

Software Requirements Specification (SRS) for CampusOppurtuna

1. Introduction

1.1 Purpose of this Document

This Software Requirements Specification (SRS) document delineates the functional and non-functional prerequisites for the development of CampusOppurtuna, an online platform designed to facilitate scholarship, internship, and event registrations and detailed information management for students.

1.2 Scope of this Document

This document focuses on the core functionalities of CampusOppurtuna, including user registration, scholarship/internship/event listings, registration processes, and detailed information management. It excludes specific hardware requirements, network infrastructure details, and user interface design specifications, which will be detailed separately.

1.3 Overview

CampusOppurtuna aims to provide students with a centralized platform to explore and apply for scholarships, internships, and events. It will streamline the registration process and provide comprehensive information about each opportunity, enhancing accessibility and efficiency for students.

1.4 Business Context

CampusOppurtuna will serve students seeking scholarships, internships, and event participation opportunities. It will be implemented by educational institutions, organizations offering scholarships/internships, and event organizers aiming to reach a wider student audience.

2. General Description

2.1 Product Functions

- User registration and login
- Scholarship listing with detailed information
- Internship listing with detailed information
- Event listing with detailed information
- Registration process for scholarships, internships, and events
- Profile management for users
- Notification system for updates on registered opportunities

2.2 Similar System Information

Existing online platforms offering scholarship, internship, and event listings can be referenced for understanding functionalities and user experience best practices.

2.3 User Characteristics

CampusOppurtuna is intended for students at educational institutions seeking scholarships, internships, and event participation opportunities.

2.4 User Problem Statement

Students face challenges in discovering and applying for scholarships, internships, and events due to scattered information sources and cumbersome registration processes.

2.5 User Objectives

Students expect CampusOppurtuna to provide:

- Easy access to comprehensive listings of scholarships, internships, and events
- Simplified registration processes for various opportunities
- Detailed information about each opportunity to make informed decisions

2.6 General Constraints

- Compliance with relevant regulations and privacy laws
- Integration with educational institutions' systems for student authentication and verification
- Scalability to accommodate increasing user and opportunity volumes

3. Functional Requirements

3.1 User Management:

- User registration with necessary details
- Secure login process with password encryption
- Profile management for users

3.2 Opportunity Management:

- Listing of scholarships, internships, and events
- Detailed information display for each opportunity
- Search and filter functionality for easy navigation

3.3 Registration Process:

- Registration process for scholarships, internships, and events
- Confirmation notification upon successful registration

3.4 Notification System:

- System-generated email and/or SMS notifications for updates on registered opportunities

4. Interface Requirements

4.1 User Interfaces

- Web-based user interface accessible via standard web browsers
- Intuitive and user-friendly design with clear navigation

4.2 Software Interfaces

- Integration with educational institutions' systems for student authentication and verification
- Integration with email and SMS services for notification delivery

5. Performance Requirements

- Fast response times for user interactions
- Scalability to handle concurrent user registrations without performance degradation

6. Other Non-Functional Attributes

6.1 Security

- Secure authentication and authorization mechanisms
- Data encryption for protecting user information

6.2 Reliability

- High system availability with minimal downtime
- Regular data backups to prevent data loss

6.3 Maintainability

- Well-documented code for easy maintenance and updates
- Regular system updates to address vulnerabilities and improve performance

6.4 Usability

- Clear instructions and error messages to assist users during the registration process
- Accessibility features for users with disabilities

