Context Object Document

For

UniComm

Group No.: 5 (TT4L)

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1 Context object

This context object outlines various data sources and stakeholder inputs relevant to our system.

Context object	Requirement Sources (Type)	Description
User context	User profile database (System)	Holds identity, role and contact details of the user.
Academic context	Academic records system (System)	Manages academic data like grades, attendance and courses.
Billing context	Billing system (System)	Tracks fees, payments and billing reminders.
Communication context	Messaging service provider (System)	Manages SMS content and delivery
Campus system context	Campus Management System API (System)	Acts as a bridge to access data from the existing Campus Management System.
Parent Questionnaire	Parent (Stakeholder)	Feedback from parents about communication, academic reporting, and portal usability
Student questionnaire	Student (Stakeholder)	Responses collected from students regarding their academic and service experience
Admin questionnaire	Admin (Stakeholder)	Admin responses on system performance, data accuracy, and user management issues
Lecturer questionnaire	Lecturer (Stakeholder)	Response from lecturers on portal tools, academic record-keeping, and communication systems
Student handbook	Student Handbook PDF (Document)	Holds rules, policies, and procedures relevant to students.
Exam regulations	Examination Guidelines Document (Document)	Includes rules and procedures for exam conduct and grading.

1.1 User Context

Users	Field
All users students, lecturers, admins	User_id, role,name,email,phone_number

1.2 Academic Context

Users	Field
students, lecturers	attendance,grade, course_List

1.3 Billing Context

Users	Field
students, admins	balance,payment_date

1.4 Communication Context

Users	Field
All users students, lecturers, admins, parents	pending_message, receipient_list,delivery_status

1.5 Campus Context Context

Users	Field
System Integration Modules	student_record, course_management, user_authentication

1.6 Parent Questionnaire Context

Users	Field

Parents	communication_feedback, academic_reporting_feedback, portal_usability_rating

1.7 Student Questionnaire Context

Users	Field
Students	service_experience_rating, academic_support_feedback, portal_navigation_feedback

1.8 Admin Questionnaire Context

Users	Field
Admins	system_performance_rating, data_accuracy_feedback, user_management_issues

1.9 Lecturer Questionnaire Context

Users	Field
Lecturers	portal_tool_feedback, academic_recordkeeping_feedback, communication_system_feedback

1.10 Student Handbook Context

Users	Field
Students, Lecturers, Admins	rules, policies, procedures

1.11 Exam Regulations Context

Users	Field
Students, Lecturers, Admins	exam_conduct_rules, grading_procedures, exam_schedule

2 System Context Facet

Facet	Description	Examples
Subject Facet	User who are using the system	Students: - Check attendance, academic performance and SMS alerts Parents: - Receive SMS notifications about academic performance, fees and attendance Lectures: - Input grades and attendance data University Administrators: - Manage student data and billing
Usage Facet	Function of the system	Viewing Academic Records: - Students and parents can monitor academic performance Receiving Notifications: - SMS alerts are sent for low attendance, fee reminders and performance summaries Administrative Services: - Students can access and manage billing Data Synchronization: Real-time integration with the Campus Management System

IT System Facet	System that supported by our system	Campus Management System (CMS): - Central repository for student academic, attendance and billing data SMS Gateway: - Third-party service to deliver SMS alerts to users Authentication System: - Handles login and role-based access control Database Systems: - Store user information, academic data and communication records.