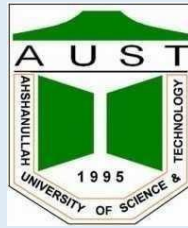


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# UNI BUDDY

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# ABSTRACT

The "UNI BUDDY" project is a Notes management application for storing and maintaining semester notes of different students. This mobile application will be built in Android Studio and will be developed in kotlin and the database will be managed by Firebase.

This software primarily focuses on maintaining, viewing, saving, and storing the notes of a student to make life easier. As well as some unique features such as user login and administrative access. After completing a signup form new users can sign in easily. For administrative permission, one must submit proper info and get permission from the super admin. One will be able to register using the university id and password. It has also a facility where a student will be getting updates on the official university notifications and will be able to calculate their CGPA. After logging into their account they can see the list of the semester, notes, routines, and GPA calculator. In addition, the student will be able to see the teacher list and scholarship criteria, and tuition fee from another section.

A user will be able to update his or her account information. Visit their profile search for specific notes, and question, and get an insight view about any course. An admin will update the links to information and barrier to the login criteria for better privacy of the student. An admin can update links remove students and do subtle changes to each section. Users can request or suggest the admin add more resources.

Overall, the primary goal of this project is to provide a hassle-free semester preparation for users as well as to save their time looking for notes and questions here and there. It will be a valuable asset while taking preparation for the final

# **INTRODUCTION**

## **1.1 Overview**

The "UNI BUDDY" project is a notes management application for storing and saving university notes. This software primarily focuses on the notes and questions a student needs to take proper preparation for their semester final as well as getting updates from the university.

## **1.2 Purpose**

Reliable documentation is always a must-needed thing for a well-structured project. The presence of documentation helps to keep track of all aspects of an application, and it improves the quality of a software product.

The main goal of this project is to provide a friendly environment for the students to maintain the preparation time of the semester in the best way possible while also human efforts. It can assist administrators in managing links or notes more effectively and efficiently.

### **1.2.1 Background Study**

The application is developed for automating the searching of notes, and questions, getting news, and calculating CGPA. The application will be a great relief to the backbencher who's been chilling the whole semester but wants to ace the finals and also to the nerd who's trying to score 102% in the final. So won't it be helpful for the person who's looking to do average? yes, calculate and analyze your results even before the exams and ace the exam according to that plan!

## 1.2.2 Benefits and Beneficiaries

Users are the main beneficiaries of this system. But all the people related to our Project area are also beneficiaries. Benefits are given below;

### **Add Notes/Members.**

Users can register an ID in this application. And for this, they need to give their name, e-mail, and phone number. Admin can add notes and before adding any new notes a unique id will be taken. In this way, every note will have its own identity which will help the user to find notes easily.

### **Editing/deleting members or notes.**

Only the Superadmin can edit or delete any member or note if any of that kind of situation arises.

### **Settings and Links.**

Admin can change the links of the given notes and questions. Besides, the admin can see the status of the links.

### **New Notes Notification.**

The most interesting feature of this application is the new notes notification. If any user wants to add new notes or request new notes the admin will get a notification for that

## 1.2.3 Goals of the Project

This system gives the basic functionality required for a student. It allows the admin to organize. The admin can modify notes and questions. There will also be an option to see the requested books. This system is developed for all kinds of universities and they will be able to modify it for their own.

## 1.3 Find out Stakeholders

A stakeholder is a person or organization that has rights, shares, claims, or interests concerning the system or its properties meeting their needs and expectations. To put it more simply, the interests of stakeholders have some influence on the project, so their opinion should always be taken into account. If we do not do this and overlook one of the key stakeholders, we can ruin the whole project and it will be much more expensive than just letting a development bug in the project. Stakeholders provide opportunities and limitations for the system and are the source of requirements. In this Library Management System, There are two (1) stakeholders;

- University students

# Software Requirement Specification

## 2.1 Software Platform:

- The project will be developed using kotlin
- The IDE used in developing is Android Studio
- And most importantly, relating to databases using firebase

## 2.2 Identification of functional requirements

### User Login:

After proper validation, a user can log in to the system and do basic features of a library like a search, or request new notes. The user can also view and edit his profile and to change a password the old password should be given. The user cannot access administrative features.

### Administrative Login:

An admin can log into the system by providing the username and password correctly only. An admin can visit the administration view. The admin will have the ability to :

1. add new links
2. entry notes details
3. edit question data
4. Set Student information
5. Edit Student login information

### **Add Members:**

The admin will be able to add new rules for members of an institution by himself. The new member will have a user name, phone number, email address, and ID. After successful addition, the user can log in as a regular user.

### **Edit/Delete Members:**

The Superadmin will be able to modify the information of any member and delete the member also if anyone breaks the rules.

### **Members List:**

The admin will be able to see the number of users active and their details here.

### **View updates:**

On the homepage, the users will be able to see updated information about their universities like routines, pieces of news, and scholarship details.

### **Add Notes:**

This is an admin-only feature. The admin will enter the note details properly and add them to the database. There will be a unique id for every note with that the note will have the author's name and published semester name which needs to be entered. The admin can also edit the information of a note and if necessary a note can be deleted also.

### **Notelist:**

Here the admin and the user will be allowed to see the notes list. A note can also be searched by both of them using by-

1. Title
2. Author Name
3. Published semester

The admin can also delete books from here.

### **Scan notes:**

Here both user and admin can scan a note and update them into the database but if a user updates a note it needs to be verified by the admin. There is no such requirement for the admin

### **Settings**

The admin/user can change his/her username or password in the settings and also determine the due dates

### **Calculator**

Here the user can calculate their cgpa for a semester and get prepared ahead.

### **Request Notification**

If a user needs a note he can send the request to the admin then the admin will take a step to solve the matter.

## **Advantages of this software:**

- This application helps to keep track of all the notes of a semester the student will be able to find them easily
- By using this application, the process of calculating cgpa gets almost effortless.
- The news update helps to be aware of the current status of the university and also help to be aware of the coming events
- The suggestion section will help to get suggestions from the seniors which will help the juniors ace the exam.
- No hard copy of books and notes is required which will be cost-efficient.
- Notifying the
- This software is easy to use and it reduces human efforts greatly.

Thus this software makes the whole process of notes management much more facile than the traditional system



## Identifier and priority for software requirements

The Priority Table:

<u>No</u>	<u>Features</u>	<u>Priority</u>
1.	Login (user & admin)	High
2.	Set user rules	High
3.	User List	High
4.	Add Notes	High
5.	Scan notes	High
7.	Get updated	High
8.	Cgpa Calculator	High
9.	Request notification	High
10.	Notes list	High
11.	Settings	High
12.	Editing/ Delete Member	Medium
13.	Routines	Low
14.	Scholarship criteria	Low