

1. Context Object

1.1. User stakeholder

Context Object	Description	Role with the system
Student	Primary users of the system	<ul style="list-style-type: none">- View grades, attendance, and fee status- Receive SMS alerts (attendance warnings, billing reminders, academic summaries)
Lecturers	Content providers and users	<ul style="list-style-type: none">- Update grades and attendance- Send academic alerts to students and administrators
Administrators	System managers	<ul style="list-style-type: none">- Manage user roles, permissions, process service requests and user account
Parents	Secondary users	<ul style="list-style-type: none">- Receive SMS alerts- View selected student academic and billing details

1.2. System Stakeholders

Context Object	Description	Role with the system
University Management	Senior management	<ul style="list-style-type: none">- Set communication policies- Define user access policies- Approve system integration strategies

1.3. External System

Context Object	Description	Role with the system
Campus Management System (CMS)	Existing university system	<ul style="list-style-type: none">- Data source for academic records, attendance reports, and billing information- Handles core records
SMS Gateway	External communication service	<ul style="list-style-type: none">- Send SMS notifications to students and parents.

1.4. Internal

Component

Context Object	Description	Role with the system
Authentication Server	Handles user login, authentication, and role-based access control.	<ul style="list-style-type: none">- Authenticate users (students, lecturers, admins, parents) securely
Portal Web/Mobile Interface	Frontend system used by stakeholders.	<ul style="list-style-type: none">- Deliver user-specific dashboards, notifications, and academic information

Portal Database	Store data record	- Store portal-specific data, notification logs, user preferences securely
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2. Requirements Sources

2.1. Internal Stakeholders

Context Object	Description	Expected Information
University IT Department	Managing CMS and IT infrastructure.	- CMS API documentation - Authentication and security standards - System integration policies
Finance Department	Handle student billing and payments.	- Requirements for billing information visibility - Payment reminder policies

2.2. End Users

Context Object	Description	Expected Information
Student	Accessing academic, attendance, and billing information.	- Notification preferences - User interface expectations
Lecturers	Faculty members interacting with academic data.	- Communicating with students - Managing courses
Parents	Monitoring student progress and financial status.	- Expectations for accessing limited student data - Receiving updates about their children

2.3. Exited System and Documentation

Context Object	Description	Expected Information
SMS Gateway Provider	Third-party service provider for sending SMS	- SMS sending API - Data privacy - Communication standards - Reliability metrics
Campus Management System Documentation	Documentation for the university's CMS.	- Data structures - Current workflow - Data update procedures

2.4. Regulatory and Policy Sources

Context Object	Description	Expected Information
University Policies and Regulations	Guidelines on communication and data privacy.	- Data protection rules - Communication authorization requirements

