Software Requirements Specification SRS
for
CMS - Campus Management System

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Chapter 1

Introduction

1.1 Purpose

This document is a software requirement specification (SRS) for the CMS - Campus Management System project. This is the initial draft for the SRS and it will be used for the extensions. This document aims to specify the complete description of the CMS - Campus Management System. The purpose of this application is to help the university students to manage their timetables and have all to-do(s) in one place. This application can also be used for getting helps from nearby uni mates and vice versa.

1.2 Intended Audience

The intended audience for this project are the students of any university.

1.3 Intended Use

The application will be used for all kind of reminder in one place. Students who are busy and want to track their schedule in an easy way, they will use this application. They also can use this app for other purposes as well. Such as, they can use it for emergency alerts, knowing grade prediction or target, getting attentive in class, traffic alert and so on.

1.4 Product Scope

The purpose of this project is to create a campus management system application. The project will focus on making the student life easier and handy. It will also focus on using maps to make the transportation system easier for users. It will bring profit by monetizing the latest chapters and from ad revenue.

1.5 Risk Definition

If the application somehow is not working or cannot get the Google maps data correctly, then the students may miss their classes or exams. Because they will get dependent on the application.

Chapter 2

Overall Description

2.1 User Classes and Characteristics

This application will be used by the university students mainly. Primary users are the students, secondary users are the faculty members.

2.2 User Needs

Students need the classes ,exams, traffic, marks uploads, club meetings, and emergency remainders. They also need to calculate their CGPA and GPA by adding the marks.

2.3 Operating Environment

This application will operate on android and ios devices.

2.4 Constraints

The system will require network access and GPS track. The system will need the running apps data to disable them.

2.5 Assumptions

Lets assume that the user will always enable the location and mobile data to get the accurate notifications at time. Assume that the plan/class cancel notification will be uploaded on the university website.

Chapter 3

Requirements

3.1 Functional Requirements

The application must send notification at least 6-7hrs before about all the activities.
The application must give a predicted notification for getting ready at a specific time by computing the class time and traffic in the road.
The application must send the emergency alert based on the location.
The application must send the blood donation request post to the donors based on the location.

3.2 Non Functional Requirements

The application will be able to calculate the grades separately for separate courses.
The application will be able to disable the gaming apps during the lecture time.
The application will be able to replace the printed timetable.