Software Requirements Specification

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Version 1

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Revision History

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| --- | --- | --- | --- |
| Version | Date | Name | Description |
| 1 | 16/7/2019 | Atharva Pradhan | Initial Document |
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# Introduction

## Overview

The My College app will be a mobile application available to android user. The app will provide access to all sorts of notices with easy navigation that are displayed on the college website in one click. The app will allow the users to download the particular notices and view them on the go. It is not only for the students but for the Professors too. Professors can upload notices on the app from anywhere anytime which will be also reflected on the website.

This document provides information on the requirements for the MyCollege software application. Project goals, scope and definitions are given in the introduction. Design constraints and application environment are described in the following section. Non-functional requirements are outlined for later verification. Functional requirements are given to show the system features and expected user interaction.

Project constraints will be included in separate documentation. The Software Project Management Plan will give specifics on project budget and schedule. A separate Test Plan document will address test specifications and procedures.

## Goals and Objectives

The main objective of this project is to provide ease to students while accessing their college notices and save time. The MyCollege app is expected to:

* Provide a user-friendly interface to access their account and view notices.
* Function in simple and initiative manner.

## Scope

The MyCollege app will provide students and Professors the ability to access and upload notices from the mobile device using android platform.

## Definitions

**MyCollege app :** the product that is being described here is the actual software system that is specified in this document.

**Project** – activities that will lead to the production of the MyCollege app.

**Client** – the person or organization for which this MyCollege app is being build.

**User** – the person or persons who will actually interact with the MyCollege app.

# Functional Requirements

## Required Features

### Use Case 1

#### Description: User Login

Role Player – any account holder of MyCollege app.

Normal Scenario

* Applications opens, user clicks the app drawer and opens menus and clicks on Login Button.
* System redirects to Login Activity.
* Systems prompts user to enter his Email-Id and Password.
* User enters correct Email-Id and Password and clicks Login.
* System displays user profile and notices of his college.
* User exits the application.
* System Exits.

Alternate Scenario

* Applications opens, user clicks the app drawer and opens menus and clicks on Login Button.
* System redirects to Login Activity.
* Systems prompts user to enter his Email-Id and Password.
* User enters in-correct Email-Id and Password and clicks Login.
* System prompts wrong Email-Id/Password.
* User might try to login again returning to step 1 or exit.
* System Exits.

#### Description: User Registration

Role Player – any person from college who want to create account on MyCollege app.

Normal Scenario

* Applications opens, user clicks the app drawer and opens menus and clicks on Login Button and finds Register button.
* User select his college from the list of college available.
* User enters his details and clicks on proceed button.
* System validates his data from the data base provided by college.
* Entered data matches the college data, system sends a confirmation link to his Email-Id.
* Once the confirmation is done users account is created.
* User might end session.
* System Exits.

Alternate Scenario

* Applications opens, user clicks the app drawer and opens menus and clicks on Login Button and finds Register button.
* User select his college from the list of college available.
* User enters his details and clicks on proceed button.
* System validates his data from the data base provided by college.
* Entered data does not matches the college data.
* System prompts message “Please check your details”.
* User might try to Register again returning to step 1 or exit.
* System Exits.

### Use Case 2

#### Description: Where to find all sorts of notices

Role Player – any account holder of MyCollege app.

* Registered User opens the app, by default he gets his profile displayed.
* User open navigation drawer and finds all types of notices
* E.g.: - Notice Board, Time-Table, Results.
* User selects any options from the above, further he finds various tabs containing notices in sorted/filtered format.
* User might continue or exit.

#### Description: How to upload notices

Role Player – Registered account holder of MyCollege app who is a Professor in his/her institution.

* User opens the app; in his profile activity a button is visible named “Upload Notices”.
* User clicks on the button, the button re-directs the user to another activity.
* There the user selects the file that he wants to upload.
* Once the file is selected a column named tags appear, the user is allowed to select only one tag.
* On selecting the respective tag and clicking proceed the file is stored to the server and is then filtered according to its tag and made visible to the fragment(tab).
* Session Ends.

#### Description: How to remove uploaded notices

Role Player – Registered account holder of MyCollege app who is a Professor in his/her institution.

* User opens the app; in his profile activity a button is visible named “Remove Notices”.
* User clicks on the button, the button re-directs the user to another activity.
* Here user needs to filter the notices according to tags, then the user needs to find the notice manually and select it.
* After selecting the Notice, the user needs to click on remove button.
* On clicking the remove button, the selected notice is removed from is tab.
* Sessions end.

## Optional Functions

### Use Case 1

#### Description: Formal text/Image message notice to entire institution

Role Player – Registered account holder of MyCollege app.

* User clicks on Message icon on the toolbar.
* A page opens up, user can view all the messages that are being passed on by the institution
* If user is Professor, he gets a text field and a proceed button to broadcast message to entire institution.

# Non-Functional Requirements

## Operational Requirements

Usability: 95% of users will not need to read the user manual to be able to use the application.

## Performance Requirement

Maintainability: Changes made to the College website can be adopted without altering the Android application.

## User Manual

A user guide and system documentation will be provided to project stakeholders on installation of app.

## User Interface

The user interface will be eye-catching and visually appealing. When users access their MyCollege app, the interface will provide a smooth transition and ease in use which is would be missing on the websites when accessed through mobile.

The interface will be intuitive. As a mobile app it will be streamlined and simple to use. No training will be provided and it is expected that 95% of users will be able to use the app without any training.