

# SEM IV – Mini Project

## Document Management Portal for Students

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# Introduction

Technology is a powerful tool that has changed how teachers teach and how students learn. It has provided people with access to education and access to different ways of communicating and working together.

File management is the process of administering a system that correctly handles digital data. Therefore, an effective file management system improves the overall function of a business workflow. It also organizes important data and provides a searchable database for quick retrieval.

In addition, support for more mobile technology and cloud based storage are making it possible to take on more data in less time, and without being tied to a desk. All of these factors have made it possible for businesses large and small to begin managing data more effectively and efficiently.

# PROBLEM STATEMENT

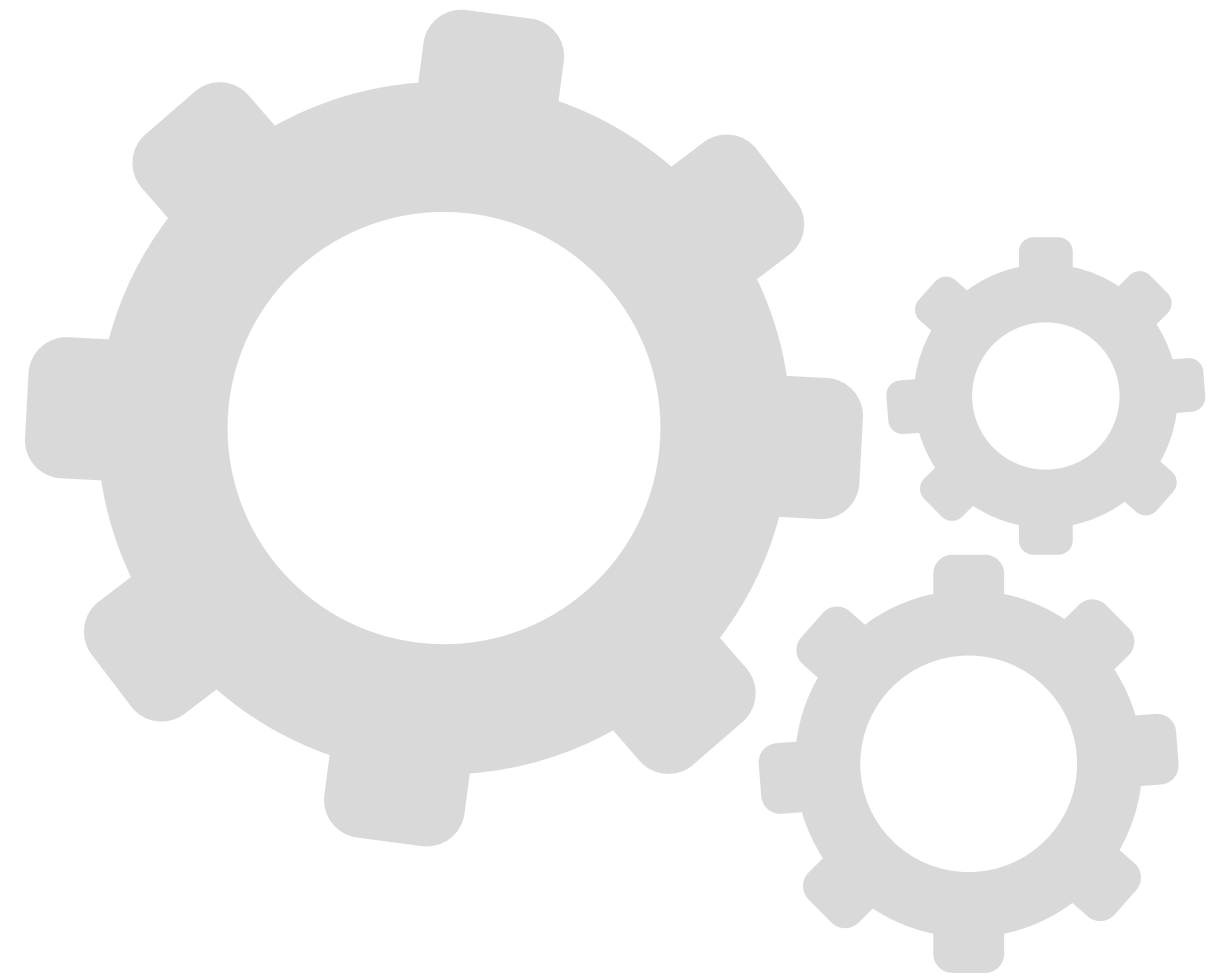


- Main motive of this project is to create a well-structured document management system to help students to store all the essential and important documents.
- User can signup to our website, login via valid credentials, then he can select the files from his device and from that he can upload the documents accordingly.
- Users can have access to the saved documents anytime, anywhere through our site using their credentials.

# System Requirements

(Recommended Specifications)

- **Operating System – Windows 10 / Mac OS X**
- **CPU – Intel Core i5-4400E**
- **Memory – 8GBb RAM**
- **GPU – AMD Radeon R7 A10-7850K**
- **File Size – 3gb**



# Literature Survey

In day-to-day activities, we have been experiencing students are using plastic files and plastic handlers to store set of important documents to ensure their safety for future perspective. This have been useful for some extent, but this can have a risk of leak of information or misplacement of document which can lead to a lot of problem. But on the other side, if we can make use of the technology and can store all the documents and files under a secured network, which will have a proper secured password through which our documents cannot be accessed by others. Through this, a student can access all the documents anytime and from anywhere. Sharing of files would also be much easier using a sharable link.

# Literature Review

Title of Research Paper	Author and Year of Publication	Observation and Remark
Document Management System	Amale Vedika Ravindra & Gauthami V Kulkarni Year – 2020–21	This research paper proposes an online site that stores the file documents of a certain company or organisation. This system has two types of users- Administrator and the Normal user. The work focuses on storing as well as managing the documents in the database as BLOB type.
Document Management System	Greeshma P Cochin University of Science & Technology Year – April 2011	This research paper proposes a software for managing files by providing a web solution for them. Document Management System is an efficient, time saving and easy way to report, view and control the version of a file. Also manages Archive files describing their changes in histories and editing.
Document Management System	Pasco Hernando Community College Year February 2003	This research paper proposes an online site to allow the users to scan and index documents and import electronic reports. Functions that can be performed are scanning, indexing. It takes less time to check the daily accounting.

# Proposed System

## 1.Login

User will login using valid credentials.

## 2.Upload/View Document

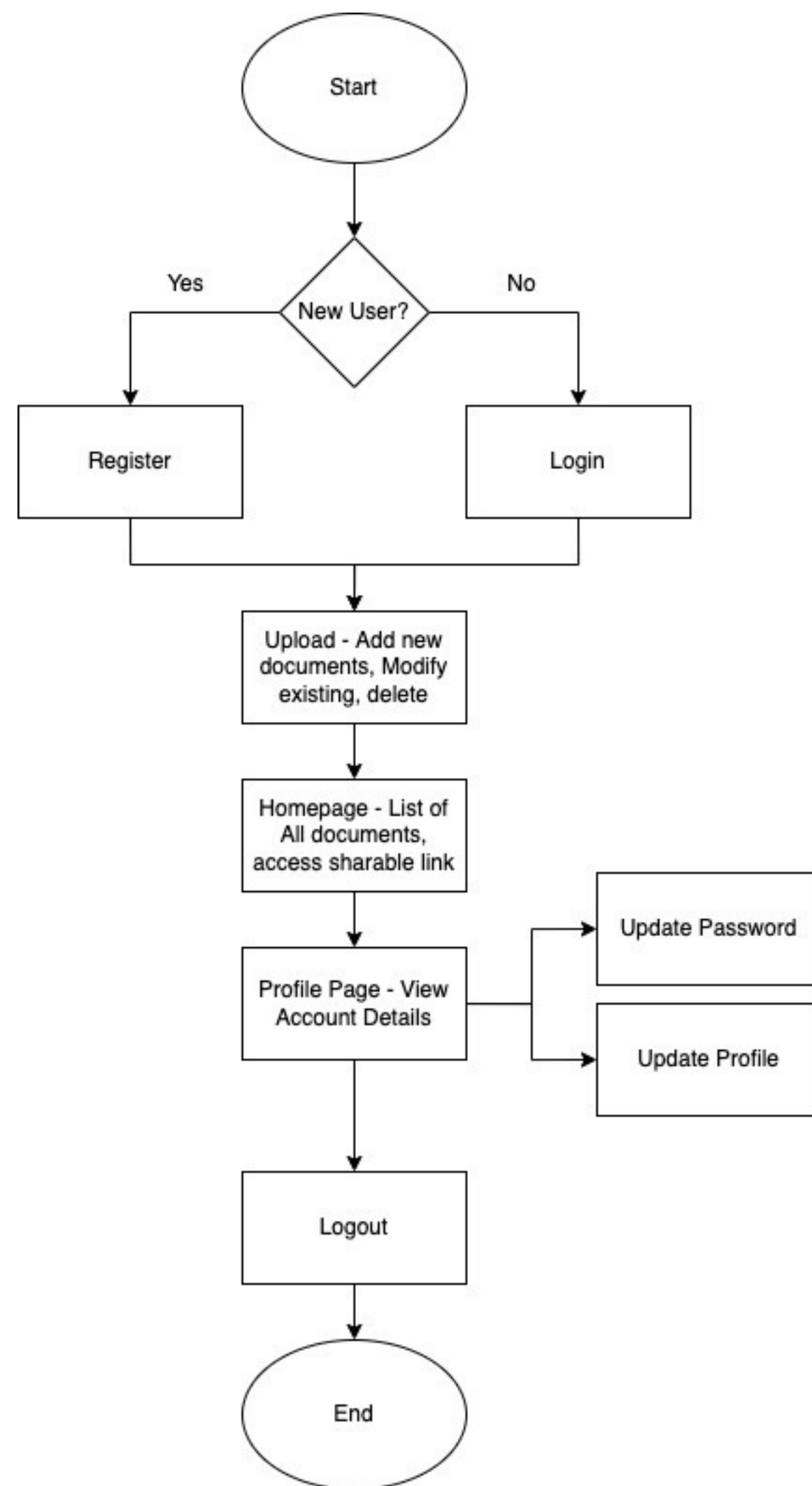
User can upload documents and can view those files whenever they want.

## 3. Update Profile

User can update his account password and profile details.

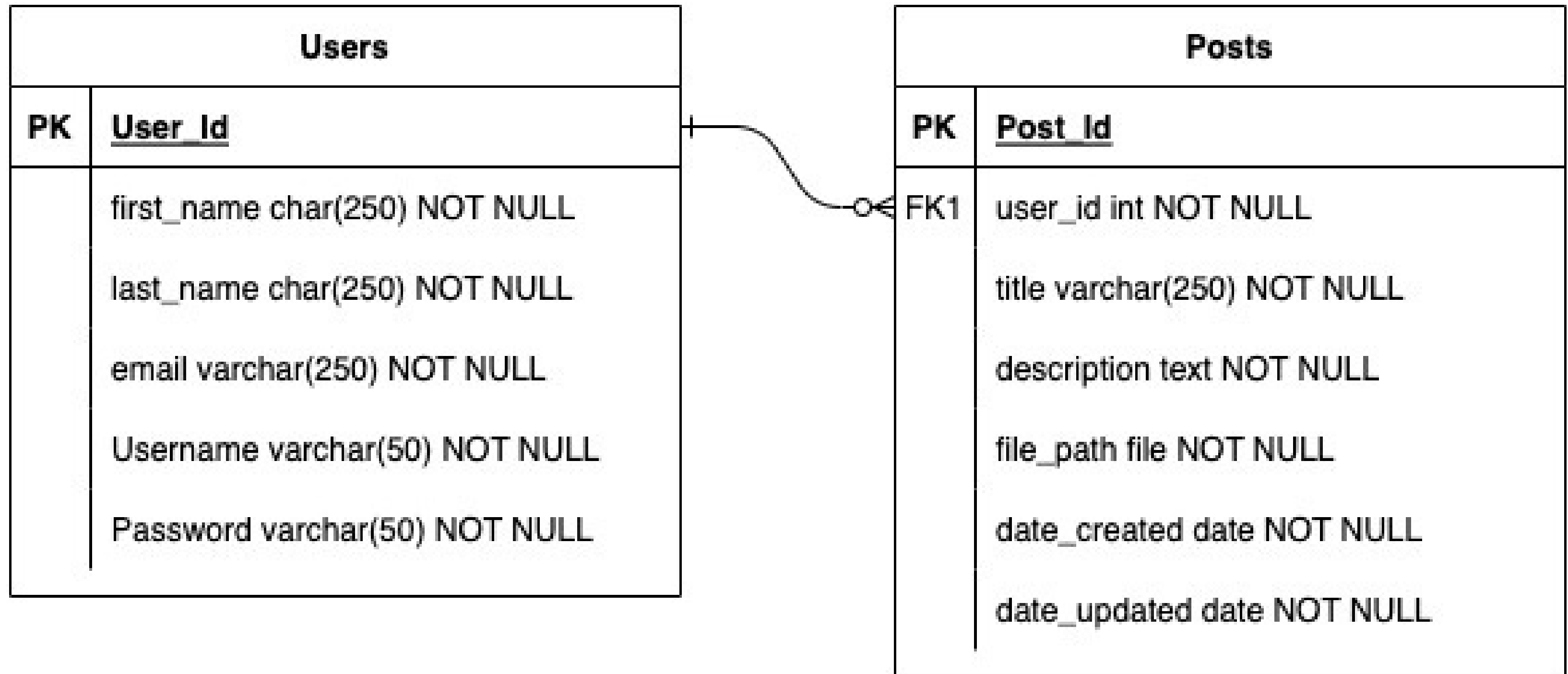
## 4.Loginout

After uploading and saving the files, the user can logout from the portal.





# ER Diagram



# Technologies Used – Frontend

## HTML

The HyperText Markup Language or HTML is the standard markup language for documents designed to be displayed in a web browser.

## BOOTSTRAP 5

Bootstrap is a free and open-source CSS framework directed at responsive, mobile-first front-end web development. It contains HTML, CSS and JavaScript-based design templates for typography, forms, buttons, navigation, and other interface components.

## CSS

Cascading Style Sheets is a style sheet language used for describing the presentation of a document written in a markup language such as HTML.

## JAVASCRIPT

JavaScript is a scripting language that enables you to create dynamically updating content, control multimedia, animate images etc.

# Technologies Used – Backend

## Django Framework

Django is a Python-based free and open-source web framework that follows the model–template–views architectural pattern.

## SQLite3

SQLite is a database engine written in the C language. It is not a standalone app; rather, it is a library that software developers embed in their apps. As such, it belongs to the family of embedded databases.

# Bridge Course Outcomes

From this project, we learnt a lot about web development and its working. We came to know about the Django Framework.

Django is a free open source Python framework. We got to learn many important concepts about backend development.

Django is widely used for backend development since developers can create complex, secure and scalable apps quickly.

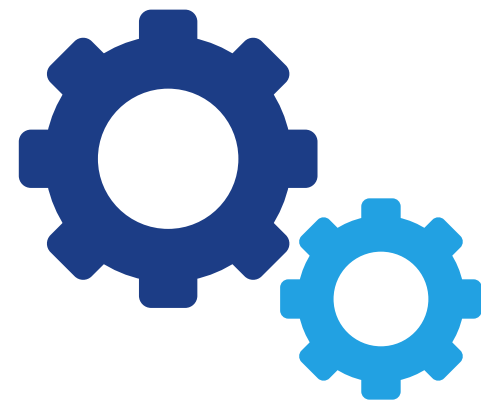
By using Django, we got to know about URL Mapping, Modules & Packages, Form Validations, Decorators, Relational Models, Database Migrations and Queries, and Object Oriented Programming.

# FUTURE SCOPE

→ Notes Creation



→ Interface Improvements



→ Cloud Storage Access



→ Collaboration Option



# Conclusion & Results

→ Our Document management system help to store documents in a systematic manner.

→ Students can store their marksheets from previous years as well as their past performance and achievements.

→ A sharable link can be useful among the students to share documents.

→ Using Login and Authentication, a secured website makes sure the data is safe.

# Acknowledgement

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Thank you! 😊