PRECIOUS NOTES

A PROJECT REPORT
for
Mini Project-I (K24MCA18P)
Session (2024-25)

Submitted by

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Submitted in partial fulfilment of the
Requirements for the Degree of

MASTER OF COMPUTER APPLICATION

Under the Supervision of
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Submitted to

DEPARTMENT OF COMPUTER APPLICATIONS
KIET Group of Institutions, Ghaziabad
Uttar Pradesh-201206

(DECEMBER- 2024)

CERTIFICATE

Certified that **Vikas Singh- 2426MCA317** has/ have carried out the project work having "**Precious Notes**" (**Mini Project-I, K24MCA18P**) for **Master of Computer Application** from Dr. A.P.J. Abdul Kalam Technical University (AKTU) (formerly UPTU), Lucknow under my supervision. The project report embodies original work, and studies are carried out by the student himself/herself and the contents of the project report do not form the basis for the award of any other degree to the candidate or to anybody else from this or any other University/Institution.

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Precious Notes

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ABSTRACT

Precious Note is an innovative digital solution designed to revolutionize the way users capture, organize, and access their essential information. In a world where effective note management plays a crucial role in both personal and professional productivity, this application offers a seamless and user-centric interface for recording notes, categorizing them, and retrieving them effortlessly. With its robust features, including cloud synchronization, advanced search capabilities, and real-time collaboration, Precious Note ensures that users never lose track of their ideas or tasks.

Built using modern technologies and adhering to best practices in software design, the application emphasizes security, scalability, and efficiency. It caters to a diverse audience, ranging from students and professionals to organizations looking for streamlined communication and documentation tools. By integrating with third-party services and offering multi-platform compatibility, Precious Note aligns itself with the dynamic needs of today's users.

This abstract highlights the core purpose and features of Precious Note, emphasizing its role in improving productivity and information management. Its intuitive design and advanced capabilities make it an indispensable tool for individuals and teams striving to stay organized and efficient in an increasingly fast-paced world.

Keywords: Note Management, Productivity, Cloud Synchronization, Real-Time Collaboration, Information Security

ACKNOWLEDGEMENTS

Success in life is never attained single-handedly. My deepest gratitude goes to my project supervisor, **Ms. Divya Singhal** for her guidance, help, and encouragement throughout my project work. Their enlightening ideas, comments, and suggestions.

Words are not enough to express my gratitude to Dr. Arun Kumar Tripathi, Professor and Dean, Department of Computer Applications, for his insightful comments and administrative help on various occasions.

Fortunately, I have many understanding friends, who have helped me a lot on many critical conditions.

Finally, my sincere thanks go to my family members and all those who have directly and indirectly provided me with moral support and other kind of help. Without their support, completion of this work would not have been possible in time. They keep my life filled with enjoyment and happiness.

Vikas Singh

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Introduction

1.1 Overview

1.1.1 Background of Precious Notes

Precious Notes is a revolutionary AI-powered note-taking and image generation application tailored for modern users who require more than just a basic note-taking tool. It offers a comprehensive set of features designed to enhance productivity and creativity, while maintaininga focus on data security and privacy. All data is securely stored within the user's local storage, encrypted to ensure that even developers or external organizations cannot access the notes. This makes Precious Notes a unique, privacy-centric solution for individuals who value control over their personal information.

The app provides users with the ability to create and organize notes effortlessly, offering advanced capabilities that extend far beyond traditional note-taking. It leverages AI to generate both notes and images, making the process faster and more intuitive. Users can also upload images, annotate them, and integrate them seamlessly into their notes. In addition, the built-in drawing tool allows for the creation of diagrams, sketches, and illustrations, which can be savedand downloaded directly from the app. This feature is ideal for professionals and students who need visual aids in their work.

Furthermore, Precious Notes includes a robust suite of text formatting and designing tools, enabling users to customize and structure their notes to suit their preferences. Whether it's for personal use, professional work, or educational purposes, the application provides the flexibility and power to manage ideas efficiently.

By merging note-taking, design, and AI capabilities, Precious Notes empowers users to manage, create, and visualize their ideas in innovative ways, making it the perfect tool for professionals, students, and creatives alike.

1.1.2 Purpose and Objectives

The purpose of Precious Notes is to provide users with a versatile, intuitive, and secure platform for managing their notes. The objectives include:

- **Ensuring Data Privacy:** By utilizing robust encryption techniques and local storage, the app ensures users have complete control over their data.
- **Enhancing Productivity:** With AI-powered tools for generating content, users can streamline their workflows, making the app invaluable for both personal and professional tasks.
- **Supporting Creativity:** Precious Notes offers tools for sketching, drawing, and integrating multimedia elements, catering to creative professionals and educators alike.
- **Aligning with the Quality Education SDG:** The app actively contributes to Sustainable Development Goal (SDG) 4 by facilitating knowledge sharing and management in secure and user-friendly ways.

1.2 Scope

Precious Notes is designed to cater to a broad spectrum of users, including students, educators, professionals, and creatives. Its capabilities span a wide range of use cases, from organizing academic notes to brainstorming business ideas and managing personal projects. The inclusion of offline functionality ensures that the app remains accessible even in environments with limited internet connectivity. This inclusivity makes Precious Notes a practical solution for users across diverse geographic and resource settings, supporting productivity and creativity without compromise.

1.3 Significance

The app's integration of AI and privacy-focused design addresses key challenges in the digital note-taking landscape. Traditional apps often compromise user privacy by relying on cloud storage, exposing sensitive data to potential breaches. Precious Notes mitigates these risks by encrypting data and storing it locally, providing unmatched security and peace of mind for its users.

Moreover, the app's advanced features, such as drawing tools and multimedia integration, foster productivity and creativity. These elements ensure Precious Notes is not only a functional tool but also an empowering resource for individuals and organizations alike, making it indispensable in today's fast-paced and data-conscious world.

1.4 Methodology Overview

The development process for Precious Notes follows a systematic and iterative approach to ensure the final product aligns with user needs and industry standards. Key steps include:

1. **Problem Identification:** Recognizing gaps in existing note-taking solutions, such as privacy concerns and limited functionality.
2. **Requirement Analysis:** Defining user needs and technical specifications to create a comprehensive development plan.
3. **Design:** Creating intuitive UI/UX prototypes and backend architecture for a seamless user experience.
4. **Development:** Building the app using technologies like React.js, Node.js, and AI frameworks to implement core features.
5. **Testing and Validation:** Conducting rigorous tests to ensure functionality, security, and performance meet user expectations.
6. **Deployment and Maintenance:** Launching the app and providing ongoing updates based on user feedback to ensure sustained usability and satisfaction.

1.5 Limitations

Despite its robust features, Precious Notes has certain limitations:

- **Device Dependency:** The reliance on local storage means that data is tied to the user's device, potentially limiting accessibility if the hardware fails.
- **Performance Variations:** The app's performance may vary depending on the user's device specifications, which could impact the experience on older or less capable hardware.
- **Scalability Challenges:** While local storage enhances privacy, it may pose challenges for users who need to synchronize data across multiple devices without relying on the cloud.

1.6 Project Overview:

Precious Notes is an innovative AI-powered application that aims to address the challenges of modern note-taking by providing users with a secure, flexible, and feature-rich platform. The traditional methods of note-taking, whether manual or digital, often fall short in terms of efficiency, organization, and data security. Many existing note-taking applications store user data in cloud servers, raising concerns about data privacy and control. The research for this project focuses on developing a solution that not only simplifies the process of taking and managing notes but also ensures that users have complete control over their data.

The primary motivation behind this research is to explore how AI technologies can be applied to enhance note-taking by automating content generation (through AI-based notes and images), and how a user-centric approach, like storing data locally with encryption, can improve privacy.

Furthermore, this research investigates the integration of various tools—such as text formatting, image annotation, and drawing features—that make note-taking more versatile and adaptable to different user needs. By combining these elements, the research aims to create a highly functional, secure, and intuitive application.

Chapter 2

Feasibility Study

Introduction

Precious Note is a digital platform designed to enable users to create, manage, and securely store their personal or professional notes. The application aims to provide a seamless user experience with features like categorization, search functionality, and data encryption to ensure privacy.

This feasibility study evaluates the project's technical, operational, economic, and legal feasibility to determine its viability.

2.1 Evolution of Note-Taking Applications

The evolution of note-taking applications has seen significant advancements over the years. Traditional tools like Evernote and OneNote pioneered digital note-taking by offering features such as cloud synchronization and cross-platform compatibility. However, their reliance on centralized cloud storage raised concerns about data security and privacy. As these concerns grew, so did the demand for privacy-centric solutions. Applications like Precious Notes emerged to address these challenges, focusing on local storage and encryption as core features.

2.2 AI in Note-Taking

The integration of AI in note-taking applications represents a transformative shift in how users interact with their notes. Applications like Notion and Roam Research have demonstrated the potential of AI to optimize content organization and management. Precious Notes builds on this trend by incorporating AI capabilities for text and image generation, enabling users to create content more efficiently. This feature is particularly beneficial for professionals and educators who require advanced tools to streamline their workflows. With AI, users can enhance their productivity while minimizing effort.

2.3 Privacy-Centric Note-Taking Solutions

Growing awareness of data privacy has spurred the development of note-taking apps that prioritize security. Apps like Obsidian have gained popularity for their commitment to local storage and user data protection. Precious Notes takes this a step further by implementing end-

to-end encryption, ensuring that all user data remains secure and inaccessible to external parties. By combining privacy with functionality, Precious Notes meets the needs of a tech-savvy and privacy-conscious user base.

2.4 User Experience and Advanced Features

Modern users demand more than basic note-taking functionality. Precious Notes addresses this demand with:

- **Drawing Tools:** Supporting brainstorming and creative sketching.
- **Multimedia Integration:** Enabling users to embed images, videos, and audio within their notes for a richer experience.
- **AI-Powered Content Generation:** Enhancing productivity by automating text and image creation tasks. These features position Precious Notes as a versatile tool for professionals, students, and creatives, making it an essential addition to their digital toolkit.

2.5 Technological Landscape

Precious Notes leverages state-of-the-art technologies to deliver an unparalleled user experience. The technological stack includes:

- **React.js:** For building a dynamic, responsive frontend.
- **Node.js:** For managing backend processes and ensuring seamless data flow.
- **AI Frameworks:** For advanced features like text and image generation.
- **Encryption Libraries:** To ensure robust data security. This combination of technologies ensures that Precious Notes is scalable, efficient, and capable of meeting diverse user needs.

Chapter 3

Project Objective

3.1 Key Objectives

1. **Privacy Focus:** Develop a secure note-taking application with local storage and encryption to safeguard user data.
2. **AI-Driven Features:** Implement advanced AI tools for text and image generation, enhancing user productivity.
3. **Advanced Tools:** Incorporate features like drawing tools and multimedia integration to support diverse use cases.
4. **Educational Support:** Align the application's design and functionality with the Quality Education SDG, promoting secure and effective knowledge management.

3.2 Project Objectives:

1. **To Develop a Secure Note-Taking Application:** One of the core objectives of the research is to build a note-taking application where user data is stored in local storage, fully encrypted, preventing any unauthorized access, including from developers and external organizations. This ensures a high level of security and user privacy.
2. **To Implement AI for Content Generation:** The research explores the use of AI to generate both text-based notes and visual content, such as images. The objective is to make note-taking faster, more efficient, and intuitive, while reducing the cognitive load on the user
3. **To Enhance User Productivity through Feature Integration:** Another key objective is to integrate a wide range of tools, including text formatting, design features, image annotation, and a built-in drawing tool. These features are aimed at improving user productivity and providing flexibility in the way users create, organize, and visualize their notes.

4. **To Align with the Quality Education SDG Goal:** The project also aims to support the United Nations' Sustainable Development Goal (SDG) of Quality Education by offering a solution that facilitates efficient knowledge creation, management, and dissemination. By equipping users with advanced note-taking tools, the project contributes to making education and learning more accessible and effective.

Through these objectives, the project aims to create an AI-powered application that meets the modern needs of students, professionals, and creatives while ensuring the highest standards of security and usability.

Chapter 4

Hardware and Software Requirements

4.1 Hardware Requirements

- **User System:** Minimum requirements include a dual-core processor, 4 GB RAM, 500 MB free disk space, and a 1280x720 resolution display.
- **Development System:** Recommended specifications include a quad-core processor, 8 GB RAM, and 50 GB storage for efficient development and testing.

The Precious Notes application is designed to run on a wide range of hardware configurations, making it accessible for various types of users. However, certain hardware requirements ensure optimal performance:

1. Client-Side (User System):

- **Processor:** A minimum of a dual-core processor (Intel i3 or AMD equivalent) isrequired for basic functionality, while higher performance systems (Intel i5 or above) are recommended for handling AI-powered features efficiently.
- **Memory (RAM):** At least 4 GB of RAM is needed to run the application smoothly, with 8 GB or more recommended for users who work with largevolumes of notes, images, or AI-generated content.
- **Storage:** Precious Notes stores all data locally on the user's device. Therefore, aminimum of 500 MB of free disk space is necessary, though users working withextensive multimedia content may require more storage.
- **Display:** A minimum resolution of 1280 x 720 pixels is recommended for the bestuser interface experience.

2. Server-Side (For Development and Deployment):

- **Processor:** Quad-core processor or higher for fast rendering and developmentprocesses.
- **Memory (RAM):** A minimum of 8 GB of RAM is recommended to supportefficient development and testing environments.

- **Storage:** At least 50 GB of storage space to manage application development,testing, and version control.

4.2 Software Requirements

- **Client-Side:** Platform-independent, compatible with Windows, macOS, and Linux. Requires a modern browser like Chrome or Firefox.
- **Development Stack:** React.js for the frontend, Node.js for the backend, JavaScript encryption libraries for security, and AI frameworks for advanced features.

1. Client-Side Software:

- **Operating System:** The application is platform-independent and can run onWindows, macOS, or Linux-based systems.
- **Browser:** A modern browser such as Google Chrome, Mozilla Firefox, Microsoft Edge, or Safari is required, as Precious Notes is a web-based application.
- **Internet Connection:** Although Precious Notes stores data locally, an internetconnection is required for initial setup and updates.

2. Development Environment (Software Stack):

- **Node.js:** The back-end server runs on Node.js, allowing for seamless real-timefunctionality and fast API interactions.
- **React.js:** The front-end is built using React.js to create a fast, dynamic, andresponsive user interface.
- **Local Storage API:** Precious Notes relies on the browser's Local Storage API forsecure local data storage.
- **Encryption Libraries:** Various JavaScript encryption libraries are used to ensuredata security in local storage.
- **AI Frameworks:** AI-based note and image generation rely on open-source AIframeworks, integrated via APIs.

Chapter 5

Project Flow

The research methodology for the **Precious Notes** project is structured around a systematic approach that ensures the application is built in a user-centric, efficient, and secure manner. The methodology is divided into several key stages, each focused on addressing core aspects of note-taking, AI integration, and data security. Below is the step-by-step flow:

1. Problem Identification:

- Understand the limitations of traditional note-taking apps, especially in terms ofdata privacy, limited features, and lack of AI-driven functionalities.
- Analyze user requirements for enhanced productivity, privacy, and creativecapabilities in note-taking.

2. Requirement Analysis:

- Identify the functional and non-functional requirements of the project.
- Determine hardware and software specifications needed for the app to runefficiently.
- Review user expectations such as local data storage, encryption, AI-generatednotes, and image creation.

3. Design Phase:

- Create wireframes and mock-ups for the user interface (UI) of the app, ensuring amodern, intuitive, and responsive design.
- Design the backend architecture for AI-based note creation and image generationwhile maintaining a seamless user experience.

4. Technology Selection:

- Select the appropriate technology stack, such as React.js for the front-end, Node.js for the back-end, and Local Storage for secure, encrypted local datastorage.
- Integrate AI models and algorithms for text and image generation.

5. Development:

- Begin by implementing core features such as note creation, local storageencryption, and data organization.
- Incorporate AI functionalities for generating content and develop the drawing toolfor sketching and diagram creation.
- Focus on a modular approach to ensure scalability and flexibility.

6. Testing and Validation:

- Test each module (e.g., note generation, image creation, local encryption) forfunctionality, security, and performance.
- Conduct user testing to gather feedback and ensure the app meets userexpectations.

7. Deployment:

- Deploy the app to a web platform (e.g., Netlify) ensuring smooth user access.
- Monitor the app's performance post-launch and gather data for continuousimprovement.

8. Maintenance and Updates:

- Continuously update the app based on user feedback and technologicaladvancements.
- Ensure the app stays up-to-date with security patches and new AI features.

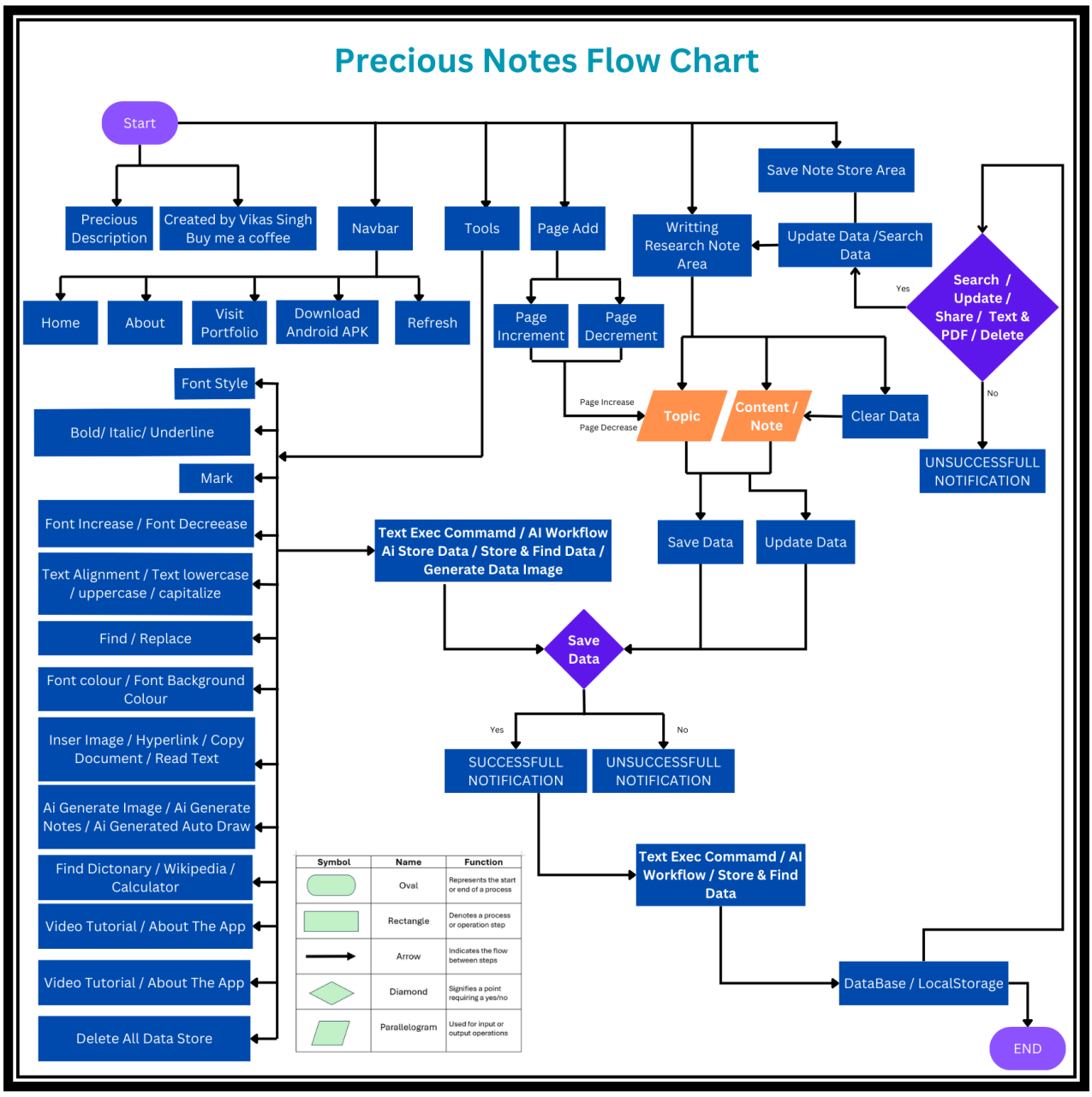


Figure 5.1 Flow Chat

Precious Notes Flow Chart Description

The **Precious Notes Flow Chart** provides a systematic representation of the application's features, workflows, and user interactions, starting from the main page to saving, updating, or managing notes. Below is a detailed explanation of each section and flow:

1. Start Point

The flow chart begins at the **Start Node**, which represents the initiation of the Precious Notes application.

2. Initial Features & Navigation Options

Users can navigate through various options:

- **Precious Description**: Describes the application.
- **Created by Vikas Singh (Buy me a coffee)**: Provides credits to the developer.
- **Navbar**: Core navigation menu with options like:
    - **Home**
    - **About**
    - **Visit Portfolio**
    - **Download Android APK**
    - **Refresh**

3. Tools Section

The **Tools** section includes features for text formatting and customization:

- **Font Style**: Options like bold, italic, underline, and mark text.
- **Font Increase/Decrease**: Adjust text size.
- **Text Alignment**: Align text and convert case (lowercase, uppercase, capitalize).
- **Find/Replace**: Search and replace specific text.
- **Font Color/Background Color**: Customize font appearance.
- **Insert**: Add images, hyperlinks, copy documents, or read text.
- **AI Tools**: Includes advanced options like:
    - AI Generate Image/Notes.
    - AI Auto Draw for notes or diagrams.
- **Utilities**: Tools like dictionaries, Wikipedia access, and a calculator.
- **Video Tutorials**: Links to tutorials about the app's features.
- **Delete All Data Store**: Clear all saved notes and data.

4. Note Creation & Management

The core functionality revolves around creating and managing notes:

- **Page Add**:
    - **Page Increment/Decrement**: Allows adding or navigating through multiple pages.
- **Writing Research Note Area**: The main space where users can input their notes.
    - **Topic Field**: Specifies the title or topic of the note.
    - **Content/Note**: The main text area for note content.

5. Save & Update Workflow

- Once the note is written, users can:
    - **Save Data**
    - **Update Data**
- The system checks for successful data storage.
    - **Successful Notification**: Confirms that data has been stored.
    - **Unsuccessful Notification**: Triggers if the operation fails.

6. Search, Update, Share, Export & Delete

From the **Save Note Store Area**, users can:

- **Search/Update/Share** their notes.
- Export notes as **Text/PDF** or delete them if needed.
- If no data is found during a search, the system provides an **Unsuccessful Notification**.

7. Advanced Text Execution (AI Workflow)

The flow chart integrates advanced features for handling text and data, such as:

- **Text Exec Command / AI Workflow**: Allows users to:
    - Store and find data.
    - Generate data images using AI tools.
    - Retrieve stored notes seamlessly.
- If successful, data is saved to the **Database/Local Storage**.

8. End Point

The flow chart concludes at the **End Node**, signifying the completion of a user session or workflow.

Key Symbols in the Flow Chart

The flow chart uses standard symbols for clarity:

- **Oval**: Represents start and end points.
- **Rectangle**: Indicates processes like tools, saving, or formatting actions.
- **Diamond**: Used for decision-making steps (e.g., successful or unsuccessful data saving).
- **Arrow**: Shows the flow direction.
- **Parallelogram**: Represents input/output operations like saving or updating notes.

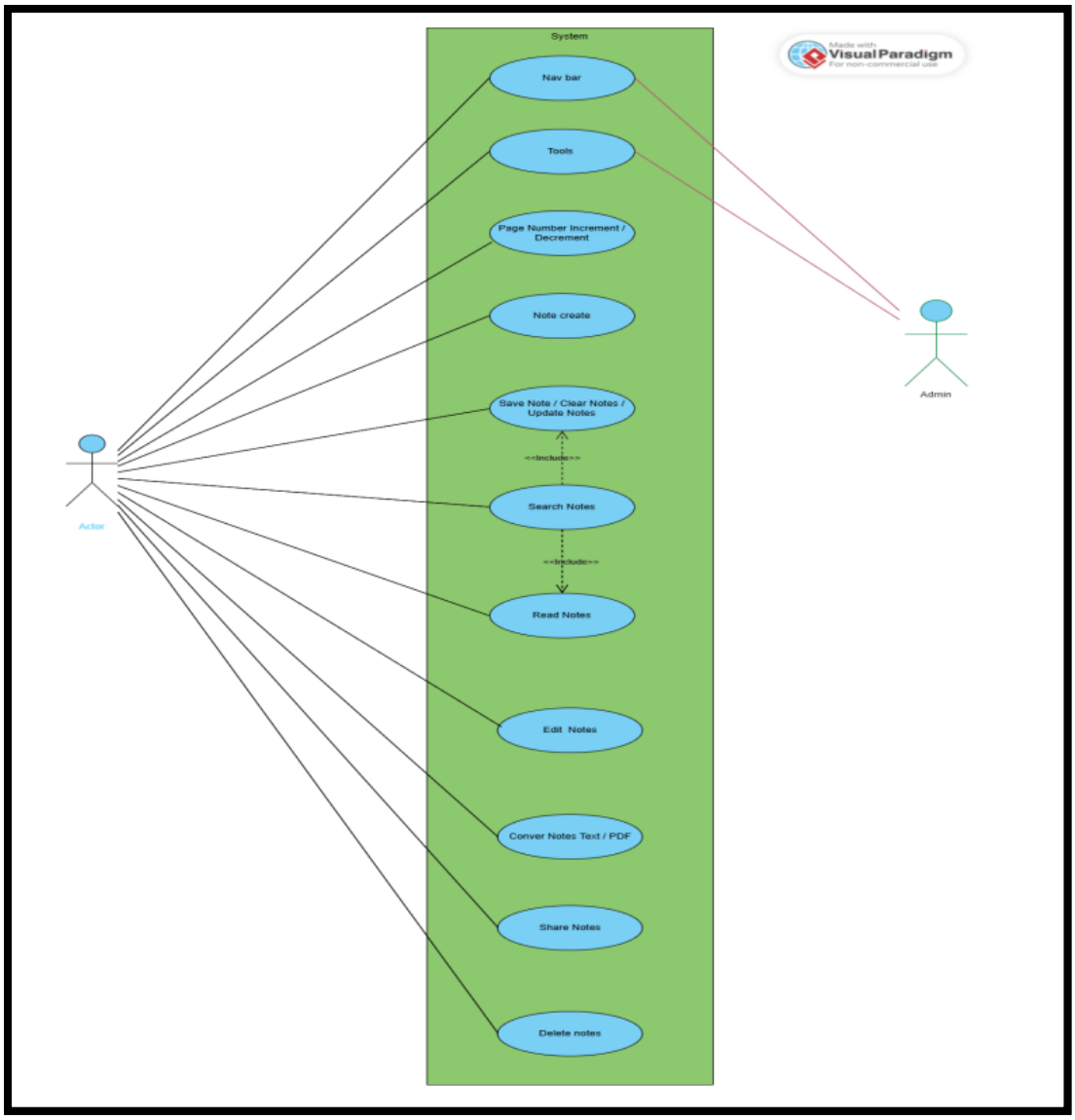


Figure 5.2 Use Case

Actors

1. **User**: The primary actor who interacts with the system to create, manage, and utilize notes. Users include students, teachers, or professionals using the app for note-taking.
2. **Admin**: A secondary actor with administrative rights to oversee and manage various functionalities within the app, ensuring smooth operation and user support.

Use Cases

1. Navigation Bar (NavBar)

- **Description**:
  The navigation bar enables users and admins to seamlessly access different sections of the app, facilitating smooth navigation and usability of various features.
- **Primary Actors**: User, Admin

2. Tools

- **Description**:
  Provides a variety of note-taking tools to enhance the user experience, including text formatting options, drawing tools, and other utilities for creative and efficient note management.
- **Primary Actors**: User, Admin

3. Page Navigation (Page Number Increment/Decrement)

- **Description**:
  Allows users to navigate between different pages within their notes. Users and admins can increment or decrement page numbers to access, view, or edit specific pages.
- **Primary Actors**: User, Admin

4. Create Note

- **Description**:
  Provides the functionality to create new notes. This is the most essential feature of the app, enabling users and admins to initiate their note-taking process.
- **Primary Actors**: User, Admin

5. Save Note / Clear Notes / Update Notes

- **Description**:
  - **Save Note**: Allows users to save newly created notes securely within the app.
  - **Clear Notes**: Enables users to clear the current notes, offering a clean slate for new input.
  - **Update Notes**: Facilitates editing and updating existing notes to ensure they remain accurate and relevant.

    This functionality supports efficient note management for both users and admins during note creation and editing.
- **Primary Actors**: User, Admin

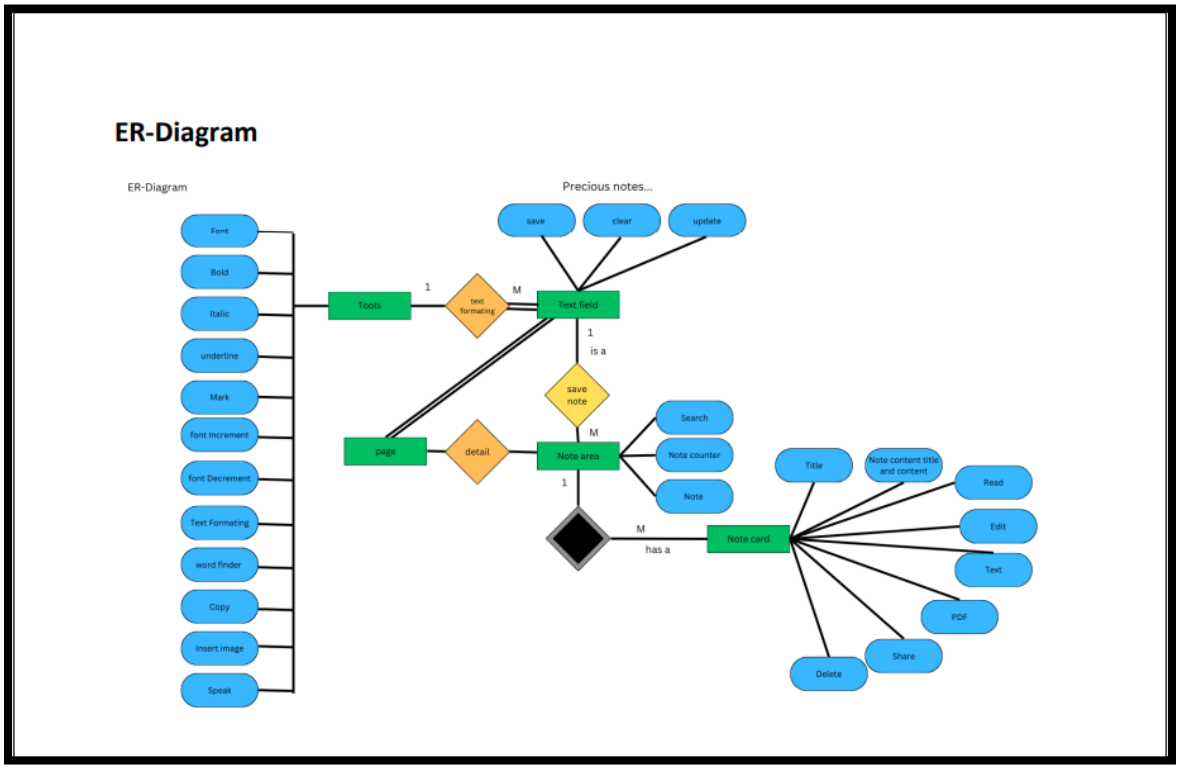


Figure 5.3 ER-Diagram

Chapter 6

Project Outcome

The project outcomes for **Precious Notes** highlight significant findings that contribute to the development of an innovative note-taking application. The project focused on understanding user needs and identifying gaps in existing note-taking solutions. Key outcomes include:

1. **User-Centric Design**: Through surveys and user interviews, it was determined that users prioritize privacy, ease of use, and the ability to organize notes effectively. The findings led to a design that emphasizes a clean user interface with intuitive navigation.
2. **AI Integration**: The implementation of AI for generating notes and images was validated through prototype testing. Users expressed a strong interest in leveraging AI to enhance their creativity and productivity, confirming that AI-generated content can add substantialvalue.
3. **Security Measures**: Research on data security highlighted the importance of local storage and encryption. Users showed a preference for solutions that ensure their data isnot accessible by third parties, driving the decision to store notes securely in local storage.
4. **Feature Set Validation**: The inclusion of features such as drawing tools, text formatting, and image annotation was validated through user feedback, confirming that these capabilities significantly enhance the note-taking experience.
5. **Sustainable Development Goals (SDG)**: The project's alignment with the Quality Education SDG was reinforced through research indicating a growing demand for educational tools that prioritize privacy and creativity.

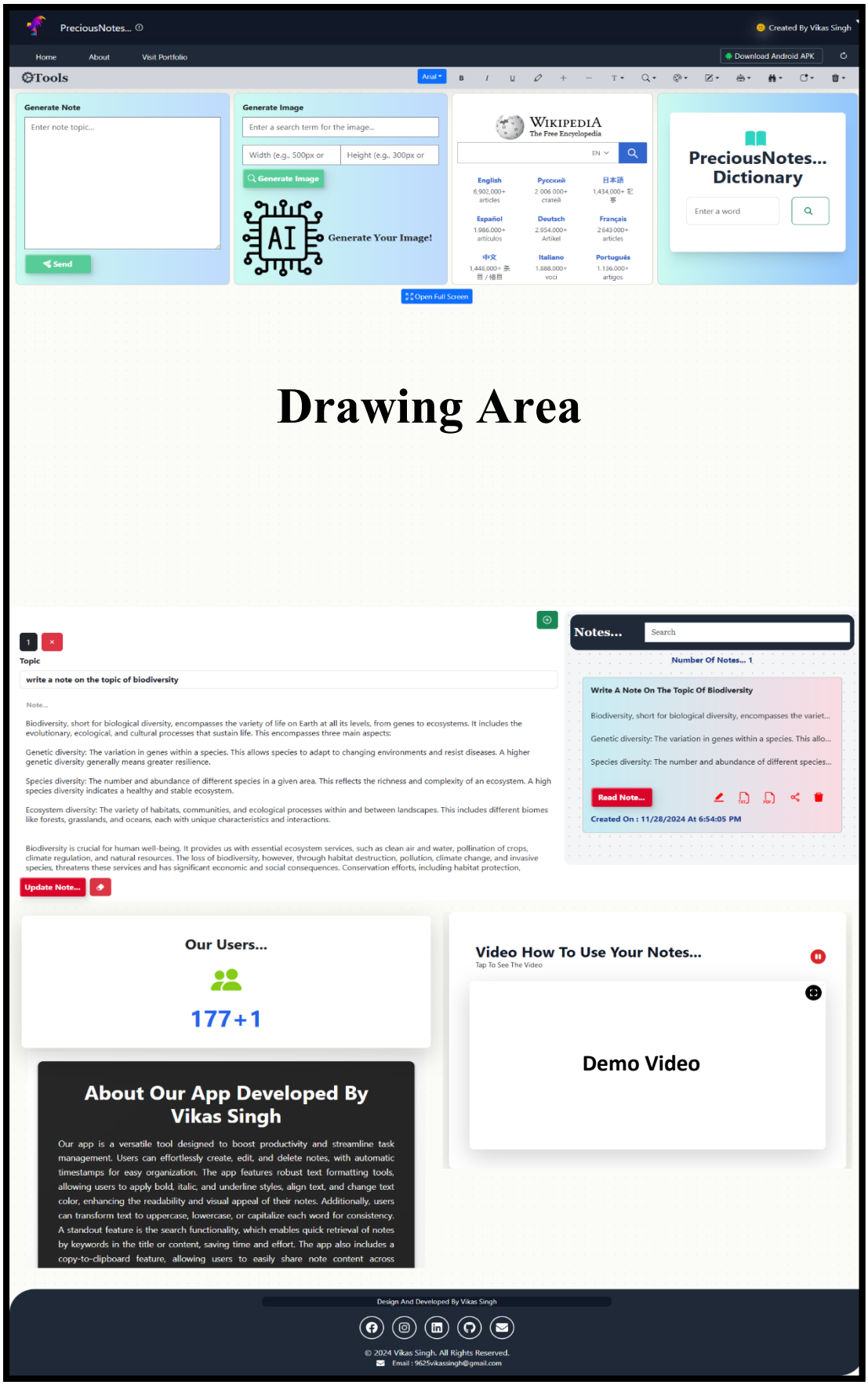


Figure 6.1 Precious Notes Interface

Overview of Precious Notes

Precious Notes is an advanced note-taking and productivity platform developed by **Vikas Singh**. It provides a streamlined user interface for creating, managing, and formatting notes efficiently, incorporating AI-powered tools, educational utilities, and content generation features. The platform focuses on boosting user productivity through intuitive modules and innovative functionalities.

1. Top Navigation Bar

Figure 6.2 Precious Notes Navbar

At the top, the navigation bar offers quick access to:

- **Home**: Directs users to the home page.
- **About**: Provides information about the application.
- **Visit Portfolio**: Links to the developer's portfolio website.
- **Download Android APK**: Allows users to download the app's APK version for Android devices.

2. Tools Section

Figure 6.3 Precious Notes Tools Bar

The Tools section provides a robust workspace for creating and managing notes with the following features:

Generate Note

- Users can input a note **Topic** and create detailed content below it.
- The "Send" button enables saving the note.

Figure 6.4 Precious Notes Generated Notes

AI-Powered Generate Image

- Allows users to search for images using keywords.
- Users can specify the image dimensions (Width/Height).
- Clicking on "Generate Image" retrieves the relevant image using AI.

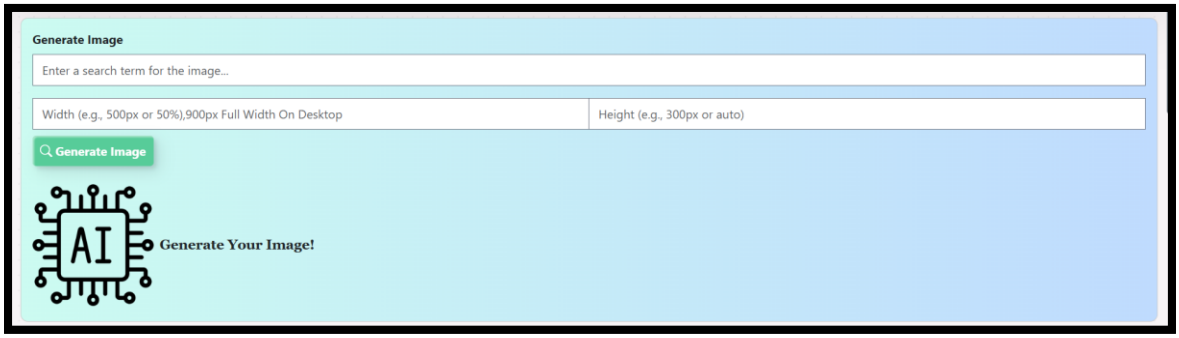


Figure 6.5 Precious Notes Generated Image

Wikipedia Search

- Integrated with Wikipedia for quick access to information.
- Users can enter keywords and retrieve Wikipedia articles.

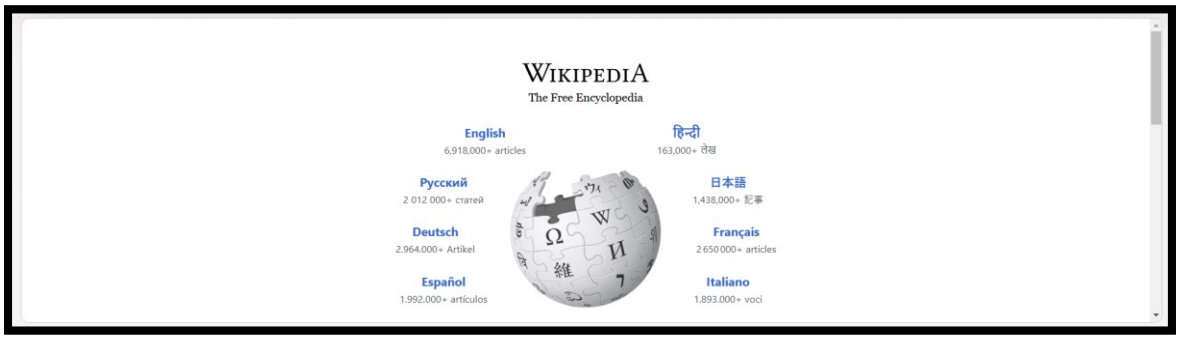


Figure 6.6 Precious Notes Wikipedia

Precious Notes Dictionary

- A dictionary module where users can search for word meanings directly within the app.

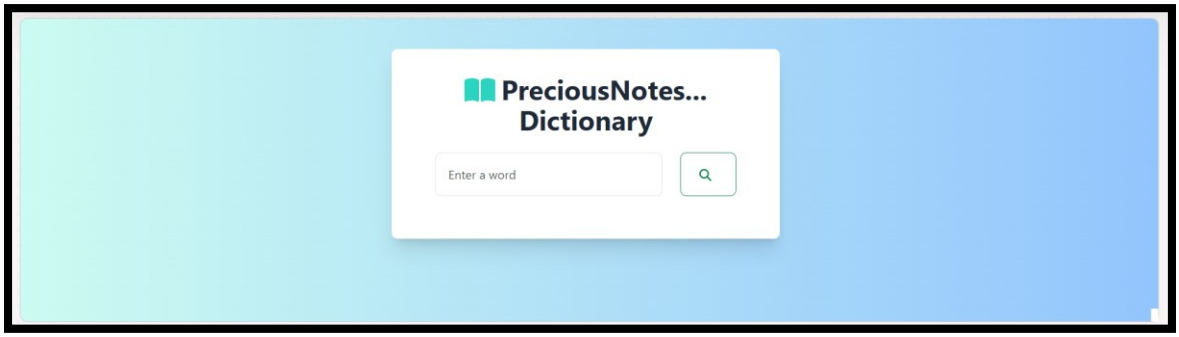
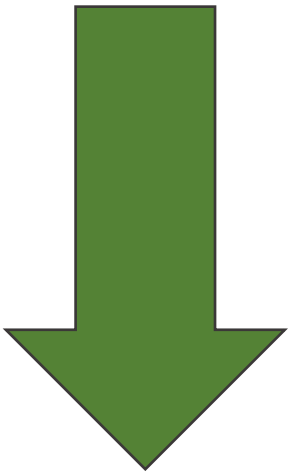


Figure 6.7 Precious Notes Dictionary

3. Note Management Area

- Users can add detailed content under each **Topic**.
- Editing and updating features allow users to refine their notes.
- Notes are displayed in an organized card format, showing:
    - **Title/Topic**
    - **Content Preview**
    - **Read Note**: View the full note.
    - **Created Timestamp**: Shows when the note was created.
    - **Action Buttons**: Options for updating, deleting, or sharing notes.



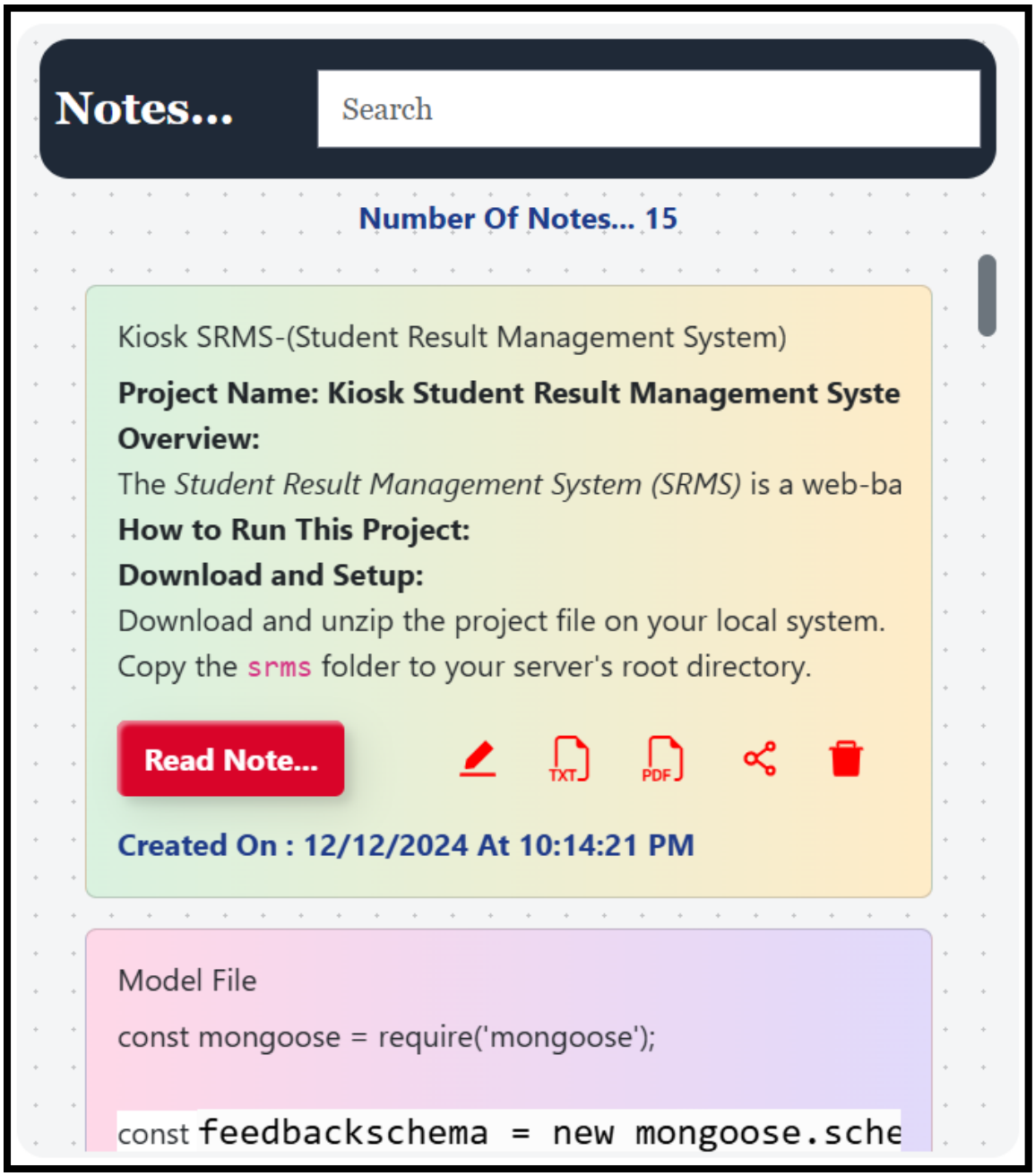


Figure 6.8 Precious Notes Management Area

4. Key Functionalities

- **Text Formatting Tools**: Users can format notes using options like bold, italic, underline, and text alignment.
- **Colour Customization**: Change font color and background for better readability.
- **Case Conversion**: Transform text to uppercase, lowercase, or capitalize words.
- **AI Features**: Generate images and AI-powered functionalities for content enhancement.
- **Utilities**: Integrated tools like Wikipedia, dictionaries, and search bars provide seamless access to additional resources.

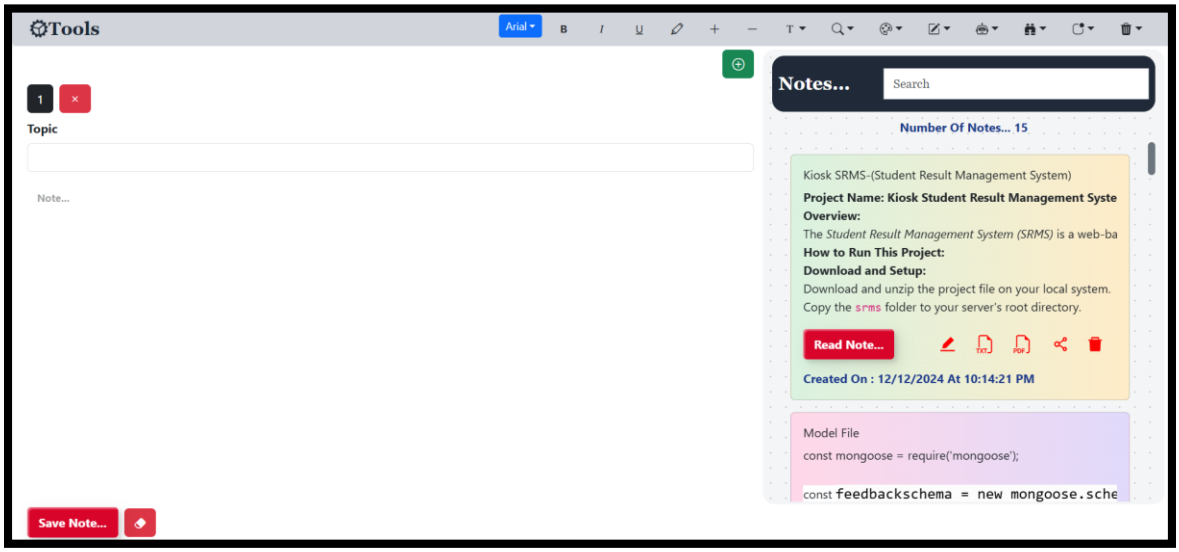


Figure 6.9 Precious Notes key functionalities

5. User Statistics

- The **Our Users** module displays the total number of users (177+1), reflecting user engagement and community size.

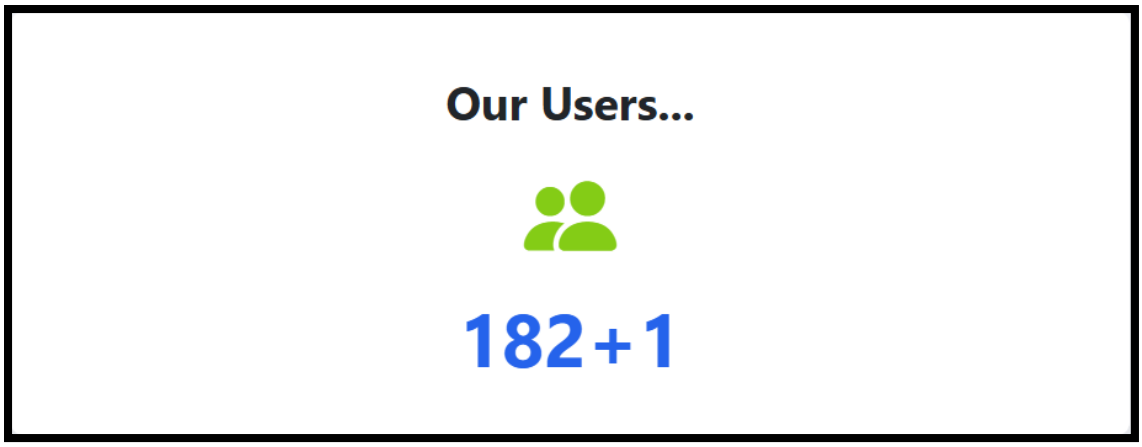


Figure 6.10 Precious Notes Online Users

6. About Section

The **About Our App Developed by Vikas Singh** section provides insights into the app's capabilities and purpose:

- It highlights how the app boosts productivity with text formatting, quick organization tools, copy-to-clipboard features, and AI-powered note enhancements.
- This section adds credibility by showcasing the developer's expertise.

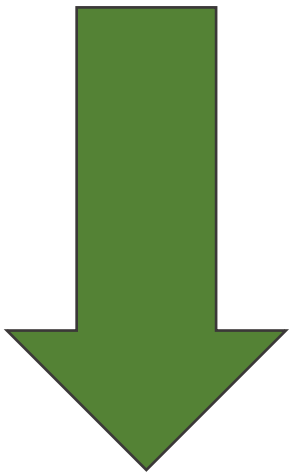


Figure 6.11 Precious Notes About Section

7. Video Tutorial

- A dedicated video module titled **"Video How To Use Your Notes"** helps users understand the app's features through visual guidance.

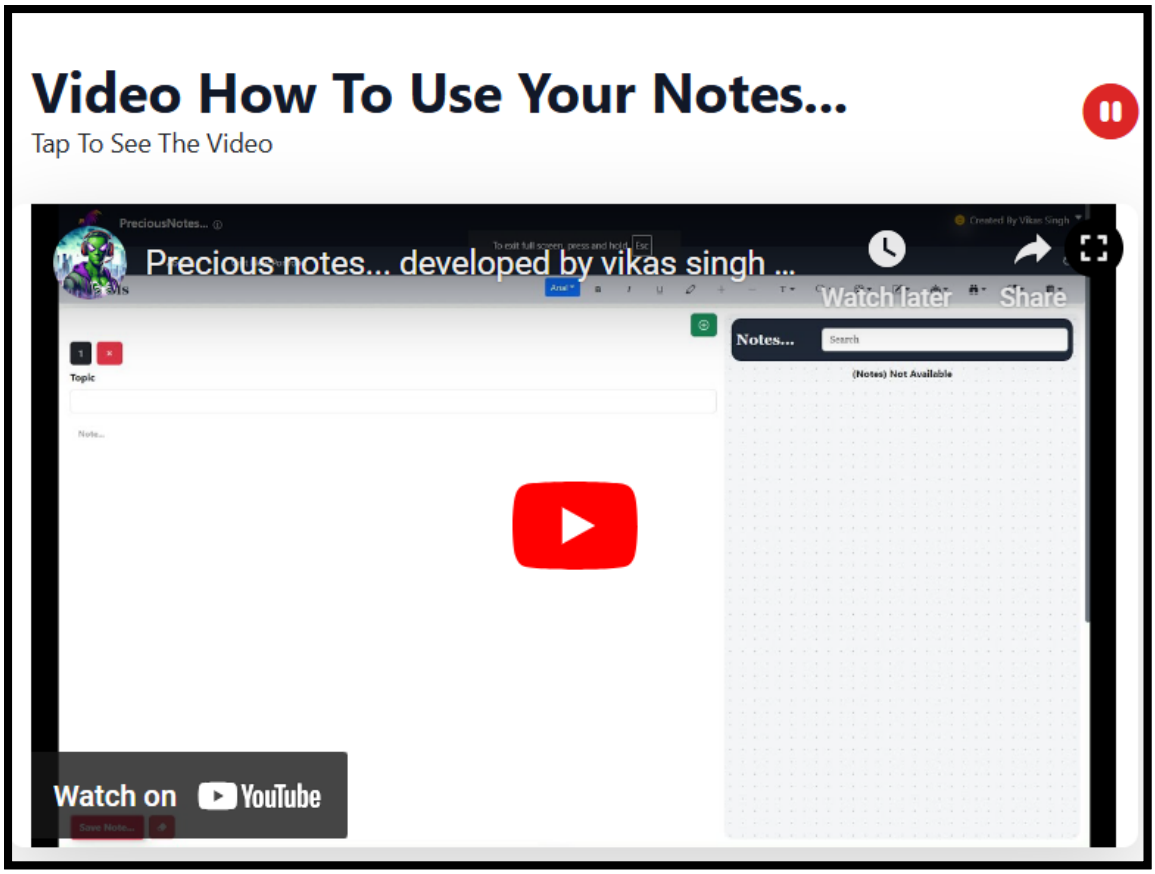


Figure 6.12 Precious Notes Demo Video

8. Footer Section

The footer includes:

- Social Media Icons: Links to connect with the developer via various platforms.
- Contact Information: Email address for inquiries.
- Copyright Notice: Acknowledging Vikas Singh as the developer (2024).

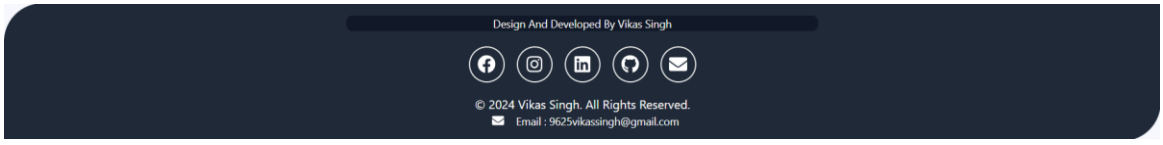


Figure 6.13 Precious Notes Footer

References

1. https://preciousnotes.netlify.app/
2. https://github.com/Iamvikassingh
3. https://github.com/Iamvikassingh/preciousnotes
4. https://youtu.be/F9-9NNIbrD4?si=UlTLdYbLtD4t4LxU
5. https://youtu.be/zaLfOjNEOaQ?si=UTg2V1XWxUi_WLxA
6. https://github.com/notable/notable
7. https://github.com/bimsina/notes-app