

# EduConnect: Intelligent Student Success & Alumni Engagement Platform

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## Phase 6: User Interface Development

### Lightning App Builder & Custom Apps

#### Create Custom Lightning Apps

EduConnect Student Success App

Navigation: Setup → Apps → App Manager → New Lightning App

EduConnect Alumni Relations App

SETUP

Lightning Experience App Manager

New Lightning App

New External Client App

28 items • Sorted by App Name • Filtered by All appmenuitems - TabSet Type, App Type

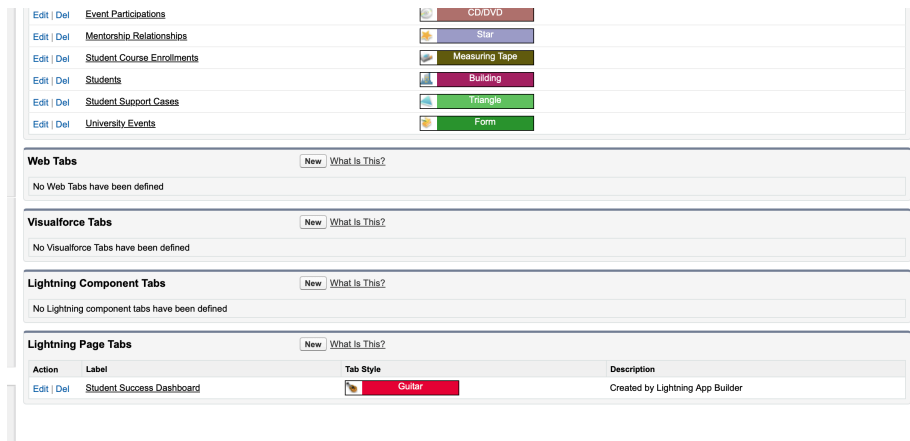
	App Name ↑	Developer Name	Description	Last Modified ...	App...	Vi...	
8	Content	Content	Salesforce CRM Content	9/10/2025, 1:23 PM	Classic	✓	
9	Data Cloud	Audience360	Build a thorough and complete understanding of your cus...	9/10/2025, 1:23 PM	Lightning	✓	
10	Data Manager	DataManager	Use Data Manager to view limits, monitor usage, and man...	9/10/2025, 1:23 PM	Lightning	✓	
11	Digital Experiences	SalesforceCMS	Manage content and media for all of your sites.	9/10/2025, 1:23 PM	Lightning	✓	
12	EduConnect Alumni Relation	EduConnect_Alumni_Relation		9/23/2025, 11:02 A...	Lightning	✓	
13	EduConnect Student Success	EduConnect_Student_Success	Comprehensive student success management for academ...	9/24/2025, 6:27 AM	Lightning	✓	

#### Custom Tabs Configuration

Student Tab Customization

Navigation: Setup → User Interface → Tabs → New

Alumni Tab Configuration



## Support Cases Tab

# Record Pages & Home Page Layouts

## Student Record Page Design

### Student Success Dashboard Record Page

Navigation: Setup → Object Manager → Student → Lightning Record Pages → New

Lightning Record Pages				
2 Items, Sorted by Label				
<a href="#">New</a> <a href="#">View Page Assignments</a>				
Label	ORG DEFAULT	APP DEFAULT	OTHER ASSIGNMENTS	MODIFIED BY
<a href="#">Student Record Page</a>		Desktop (1), Phone (1)		Putla Pope Nikolas, 9/23/2025, 11:17 AM
<a href="#">Student Success Dashboard</a>				Putla Pope Nikolas, 9/24/2025, 8:34 AM

## Page Layout Design:

### Header Section (Highlights Panel):

- Student photo and name
- Risk level indicator (Red/Yellow/Green badge)
- Current GPA with trend arrow
- Days since last advisor contact
- Quick action buttons: Create Case, Schedule Meeting, Send Email

### Main Content Layout (2-Column):

#### Left Column:

1. Risk Assessment Panel (Custom LWC Component)

- Risk score gauge visualization
- Key risk factors breakdown
- Intervention history timeline
- Quick intervention actions
- 2. Academic Progress Panel
  - Current semester course list with grades
  - GPA trend chart (last 4 semesters)
  - Credit progress toward graduation
  - Academic milestone tracker

Right Column:

1. Active Support Panel
  - Open support cases (filtered list view)
  - Recent advisor interactions
  - Scheduled appointments
  - Outstanding action items
2. Engagement Activities Panel
  - Recent event participations
  - Mentorship relationships status
  - Career application progress
  - Achievement badges

Related Lists Configuration:

- Course Enrollments (sorted by semester, show last 3 semesters)
- Support Cases (open cases first, then recent closed)
- Event Participations (recent first, limit 10)
- Mentorship Relationships (active first)
- Job Applications (recent first)

## Alumni Engagement Record Page

Alumni Engagement Dashboard

Header Section:

- Alumni photo and professional headshot
- Engagement score badge with trend
- Current company logo and position
- Last interaction date
- Quick actions: Update Profile, Schedule Call, Send Newsletter

Main Layout:

Left Column:

1. Professional Profile Panel
  - Current role and company details
  - Career progression timeline
  - Industry expertise tags
  - LinkedIn profile integration status
2. Engagement Metrics Panel (Custom LWC)
  - Engagement score breakdown

- Communication preferences
- Activity heat map (last 12 months)
- Volunteer interest areas

Right Column:

1. University Involvement Panel
  - Recent event participation history
  - Active mentorship relationships
  - Donation history summary (last 2 years)
  - Speaking engagements and contributions
2. Network Impact Panel
  - Students/alumni referred
  - Industry connections facilitated
  - Regional chapter involvement
  - Board/committee participation

## Home Page Layouts

### Academic Advisor Home Page

Navigation: Setup → Apps → App Manager → EduConnect Student Success → Edit → Home Page

Home Page Component Layout:

Top Row (Key Metrics Dashboard):

- At-Risk Students Count (Red alert if >15)
- Open Support Cases Requiring Action
- Students with No Contact >30 Days
- This Week's Scheduled Appointments

Second Row (Priority Actions):

- High-Priority Support Cases (table component)
- Students Requiring Immediate Attention (filtered list)
- Upcoming Graduation Candidates (this semester)
- Pending Advisor Tasks

Third Row (Resources & Tools):

- Quick Links: Intervention Resources, Academic Calendar, Grade Reports
- Department Announcements
- Training Resources and Policy Updates
- Student Success Analytics Summary

### Alumni Relations Home Page

Top Row (Engagement Overview):

- New Alumni This Month
- Upcoming Events & Registration Status
- VIP Alumni Requiring Follow-up

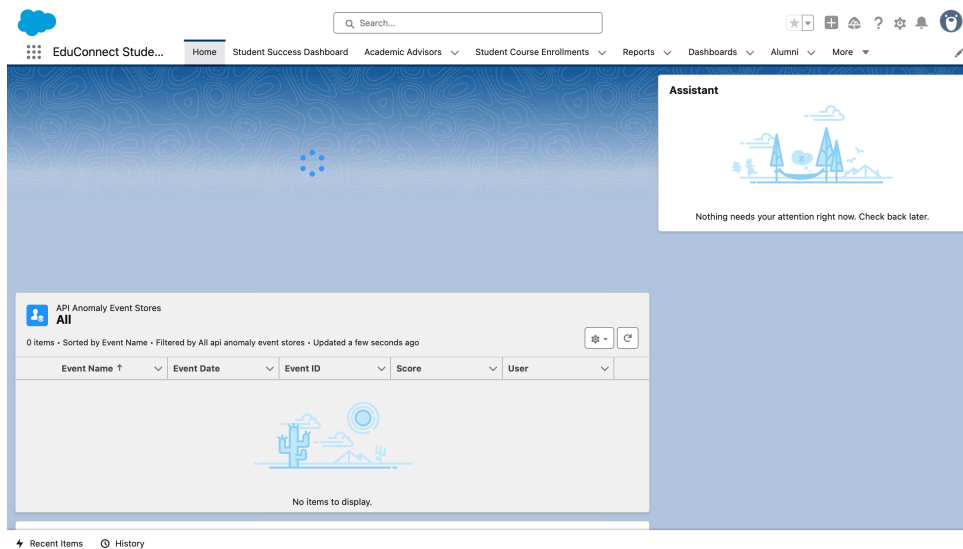
- Monthly Donation Activity Summary

Second Row (Active Campaigns):

- Recent Alumni Profile Updates (activity feed)
- Event Registration Trends Chart
- Pending Mentorship Matches
- Outstanding Engagement Tasks

Third Row (Campaign Management):

- Active Email Campaign Status
- Event Promotion Materials
- Alumni Success Stories Pipeline
- Regional Chapter Activity Updates



## Lightning Web Components (LWC)

Core LWC Components

Component 1: Student Risk Indicator

File Structure:

```
force-app/main/default/lwc/studentRiskIndicator/
├── studentRiskIndicator.html
├── studentRiskIndicator.js
├── studentRiskIndicator.css
└── studentRiskIndicator.js-meta.xml
```

Component 2: Alumni Engagement Tracker

## **Advanced LWC Features & Navigation**

- Wire Adapters & Apex Integration
- Wire Adapter Patterns
- Imperative Apex Calls

## **Navigation Service Implementation**

- Advanced Navigation Component

## **Component Communication & Events**

- Parent-Child Communication Pattern
- Parent Component (Dashboard):

## **Utility Bar Implementation**

- Custom Utility Bar Components
- Student Quick Search Utility:
- Academic Calendar Utility:

## **Testing & Deployment**

- Component Testing
- Jest Tests for LWC Components

## **Performance Optimization**

- LWC Performance Best Practices

## **Optimized Data Loading:**

- Integration & Final Testing
- End-to-End Component Integration
- Full Dashboard Integration Test:

- Performance Monitoring Setup
- Component Performance Tracking:

## **Deployment & Configuration Guide**

### Lightning App Deployment

#### Step 1: Deploy Components

#### Step 2: Configure App Assignments

1. Setup → Apps → App Manager
2. Edit each EduConnect app
3. Assign to appropriate user profiles
4. Set default apps for profiles

#### Step 3: Record Page Assignment

1. Lightning App Builder → Student Success Dashboard
2. Assign to Student object
3. Set as default for specific profiles
4. Activate the page

## **User Training Materials**

#### Administrator Guide:

- Lightning App Builder customization
- Component configuration options
- Performance monitoring setup
- User adoption tracking

#### End User Guide:

- Navigation between apps
- Using custom components
- Mobile responsiveness features
- Keyboard shortcuts and accessibility