

## Phase 10: Testing

- Created sample Students, Courses, Enrollments, and Attendance records
- Verified validation rules to prevent duplicate enrollments
- Tested Auto Attendance Flow to ensure records are created automatically
- Checked reports and dashboards for accurate grouping and metrics
- Security tested for correct access permissions and field-level restrictions
- Screenshots captured for all key functionalities

The screenshot shows a Salesforce Lightning application window. At the top, there's a navigation bar with links for Students, Courses, Enrollments, Attendances, Reports, and Dashboards. On the left, there's a sidebar with a cloud icon and the text "Institute Management...". The main area displays a list titled "Recently Viewed" under the "Students" category. It shows four items, each with a checkbox and a name: 1. Gavvala Vyshnavi, 2. vyshnavi, 3. john Doe, and 4. Larkin. There are also buttons for New, Import, Change Owner, and Assign Label at the top right of the list area.

[https://orgfarm-01a15847e9-dev-ed.develop.lightning.force.com/lightning/r/Student\\_\\_c/a00fj00000U67yAAJ/view](https://orgfarm-01a15847e9-dev-ed.develop.lightning.force.com/lightning/r/Student__c/a00fj00000U67yAAJ/view)

The screenshot shows a Salesforce Lightning interface for a student record. The top navigation bar includes links for Students, Courses, Enrollments, Attendances, Reports, and Dashboards. The main content area displays the student's details under the 'Details' tab. The student's name is Gavala Vyshnavi, with an email address gavalavyshnavi264@gmail.com and a phone number (950) 213-8859. The DOB is listed as 9/5/2005. Enrollment status is Applied, and the student is currently enrolled in Java. The record was created by Gavala Vyshnavi on 9/25/2025 at 12:10 AM and last modified by her on 10/17/2025 at 8:44 PM. To the right of the details is an 'Activity' sidebar showing no upcoming or overdue activities.

[https://orgfarm-01a15847e9-dev-ed.develop.lightning.force.com/lightning/o/Course\\_\\_c/list?filterName=\\_Recent](https://orgfarm-01a15847e9-dev-ed.develop.lightning.force.com/lightning/o/Course__c/list?filterName=_Recent)

The screenshot shows a Salesforce Lightning interface for a list of courses. The top navigation bar includes links for Students, Courses, Enrollments, Attendances, Reports, and Dashboards. The main content area displays a list titled 'Recently Viewed' under the 'Courses' category. There are two items in the list: Java and Python Programming. A toolbar above the list provides options for New, Import, Change Owner, and Assign Label, along with other standard list management icons.

The screenshot shows a course detail page for 'Java'. The top navigation bar includes links for Students, Courses (selected), Enrollments, Attendances, Reports, and Dashboards. A search bar and various icons are also present. The main content area displays course details under the 'Details' tab:

Course Name	Owner
Java	Gawala Vyshnavi
Course Name	
Credits	
3	
Department	
CSD	
Duration	
6	
Course Code	
12345	
Start Date	
10/17/2025	
End Date	
4/17/2026	
Created By	Last Modified By
Gawala Vyshnavi, 9/24/2025, 11:49 PM	Gawala Vyshnavi, 10/17/2025, 8:44 PM

The screenshot shows a list of recently viewed enrollments. The top navigation bar is identical to the previous screenshot. The main content area displays a list titled 'Recently Viewed':

Enrollment Name
1 john Doe
2 Gawala Vyshnavi
3 Larkin
4 vyshnavi

[https://orgfarm-01a15847e9-dev-ed.lightning.force.com/lightning/r/Enrollment\\_c/a01fj00000MtmQjAA/view](https://orgfarm-01a15847e9-dev-ed.lightning.force.com/lightning/r/Enrollment_c/a01fj00000MtmQjAA/view)

The screenshot shows the Salesforce Lightning interface for an Enrollment record. The top navigation bar includes links for Students, Courses, Enrollments (selected), Attendances, Reports, and Dashboards. The main content area displays the details for an enrollment named "john Doe". The "Details" tab is selected, showing fields such as Enrollment Name (john Doe), Owner (Gawala Vyshnavi), Student (john Doe), Course (Python Programming), Status (Active), Enrollment Date (10/15/2025), and Created By (Gawala Vyshnavi). The last modified date is also listed as 10/17/2025, 8:41 PM.

[https://orgfarm-01a15847e9-dev-ed.lightning.force.com/lightning/r/Attendance\\_c/a04fj00000YcdxAAC/view](https://orgfarm-01a15847e9-dev-ed.lightning.force.com/lightning/r/Attendance_c/a04fj00000YcdxAAC/view)

The screenshot shows the Salesforce Lightning interface for an Attendance record. The top navigation bar includes links for Students, Courses, Enrollments, Attendances (selected), Reports, and Dashboards. The main content area displays the details for an attendance entry with ID 1. The "Details" tab is selected, showing fields such as Attendance ID (1), Owner (Gawala Vyshnavi), Student (john Doe), Course (Python Programming), Date (10/17/2025), Status (Present), and Enrollment (john Doe). The last modified date is also listed as 10/17/2025, 8:54 PM.

## **11. Conclusion**

The Salesforce Institute Management System is fully functional, tested, and ready for deployment. It streamlines administrative processes, automates attendance tracking, enforces robust security, and provides actionable insights through reports and dashboards. This project demonstrates the power of Salesforce in managing educational operations efficiently and securely.

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