

NOTE TAKING APP



26/10/23

Vanshika Kaushik

BE-CSE(3rd Year)

2110992051

G-28

Introduction

The Note Taking App is a web application developed using React that allows users to create, update, and delete notes. It offers a user-friendly interface with features like search, light and dark mode toggles, and dynamic block color generation for each note. This report details the objectives, the technology stack used, and the various features of the project.

Objectives

The primary objectives of the notes taking app project are as follows:

1. **Create an Intuitive Note-Taking Platform:** Develop a user-friendly interface that enables users to easily create, edit, and delete notes.
2. **Implement a Search Feature:** Provide users with the ability to search for notes, making it convenient to find specific information within their notes.
3. **Support Light and Dark Mode:** Offer a responsive design with both light and dark mode options, enhancing user experience and accessibility.
4. **Dynamic Color Generation:** Assign random colors to each note block to add a visually appealing aspect to the app.

Tech Stack

The notes taking app project utilizes the following technologies and tools:

1. **Front-end Framework:** React
2. **Styling:** CSS for basic styling, Tailwind CSS
3. **State Management:** React useState & Context API for handling app-level state
4. **Persistence:** Local Storage of our browser
5. **Version Control:** Git and GitHub for code management

Project Working and Features

The notes taking app offers the following key features and functionalities:

1. Note CRUD Operations

Users can create new notes, update notes, see notes and delete notes in our application effectively.

2. Search Functionality

The app includes a search feature that allows users to find specific notes by entering keywords. This feature greatly enhances the usability of the app, especially when users have a large number of notes.

3. Light and Dark Mode Toggle

Users can switch between light and dark modes, providing a comfortable viewing experience in different lighting conditions and user preferences.

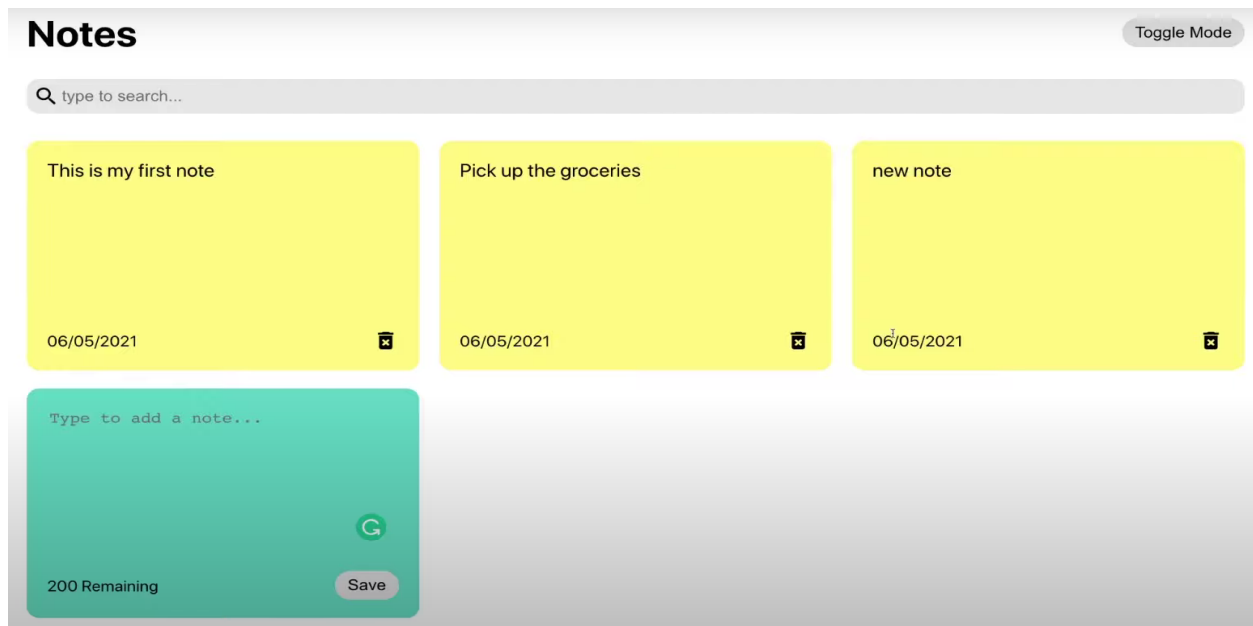
4. Dynamic Block Colors

Each note is presented within a block that features a randomly generated color. This adds an aesthetic and engaging element to the app.

5. Responsive Web Design

Our application is fully responsive for tablets, phones and Personal Computers

APPLICATION DESIGN



CONCLUSION

The Note Taking App is a React-based web application that fulfills its objectives of providing a user-friendly note-taking platform with essential features like note creation, editing, deletion, search functionality, and light/dark mode toggles. The dynamic block colors make the app visually appealing and engaging for users. By using modern web development technologies, this project delivers a practical and visually pleasing note-taking solution. Further enhancements and optimizations can be made based on user feedback and evolving requirements.

With the technology stack employed, this project can be easily maintained, scaled, and deployed to provide a seamless note-taking experience for users.