>5KB</td><td>-</td><td>yes</td></tr>
<tr><td>student_phone</td><td>Identifier in file</td><td>varchar</td><td>10</td><td>20</td><td>20</td><td>yes</td></tr>
<tr><td>date</td><td>Attendance date</td><td>date</td><td>-</td><td>-</td><td>-</td><td>yes</td></tr>
<tr><td>status</td><td>Present/Absent/Late</td><td>varchar</td><td>1</td><td>20</td><td>20</td><td>yes</td></tr>
</table></td>
</tr>
<tr>
<td>Acceptance Criteria</td>
<td>AC1 – Initialization of Import Modal

Given Staff clicks the "Import Attendance" button for a specific class

When the modal loads</td>
</tr>
</table>

	Then the system displays the Class Name and provides a file upload interface. **AC2 – Download Template Action** Given the Import Modal is open When Staff clicks the "Download Template" link Then the system downloads a pre-formatted Excel file containing the enrolled students' information and column headers for Date and Status. **AC3 – Successful Data Import** Given Staff uploads a valid Excel file with correct student IDs, dates, and statuses When Staff clicks "Start Import" Then the system parses the file, saves the records to the Attendance table, and displays a success message: "Attendance imported successfully." **AC4 – Invalid File Format Validation** Given Staff attempts to upload a PDF or Word document When the file is selected Then the system blocks the upload immediately and displays the invalid file format error message. **AC5 – File Size Limit Exceeded** Given Staff uploads an Excel file larger than 5MB When Staff clicks "Start Import"

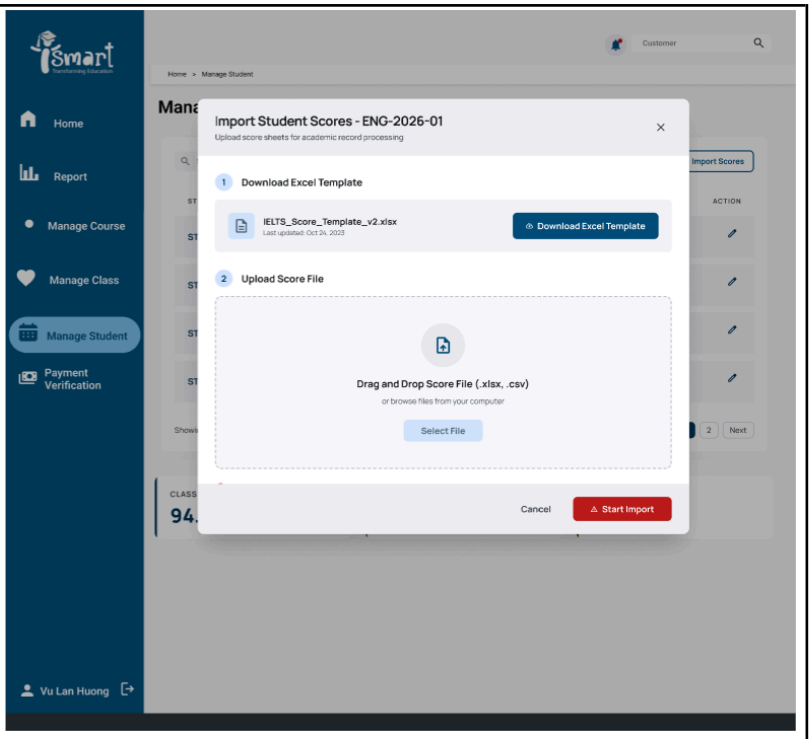
	Then the system rejects the file and displays the file size error message. **AC6 – Unenrolled Student Validation** Given the uploaded file contains a phone number or ID of a student NOT enrolled in the target class When the system parses the file Then the system halts the import, makes no changes to the database, and displays an error indicating the specific row with the mismatch. **AC7 – Cancel Import** Given Staff has opened the modal or selected a file When Staff clicks "Cancel" Then the system closes the modal without uploading or processing any data.

8. **Staff Import Score from Excel**

Card	- As a Staff - I want to import student score data from an Excel file - So that I can quickly record grades for an entire class without manual data entry.
Summary	This user story allows Staff to upload an Excel file to bulk-record student academic scores for a specific class.
In-Scope:	- Bulk-record grades via Excel/CSV upload, validating score ranges (0-10) and matching student IDs.

Out of scope	- Manual single-record grading or exporting report cards.
Trigger	Staff navigates to [Manage Student] > Selects a Class > clicks [Import Score].
Pre-condition	- Staff is logged into the system. - The target class exists and has enrolled students. - System database is available.
Business rule and error message	- File Format & Size: Only .xlsx or .csv files are allowed, maximum size 5MB. **Error:** "Invalid file. Please upload an Excel (.xlsx) or CSV file under 5MB. - Data Validation (Student Match): The students listed in the file must be currently enrolled in the selected class. **Error:** "Import failed. Row [X] contains a student not enrolled in this class." - Data Validation (Score Value): The score must be a valid numeric value within the allowed grading scale (e.g., 0 to 10). **Error:** "Import failed. Row [X] contains an invalid score value." - Data Validation (Score Type): The type of score must match predefined system categories (e.g., Midterm, Final, Assignment). **Error:** "Import failed. Row [X] contains an unrecognized score type."" -

Screen design



Screen description

The Import Score modal provides a simple, focused interface for Staff to download the grading template and upload the completed file.

Name	Description	Type	Min	Max	Maxlength	Required
class_id	Target class	int	-	-	-	yes
import_file	Uploaded document	file	1KB	5KB	-	yes
student_phone	Identifier in file	varchar	10	20	20	yes
score_type	Midterm, Final, etc.	varchar	1	50	50	yes
score_value	Numeric grade	float	0	10	-	yes

Acceptance Criteria

AC1 – Initialization of Import Modal

Given Staff clicks the "Import Score" button for a specific class

When the modal loads

	Then the system displays the Class Name and provides a file upload interface. **AC2 – Download Template Action** Given the Import Modal is open When Staff clicks the "Download Template" link Then the system downloads a pre-formatted Excel file containing the enrolled students' information and column headers for Score Type and Score Value. **AC3 – Successful Data Import** Given Staff uploads a valid Excel file with correct student IDs, score types, and score values When Staff clicks "Start Import" Then the system parses the file, saves the records to the Score table, and displays a success message: "Scores imported successfully." **AC4 – Invalid File Format Validation** Given Staff attempts to upload an unsupported file format (e.g., PDF) When the file is selected Then the system blocks the upload immediately and displays the invalid file format error message. **AC5 – Unenrolled Student Validation** Given the uploaded file contains a phone number or ID of a student NOT enrolled in the target class

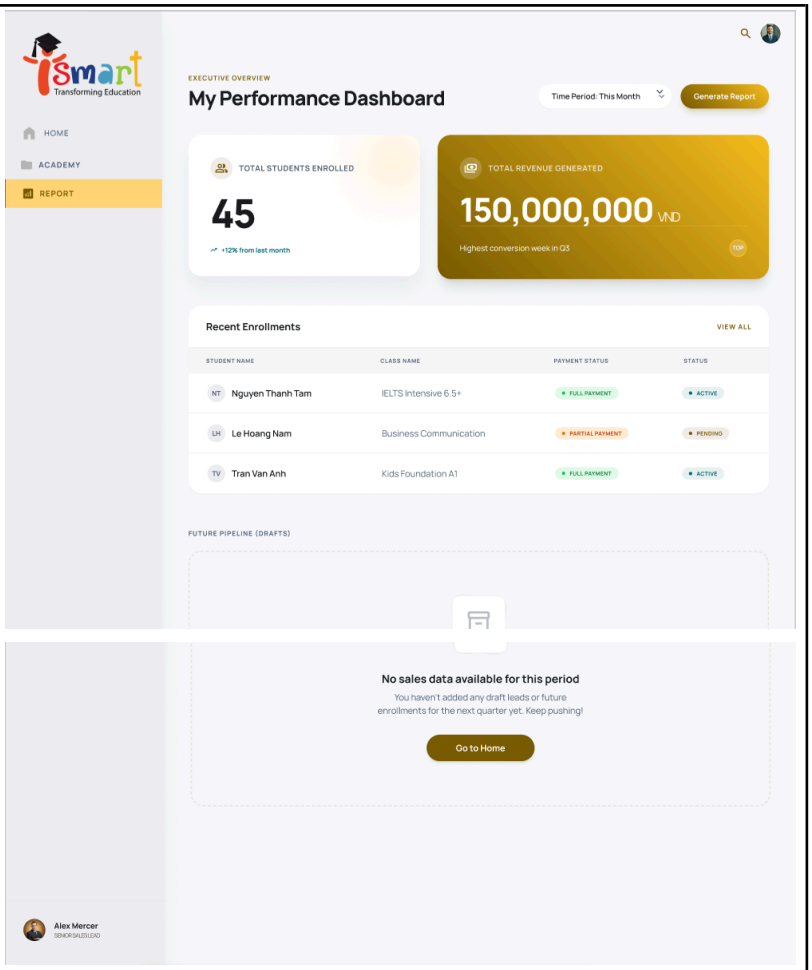
	When the system parses the file Then the system halts the import, makes no database changes, and displays an error indicating the specific row with the mismatch. **AC6 – Invalid Score Value Validation** Given the uploaded file contains a score value less than 0 or greater than 10 When the system parses the file Then the system halts the import and displays an error indicating the row with the out-of-range score. **AC7 – Invalid Score Type Validation** Given the uploaded file contains a score type that is not recognized by the system When the system parses the file Then the system halts the import and displays an error indicating the row with the invalid score type. **AC8 – Cancel Import Action** Given Staff has opened the modal or selected a file When Staff clicks "Cancel" Then the system closes the modal without uploading or processing any data.

9. Sale View Personal Sales Report

Card	- As a Sale

	- I want to view my personal sales report - So that I can track my performance, monitor my enrolled students, and see my generated revenue.
Summary	This user story allows Sale personnel to view a personalized dashboard displaying their individual performance metrics.
In-Scope:	- View isolated personal KPI metrics (total students, generated revenue) and track recent client enrollments/debts.
Out of scope	- View sales performance of other team members or overall center revenue.
Trigger	Sale clicks the [Report] tab on the Navbar.
Pre-condition	- Sale is logged into the system. - System database contains Enrollment and Student records linked to the user's account ID.
Business rule and error message	- Data Isolation (Security): The system must strictly filter all dashboard data using the logged-in user's ID. A Sale user cannot view records created by another user. - Student Count Logic: Count the total number of Enrollment records created by the logged-in user. - Revenue Logic: Sum the amount_paid from all Enrollment records created by the logged-in user. - Data Availability: If no sales have been made in the selected period. **Error:** "No sales data available for this period." -

Screen design



Screen description

The Personal Sales Report provides an isolated, highly motivational view of the logged-in Sale employee's achievements and recent activities.

Name	Description	Type	Min	Max	Maxlength	Required
time_period	Filter by time	varchar	-	-	50	no
total_students	Personal KPI count	int	0	-	-	yes
total_revenue	Personal KPI sum	decimal	0	-	-	yes
student_name	Enrolled client	varchar	1	100	100	yes
class_name	Target class	varchar	1	100	100	yes
status	Enrollment state	varchar	-	-	50	yes

Acceptance Criteria	**AC1 – Dashboard Initialization** Given Sale navigates to the Personal Sales Dashboard When the screen loads Then the system displays the default current month's data for Total Students and Total Revenue. **AC2 – Data Isolation Enforcement** Given Sale is viewing the dashboard When the system retrieves the data Then the system only includes Enrollment records where the creator ID exactly matches the logged-in Sale's user ID. **AC3 – Accurate Student Count Calculation** Given the KPI cards are displayed When the system processes the student count Then it accurately counts the total number of enrollment records linked to the logged-in user for the selected time period. **AC4 – Accurate Revenue Calculation** Given the KPI cards are displayed When the system processes the revenue Then it accurately sums the amount_paid from all enrollment records linked to the logged-in user for the selected time period.

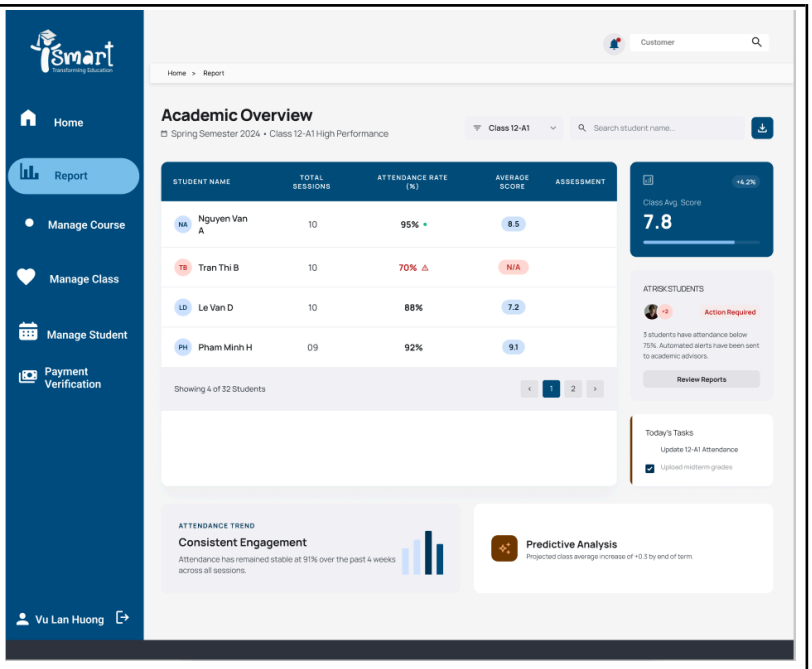
	AC5 – Apply Time Filter Given Sale selects a specific Time Period filter (e.g., "This Year") When the filter is applied Then the system recalculates and refreshes all KPI cards and the Recent Activity table to show data relevant only to that selected period. **AC6 – Empty Data Handling** Given the logged-in Sale has not created any enrollments during the selected time period When the dashboard refreshes Then the system displays 0 for the KPI metrics and shows the "No sales data available" message in the activity table.

10. Staff View Attendance & Grade Overview

Card	- As a Staff - I want to view the combined attendance and grade overview for a specific class - So that I can monitor student academic progress, identify at-risk students, and update parents effectively.

Summary	This user story allows Staff to monitor student performance and participation within a specific class.
In-Scope:	- Display a consolidated table showing the attendance rate (%) and average score for students in a selected class.
Out of scope	- Import raw academic data or generate printable report cards.
Trigger	Staff navigates to [Report] > filter a Class
Pre-condition	- Sale is logged into the system. - The selected class exists and has enrolled students. - System database contains Attendance and Score records.
Business rule and error message	- Attendance Logic: The system calculates the rate as (Total "Present" days / Total recorded attendance days) * 100. - Grade Logic: The system calculates the average by summing all score_value entries for the student in that class, divided by the total number of score entries. - Empty Data Handling: If a student has no attendance or score records yet, the system must display "N/A" instead of calculating 0 to avoid penalizing the student prematurely.

Screen design



Screen description

The Academic Overview screen provides a consolidated tabular view of student performance and participation metrics for a selected class.

Name	Description	Type	Min	Max	Maxlength	Required
student_name	Enrolled client	varchar	1	100	100	yes
class_name	Target class	varchar	1	100	100	yes
total_sessions	Count of recorded days	int	0	-	-	yes
average_score	Mean academic grade	decimal	0	-	-	yes
attendance_rate	Participation %	decimal	0	-	-	yes

Acceptance Criteria

AC1 – Initialization of Overview Screen

Given Staff navigates to the Academic Overview screen

When the page loads

	Then the system displays the data for the most recently accessed class by default. **AC2 – Accurate Attendance Calculation** Given the overview table is displayed When the system processes participation data Then it accurately calculates the attendance_rate by dividing the number of "Present" statuses by the total recorded sessions for each student. **AC3 – Accurate Average Score Calculation** Given the overview table is displayed When the system processes academic data Then it accurately calculates the average_score based on all score_value entries recorded for each student in the selected class. **AC4 – Apply Class Filter** Given Staff opens the Class Context Dropdown When Staff selects a different class Then the system refreshes the overview table to display only the enrolled students and metrics for the newly selected class. **AC5 – Empty Data Handling (No Records)** Given an enrolled student currently has no attendance or score records in the database When the system populates the table

	Then the system displays "N/A" in the attendance_rate and average_score columns for that specific student. **AC6 – Risk Highlighting** Given a student's calculated attendance_rate falls below 80% or their average_score is below 5.0 When the table renders Then the system visually highlights those specific cells (e.g., in red text) to alert Staff of at-risk students.