

Proposal

Medicollab

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Software Engineering course project

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Preface

This is a proposal for the Medicollab project for partial fulfillment of the requirements of a Software Engineering course (CSC431) project in the department of Computer Science at the University of Miami.

This proposal provides the scope and context of the project to be undertaken. It details the intended user group and the value that the system will have to them.

The intended audience of this document is the course professor and teaching assistants so that they can determine whether the project should be approved as proposed, approved with modifications, or not approved.

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1.0 Overview

1.1. *Purpose, Scope and Objectives*

The purpose of this project is to provide a collaborative platform to medical students and professors. The intended audience of this project will be medical students and professors. It will be functional in medical colleges. By using 'Medicollab', the students can search for their respective professors and can add them to their list. A student will send a request to the professor. The professor can accept or reject the student request. The professor can assign different tasks or assignments to students. Moreover, the students can view their pending assignments, the grades of their completed assignments, and a schedule of their classes.

The "Medicollab" will be an android and Iphone based application. To create 'Medicollab', we will use Java as a backend programming language, XML as a frontend language, and SQL as a database. The purpose of this project is to provide the medical students a complete platform where they can see all their assignments, grades and collaborate with teachers. The students can save a lot of their time by managing all the things in one application and there is no need to use multiple other third-party social media applications.

1.2. *Project description*

The "Medicollab" application will have the following features:

- Sign up
 - The students and teachers (professors) will enter the appropriate data in all the required fields. The sign up data will be stored in the database. We will write the sign up program.
- Log in
 - The students and teachers will provide the credentials detail on the login page to successfully log in and use the application. We will write the login program.
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- See the list of professors
 - The students will see the list of all the available professors. We will write the program.
- Send a request to a professor
 - The student will send a request to the professor. We will write the program.
- Accept the student request
 - The professor can accept the student request and the student will be added to the professor's list of students. We will write the program.
- Decline the student request
 - The professor can decline or reject the student request. We will write the program.
- View all students

- The professor can view the list of all students. We will write the program to view the list of all students.
- View pending assignments
 - The students can view the list of all pending assignments. We will write the program to view the list of pending assignments.
- View completed assignments
 - The students can view the list of all completed assignments along with the grades. We will write the program to view the list of completed assignments.
- Edit profile
 - The students and professors can edit the details i.e. name, password. We will write the program.
- See classes schedule
 - The students can see the schedule of all the classes. We will write the program.
- Set class schedule
 - The professor can set the timing or schedule of the class. We will write the program.
- Logout
 - The students and professors will logout from the application. We will write the program for logout.