1. Context Object
   1. User stakeholder

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| Context Object | Description | Role with the system |
| Student | Primary users of the system | - View grades, attendance, and fee status  - Receive SMS alerts (attendance warnings, billing reminders, academic summaries) |
| Lecturers | Content providers and users | - Update grades and attendance  - Send academic alerts to students and administrators |
| Administrators | System managers | - Manage user roles, permissions, process service requests and user account |
| Parents | Secondary users | - Receive SMS alerts  - View selected student academic and billing details |

* 1. System Stakeholders

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| Context Object | Description | Role with the system |
| University Management | Senior management | - Set communication policies  - Define user access policies  - Approve system integration strategies |

* 1. External System

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| Context Object | Description | Role with the system |
| Campus Management System (CMS) | Existing university system | - Data source for academic records, attendance reports, and billing information  - Handles core records |
| SMS Gateway | External communication service | - Send SMS notifications to students and parents. |

* 1. Internal Component

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| Context Object | Description | Role with the system |
| Authentication Server | Handles user login, authentication, and role-based access control. | - Authenticate users (students, lecturers, admins, parents) securely |
| Portal Web/Mobile Interface | Frontend system used by stakeholders. | - Deliver user-specific dashboards, notifications, and academic information |
| Portal Database | Store data record | - Store portal-specific data, notification logs, user preferences securely |

1. Requirements Sources
   1. Internal Stakeholders

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| 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 |

* 1. End Users

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| 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 |

* 1. Exited System and Documentation

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| 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 |

* 1. Regulatory and Policy Sources

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