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1. Introduction

The note-sharing platform is a collaborative application created to connect students across Nepal. It offers a simple way for students to share and access academic notes. Users can upload their notes, which then become part of a shared library that everyone can explore. This approach brings together students from various schools and colleges, making it easier to find useful study materials. By tapping into the collective knowledge of students nationwide, the platform aims to enrich learning and support academic achievement.

A key feature of the platform is the role of the admin, who ensures that the content remains high-quality and relevant. The admin carefully reviews each uploaded note, with the authority to approve, reject, or suggest improvements. This process helps maintain a trustworthy and valuable collection of notes, so students can rely on the platform for accurate and helpful resources. The admin's oversight is crucial in keeping the platform well-organized and useful for all users. Overall, making study materials easily accessible and ensuring their quality, the platform not only aids individual academic success but also builds a stronger sense of community among students across Nepal.

2. Problem Statement

There are already note-taking platforms out there, but many of them come with a few issues that can take away from the experience. Below are some of there problems Noteshare solves:

1. **No Centralized System:** There is no system where old notes are available to share. It can be a slog to find the specific study materials you were looking for.

2. **Trouble handling Content:** A few sites fail to manage the documents accompanied with clutter, and thus makes it hard for consumers.

3. **No Admin Control:** If an admin is not on casual notes and user management will be neglected bringing the utility of the platform down.

4. **Terrible Support System:** Getting help from the support network may be too slow, or sometimes with an inexpert worker that they might not know what to do.

3. Objectives

The main objective of an Noteshare is :

1. Develop a User-Friendly Tool: Allow users to search and distribute notes quickly.

2. Quality Control: Review the notes before they are posted by an admin to make certain only applicable, and honest uploads get on tore station

3. Clean: Keeps everything in place so that users can find anything they are looking for without any hassle.

4. Immediate Support: Immediate help whenever end-users face problems, ensuring they never feel alone

5. Accessibility: Ensure users can have their notes wherever they go, it should not be locked down anywhere.

4. Methodology

4.1. Requirement Identification

4.1.1. Study of existing system

Our research on current note-sharing platforms revealed some key differences. We noticed that notes options, flexibility, and quality control vary a lot. Some platforms don't have well-organized notes or consistent quality, while others focus on specific features but don't offer much interaction. Our project aims to fill these gaps by focusing on offering thorough materials, wider scope, interactive features, well-structured sharing paths, and strong quality control.

- **Bca Nepal**

    BCA Nepal specialized focus ensures that BCA students can access in-depth and relevant study materials, such as notes, lab reports, and project guidelines, which are closely aligned with their coursework. However, the platform's limited scope means that those studying other IT-related disciplines, such as BSc.CSIT or BIT, may not find the resources they need, prompting them to seek alternative educational platforms that cater to a broader range of computer science courses.[1]

- **Kaliaba**

  Kailaba is a platform primarily focused on providing educational resources for students, particularly those pursuing engineering studies. However, the platform seems to concentrate on engineering studies and the UI is not user-friendly or visually appealing, which could hinder the overall user-experience.[2]

- **Study Notes Nepal**

  Study Notes Nepalis an educational platform tailored to students in Nepal, offering a variety of study materials, notes, and resources across multiple academic disciplines, including Management, Science, and IT. However, while Study Notes Nepal offers a broad range of resources, its content may not be as comprehensive or in-depth as some students might require for more advanced studies. [3]

4.1.2. Literature Review

The idea behind Noteshare comes from noticing how the way we access educational resources is changing, with more people needing to share digital content. Whether it's for online learning or for students and professionals who want study materials on the go, there's a growing need for platforms that make sharing easy. Digital collaboration is becoming more important in education because working together online helps people learn better by sharing knowledge and resources. Studies show that students learn more effectively and remember things longer when they work together. Noteshare is designed to be a platform that supports both sharing notes and interacting with others. It also makes managing digital content easier. A study in the International Journal of Educational Technology found that well-managed digital content on a platform greatly improves how much users engage and how satisfied they are. That's why Noteshare's strong admin system, which ensures only high-quality content is available, is key to keeping users engaged and happy.

4.1.3. Requirement Analysis

- **Functional Requirements**

➢ The system must allow users to sign up and log in.

➢ Users can effortlessly upload, download, and share notes.

➢ Admins can have the power to handle users and say yes or no to shared notes with marks.

➢ Users should get notices for account and notes changes, new note puts up and other key things.

- **Non Functional Requirements**

➢ System accessible online at all times for global access.

➢ User data protected with encryption for security and trustworthiness.

➢ Simple intuitive interface for ease navigation and interaction.

➢ Data being backed up so that even after the system gets down it can be retrieve.

➢ Maintenance cost of the system not being expensive.

- **Sofware Requirements**

Software Configurations :

➢ Operating System : Windows / Linux / Mac

➢ Technology : HTML, CSS, JS, PHP

➢ Server : Xampp

Hardware Configurations :

➢ Pentium IV Processor

➢ 2 GB Ram

➢ 512 GB HDD

➢ 1024 X 768 Resolution Color Monitor

4.2. Feasibility Study

4.2.1. Technical Feasibility

In terms of our project, Technical Feasibility will be built using modern web technologies like HTML, CSS and JavaScript as well as the PHP. The system is technically feasible These tools are well established, and can support the requisite functionality.

4.2.2. Operational Feasibility

The system should be available at any web browser in desktop and mobile format. That means that the system is usable for both users and operation.It aligns perfectly with our needs, providing accessible and convenient material while ensuring a flexible and enjoyable learning experience for students.

4.2.3. Economic Feasibility

We have conducted a thorough analysis of the project's finances, which will help to measure if the proposed system is Feasible or not, to develop that system by the proper calculation and estimation of cost, and its future possible incomes. In our case, excepting the cost of the internet, there are no other costs to develop our system. So, this project has no economic barriers. In our case, excepting the cost of the internet, there are no other costs to develop our system. So, this project has no economic barriers.

4.3. High Level Design of System

This shows the high-level design of Noteshare will expose what all are parts and how users can use it. It includes user registration, notes creation and management, admin control and support.

4.3.1. System Flowchart

This will display how the data is flowing in our system. To illustrate this, symbols are used. They are connected together to show what happens to data and where it goes.
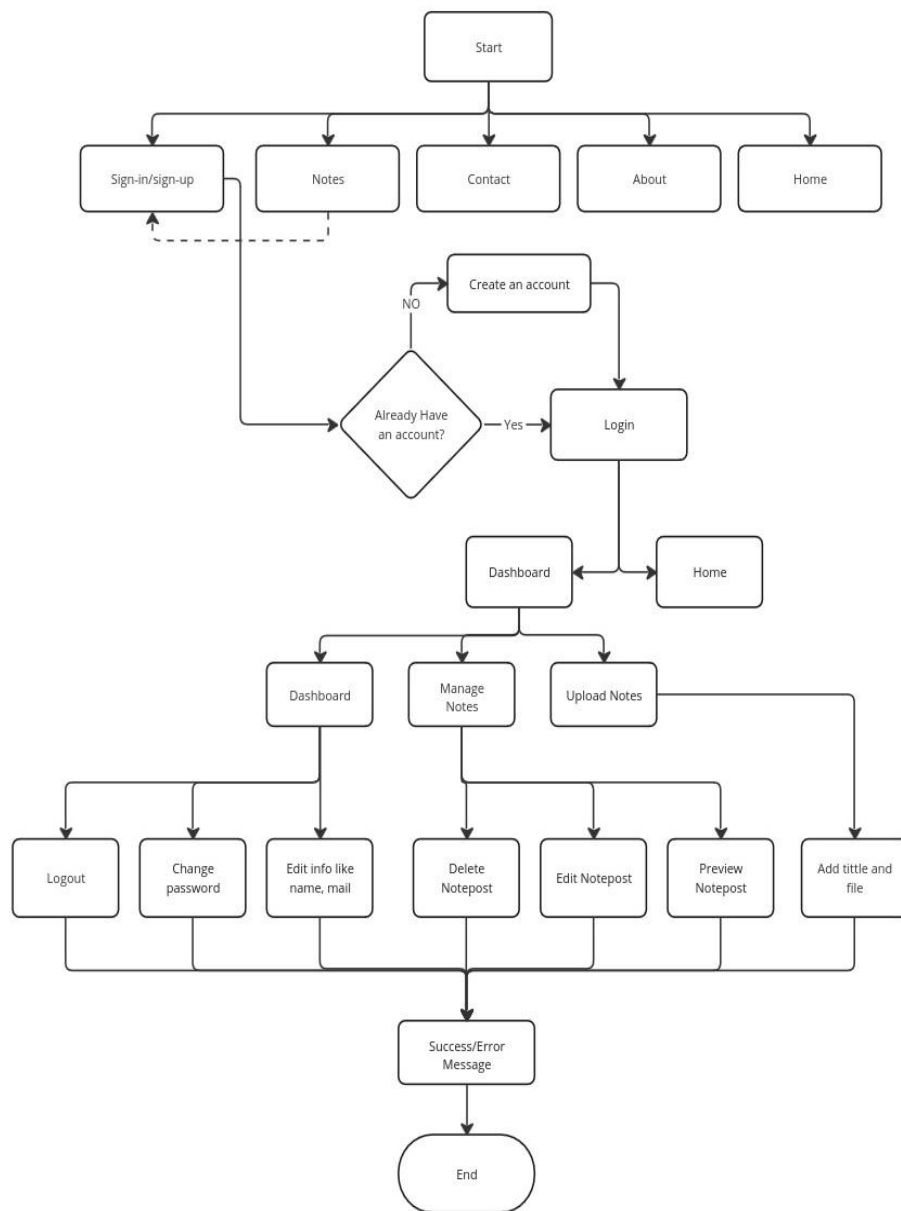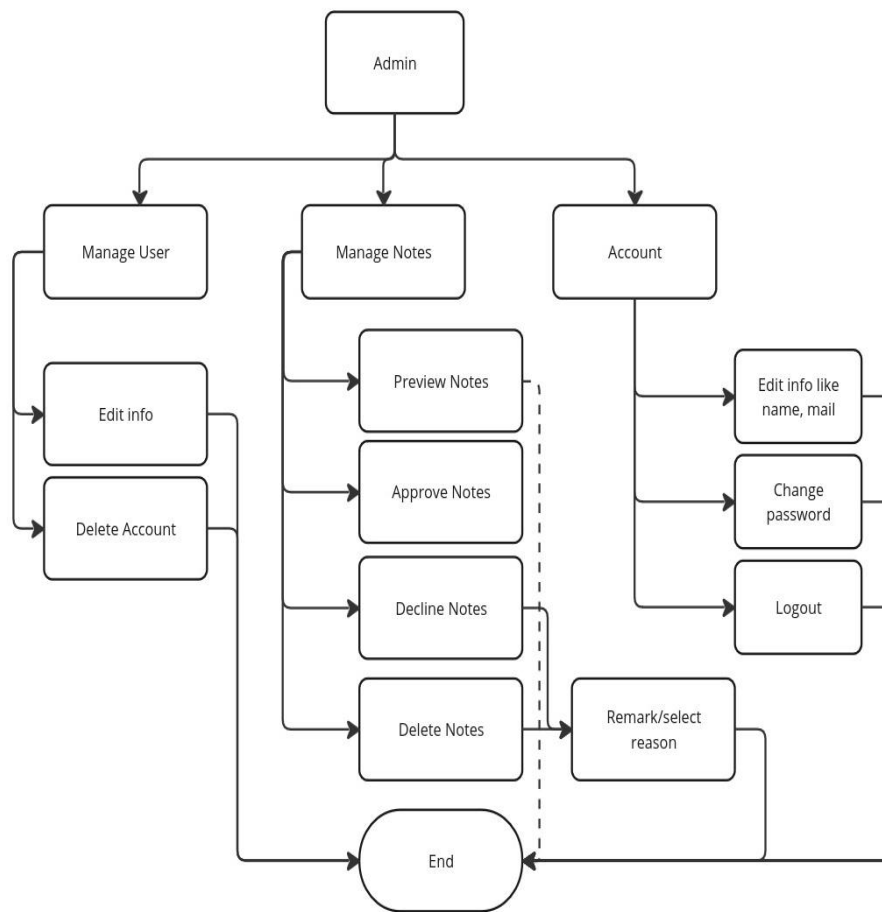
Figure 1: Flowchart for user

Figure 2: Flowchart for admin

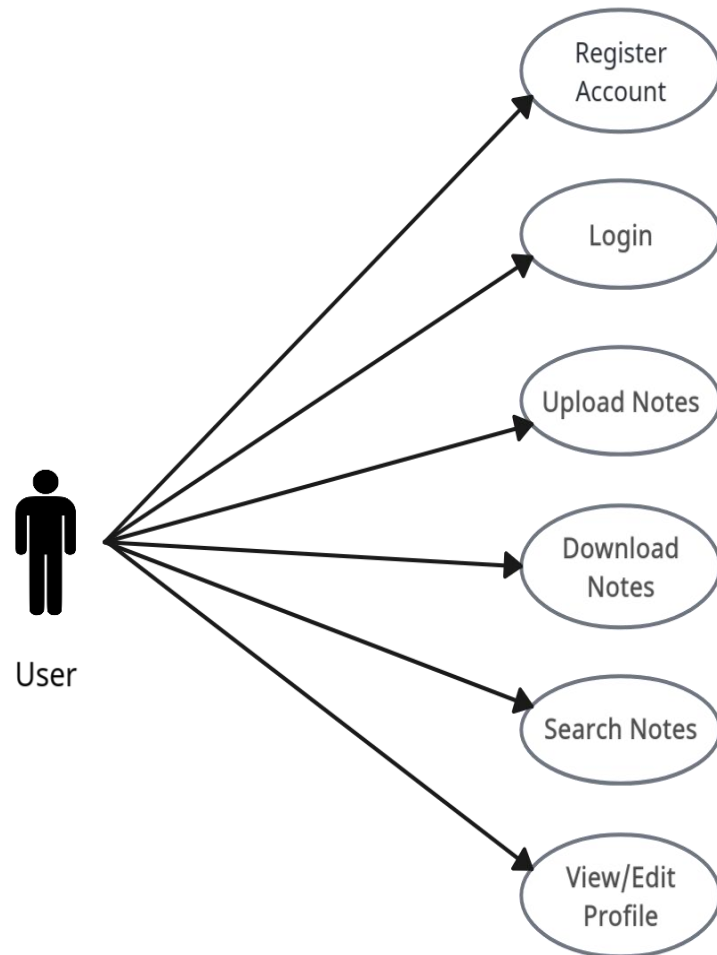### 4.3.2. Use Case Diagram

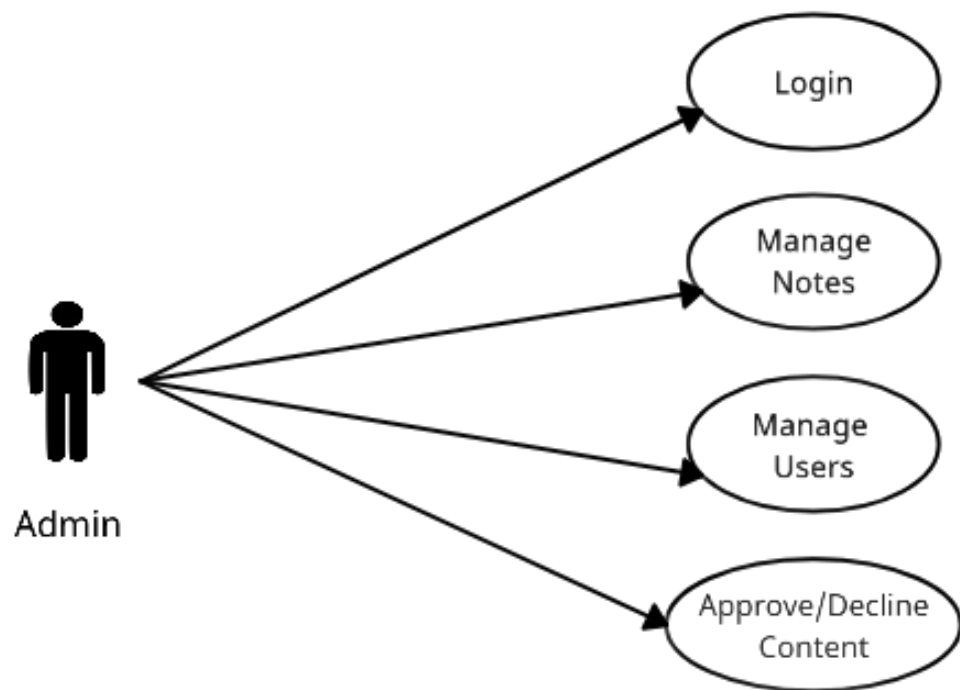*Figure 3: Use case diagram for users*

Figure 4: Use case diagram for admin

4.3.3. Software Development Mode

The waterfall model is a traditional way of developing software. It follows a step-by-step approach, where each step depends on the completion of the previous one. It's called "waterfall" because the progress moves steadily downwards, like a waterfall. [4]
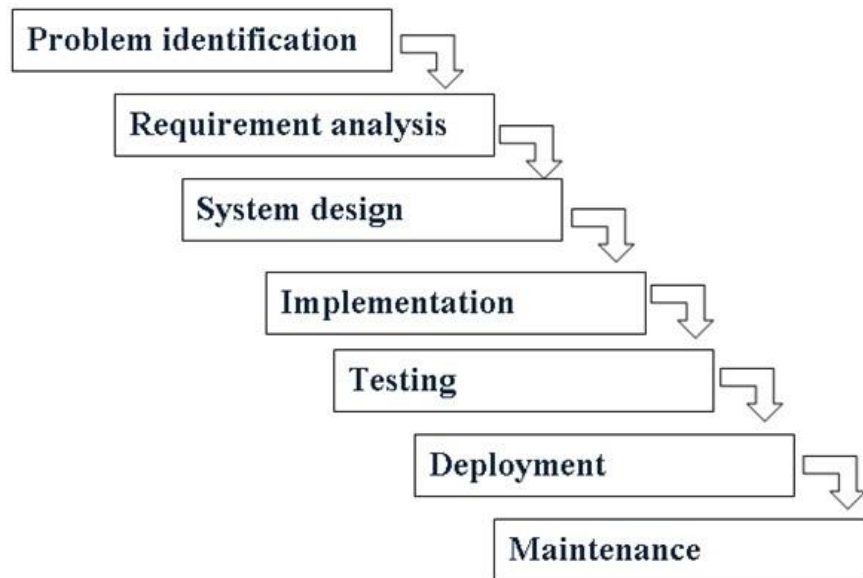

Figure 5: Waterfall Model

- **Problem Identification:** Define and understand the problem to be solved.
- **Requirement Analysis:** Gather and analyze the requirements for the solution.
- **System Design:** Create a blueprint or design for the system based on the requirements.
- **Implementation:** Develop and code the system as per the design.
- **Testing:** Verify and validate that the system meets the requirements and is free of defects.
- **Deployment:** Release the system to the users.
- **Maintenance:** Continuously monitor, update, and fix the system as needed.

5. Gantt Chart

Table : Gantt Chart

Process	No. of Weeks									
	1	2	3	4	5	6	7	8	9	10
Requirement Gathering	▓									
Planning		▓								
Designing			▓							
Implementation				▓	▓	▓	▓	▓		
Testing and debugging									▓	
Documentation			▓	▓	▓	▓	▓	▓	▓	▓

6. Expected Outcome

Noteshare is meant to be a system where users can find notes simply, upload or download. Focusing on what information is in the notes, users can expect helpful recommendations when looking for and trying to dig up relevant knowledge as they browse through notes & libraries..We believe our tool will become a central hub for students and professionals looking for trustworthy materials to study.

The proposed system will likewise have a few highlights like:

- The new system will provide editing of data records.
- The system will provide all sorts of educational material for students.
- The system will offer collaborative workspaces where users can manage notes together in a safe online space.

7. References /Citation

[1] BCA Nepal, [Online].
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    Available: https://www.tutorialspoint.com/sdlc/sdlc_waterfall_model.htm
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