

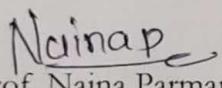


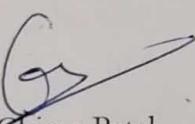
CERTIFICATE

This is to certify that the report entitled “iNotebook” is a bonafied work carried out by **Devin Aghara (22DCS001)** under the guidance and supervision of **Prof. Naina Parmar** for the subject **Project-II (CSE210)** of 4th Semester of Bachelor of Technology in **Computer Science & Engineering** at Faculty of Technology & Engineering (DEPSTAR) – CHARUSAT, Gujarat.

To the best of my knowledge and belief, this work embodies the work of candidate himself, has duly been completed, and fulfills the requirement of the ordinance relating to the B.Tech. Degree of the University and is up to the standard in respect of content, presentation and language for being referred to the examiner.

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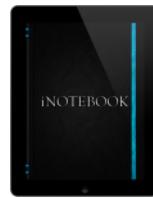
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A
Project Report
On
"iNotebook"



Prepared by
Devin Aghara (22DCS001)
Vasu Faldu (22DCS017)
Rachit Manek (22DCS043)

Under the guidance of

Prof. Naina Parmar

Prof. Krishna Patel

Submitted to

Charotar University of Science & Technology

Degree of Bachelor of Technology
in Computer Science & Engineering

CSE210: Project-II

of 4th Semester of B.Tech

Submitted at



DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

Faculty of Technology & Engineering, CHARUSAT

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At: Changa, Dist: Anand – 388421

May 2024

DECLARATION BY THE CANDIDATES

We hereby declare that the project report entitled “**iNoteBook**” submitted by us to Devang Patel Institute of Science and Technology, Changa in partial fulfilment of the requirements for the award of the degree of **B.Tech Computer Science & Engineering**, from the Department of Computer Science & Engineering, CSPIT, FTE is a record of bonafide CSE210 Project-II carried out by us under the guidance of **Prof. Krishna Patel and Prof. Naina Parmar**. We further declare that the work carried out and documented in this project report has not been submitted anywhere else either in part or in full and it is the original work, for the award of any other degree or diploma in this institute or any other institute or university.

(Devin Aghara-22DCS001)

(Vasu Faldu-22DCS017)

(Rachit Manek-22DCS043)

This is to certify that the above statement made by the candidate is correct to the best of my knowledge.

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ABSTRACT

iNotebook revolutionizes the way individuals manage their notes, offering a seamless and secure platform accessible across all devices. At its core, iNotebook serves as a digital sanctuary for users to store, organize, and access their notes with ease and efficiency. With a simple yet powerful interface, users can effortlessly create new notes, rename existing ones, and delete those no longer needed, all within a protected environment that prioritizes privacy and security. Central to iNotebook's functionality is its login and password system, which safeguards each user's data, ensuring that only authorized individuals have access to their notes. This robust security measure instills confidence in users, allowing them to store sensitive information without fear of unauthorized access. One of iNotebook's standout features is its cross-device compatibility, enabling users to access their notes from any device with an internet connection. Whether on a desktop computer, tablet, or smartphone, users can seamlessly transition between devices, ensuring their notes are always at their fingertips, no matter where they are or which device they're using. Furthermore, iNotebook prioritizes user experience, with a clean and intuitive interface that makes note-taking a pleasure rather than a chore. Whether jotting down quick thoughts on the go or drafting comprehensive project plans, users can navigate iNotebook effortlessly, streamlining their note-taking process and freeing up valuable time for other tasks. In conclusion, iNotebook is more than just a note-taking tool; it's a comprehensive solution for organizing and managing notes securely and efficiently. With its robust security features, cross-device compatibility, and user-friendly interface, iNotebook empowers individuals to take control of their digital notes, enabling them to focus on what matters most without compromising on convenience or security.

CHAPTER 1: INTRODUCTION

Topic 1: Background of iNotebook

1.1 Evolution of online notes:

The advent of digital technology has transformed the way individuals manage their notes. From traditional paper-based notebooks to sophisticated online platforms, the evolution of note-taking tools has been marked by advancements in accessibility, collaboration, and organization. Online note-taking platforms have emerged as versatile solutions, offering features such as cloud storage, synchronization across devices, and collaborative editing capabilities.

1.2 Impact of Barriers:

Despite the convenience of traditional note-taking methods, they are often limited by barriers such as physical storage constraints, accessibility issues, and lack of organization. Digital solutions address these barriers by providing users with a centralized platform for storing, organizing, and accessing their notes anytime, anywhere. However, challenges such as data security and user privacy remain pertinent concerns in the digital realm.

Topic 2: Objectives and Motivation of iNotebook

2.1 Aims of the Project:

iNotebook aims to revolutionize the note-taking experience by providing users with a secure, user-friendly platform for creating, managing, and accessing their notes online. The project seeks to enhance organizational efficiency, facilitate seamless collaboration, and promote accessibility across devices. By offering features such as password protection, synchronization, and customization options, iNotebook aims to cater to the diverse needs of users in various contexts.

2.2 Motivation Behind iNotebook:

The motivation behind iNotebook stems from the recognition of the growing need for efficient note-taking solutions in an increasingly digital world. The project is driven by a desire to empower users with a versatile tool that adapts to their individual preferences and workflows. Additionally, the team behind iNotebook is motivated by a commitment to innovation, continually seeking to improve the platform's functionality and user experience in response to evolving technological trends and user feedback.

Topic 3: Development of Translation Algorithms

3.1 Utilizing API for Translation:

iNotebook integrates translation APIs to support multilingual note-taking, allowing users to create and manage notes in their preferred language. By leveraging state-of-the-art translation technology, iNotebook ensures accuracy and reliability in the translation process, enabling seamless communication across language barriers.

3.2 Implementation of API Integration:

The integration of translation APIs into iNotebook involves technical processes such as API selection, data preprocessing, and real-time translation implementation. The development team focuses on optimizing performance, minimizing latency, and enhancing user experience through seamless API integration.

Topic 4: User Feedback and Performance Evaluation

4.1 Collection of User Feedback:

iNotebook actively solicits user feedback through various channels, including surveys, usability testing, and user interviews. By gathering input from users, the development team gains insights into user preferences, pain points, and feature requests, informing iterative improvements and updates to the platform.

4.2 Analysis of User Feedback:

The collected user feedback is systematically analyzed to identify patterns, trends, and areas for improvement. By conducting qualitative and quantitative analysis, the development team prioritizes enhancements that align with user needs and expectations, ensuring continued relevance and usability of iNotebook.

4.3 Performance Evaluation:

iNotebook undergoes rigorous performance evaluations to assess its responsiveness, reliability, and security. By monitoring key performance metrics and conducting benchmark tests, the development team ensures that iNotebook meets or exceeds industry standards, providing users with a seamless and reliable note-taking experience.

CHAPTER 2: OVERVIEW OF EXISTING SOLUTION/TECHNOLOGY/METHODOLOGY

2.1 Introduction to Existing Solutions

The realm of online note-taking solutions is vast and diverse, encompassing a wide range of platforms and applications designed to meet various user needs and preferences. These solutions have evolved over time to offer an array of features aimed at enhancing productivity, organization, and collaboration. From traditional note-taking apps to sophisticated cloud-based platforms, users have access to tools that allow them to create, edit, organize, and share their notes seamlessly across devices. Examples of popular online note-taking solutions include Evernote, Google Keep, Microsoft OneNote, Apple Notes, and Notion, among others.

2.2 Comparison and Analysis of Existing Solutions

A detailed comparison and analysis of existing note-taking solutions reveal distinct differences in terms of features, user experience, pricing models, and ecosystem integration. Evernote, for instance, is known for its robust organizational capabilities, extensive tagging system, and cross-platform compatibility. Google Keep offers a simple and intuitive interface, seamless integration with Google's suite of applications, and real-time collaboration features. Microsoft OneNote provides a comprehensive set of tools for multimedia note-taking, including drawing, audio recording, and handwriting recognition, along with integration with Microsoft Office products. Apple Notes offers seamless synchronization across Apple devices, deep integration with iOS and macOS ecosystem, and support for rich text formatting and media embedding. Notion stands out for its flexibility and versatility, allowing users to create customizable databases, wikis, and project management boards within a single platform.

In addition to feature comparison, factors such as data privacy and security, offline access, search capabilities, and third-party integrations play crucial roles in evaluating the suitability of a note-taking solution for individual users or organizations. By conducting a thorough analysis of these aspects, users can make informed decisions when selecting the most suitable platform to fulfill their specific requirements.

2.3 Emerging Trends

The landscape of online note-taking solutions is constantly evolving, driven by emerging technologies and changing user expectations. Some notable emerging trends in the industry include advancements in artificial intelligence (AI), natural language processing (NLP), and machine learning (ML), which enable innovative features such as smart categorization, automated note organization, and contextual suggestions. Voice-to-text transcription capabilities are becoming increasingly prevalent, allowing users to dictate their notes using speech recognition technology. There is also a growing emphasis on data privacy and security, with end-to-end encryption becoming a standard feature in many note-taking platforms to protect sensitive information from unauthorized access.

Moreover, the shift towards mobile-first design principles and cross-platform compatibility ensures that users can access their notes seamlessly across a variety of devices, including smartphones, tablets, laptops, and desktop computers. As the demand for flexible and collaborative work environments continues to rise, online note-taking solutions are expected to evolve further to meet the evolving needs of users in terms of productivity, organization, and communication.

CHAPTER 3: LIMITATIONS OF EXISTING SYSTEM

Limited Collaboration Features: While many note-taking platforms allow users to share notes or notebooks with others, they may lack advanced collaboration features. For instance, real-time editing capabilities, simultaneous editing by multiple users, or comprehensive commenting and annotation tools may be absent. This limitation can hinder effective teamwork and communication, particularly for collaborative projects or group studies.

Inadequate Organization Tools: Existing systems may offer basic organization features such as folders or tags, but they might lack advanced organizational tools. For example, users may need hierarchical tagging systems, customizable sorting options, or advanced search functionalities to efficiently manage and locate their notes, especially as the volume of notes grows over time.

Limited Formatting Options: Some note-taking platforms may have restricted formatting options for notes. Users may require more extensive formatting capabilities, such as rich text editing, multimedia embedding (e.g., images, videos), or advanced layout customization, to create visually appealing and informative notes. Without these features, users may feel constrained in expressing their ideas creatively.

Security Concerns: Despite implementing security measures like encryption and password protection, users may still have concerns about the privacy and security of their data. Potential vulnerabilities, data breaches, or unauthorized access to sensitive information could undermine users' trust in the platform. Robust security features and transparent privacy policies are essential for addressing these concerns.

Limited Offline Access: While many note-taking platforms offer offline access, the functionality may be limited or inconsistent. Users may encounter difficulties accessing or syncing their notes offline, particularly in areas with poor internet connectivity or when using devices without internet access. Seamless offline functionality is crucial for users who rely on their notes while traveling or working in remote locations.

Integration Challenges: Users often need to integrate their note-taking platform with other productivity tools or software applications to streamline their workflow. Existing systems may have limitations in terms of compatibility or integration options with external tools such as task managers, calendar apps, or project management platforms. Seamless integration with a wide range of third-party services can enhance users' productivity and workflow efficiency.

Platform Dependence: Users may face limitations when accessing their notes from different devices or operating systems. Incompatibility issues or lack of cross-platform synchronization can disrupt users' workflow and cause frustration. Providing robust cross-platform support, including dedicated applications for various devices and seamless synchronization across platforms, is essential for ensuring a consistent user experience.

CHAPTER 4: NEED FOR NEW SYSTEM /ALGORITHM

Enhanced Collaboration Features: Users increasingly rely on collaborative note-taking for group projects, brainstorming sessions, or remote teamwork. Therefore, a new system should incorporate advanced collaboration features such as real-time editing, commenting, and annotation tools to facilitate seamless teamwork and communication among users.

Improved Organization Tools: With the growing volume of digital information, users require more sophisticated organization tools to efficiently manage their notes. Introducing features like hierarchical tagging systems, customizable sorting options, and advanced search functionalities can help users organize and locate their notes more effectively.

Expanded Formatting Options: Users often need to create visually appealing and informative notes with rich text formatting, multimedia embedding, and advanced layout customization. Therefore, the new system should offer extensive formatting options to enable users to express their ideas creatively and effectively.

Enhanced Security Measures: Data privacy and security are paramount concerns for users storing sensitive information online. Implementing robust security measures such as end-to-end encryption, multi-factor authentication, and regular security audits can enhance users' confidence in the platform and protect their data from unauthorized access or breaches.

Seamless Offline Access: Reliable offline access is essential for users who need to access their notes without an internet connection, such as during travel or in areas with limited connectivity. Therefore, the new system should prioritize seamless offline functionality, ensuring that users can access, edit, and sync their notes across devices even when offline.

Improved Integration Capabilities: Integrating iNotebook with other productivity tools and software applications can streamline users' workflows and enhance productivity. Therefore, the new system should offer seamless integration with a wide range of third-party services such as task managers, calendar apps, and project management platforms to enable users to access and utilize their notes more efficiently.

Cross-Platform Compatibility: Users expect to access their notes from any device, including smartphones, tablets, laptops, and desktop computers. Therefore, the new system should ensure cross-platform compatibility, providing dedicated applications for various devices and seamless synchronization of notes across platforms to deliver a consistent user experience.

CHAPTER 5: SYSTEM DESIGN/ARCHITECTURE /MODEL

5.1 System Overview

This section provides an overview of the iNotebook system, outlining its key features, functionalities, and objectives. It highlights the purpose of the platform as a web-based application for storing, organizing, and managing online notes securely. Additionally, it discusses the target audience and the primary use cases for the system.

5.2 Hardware and Software Requirements

This section details the hardware and software requirements for running the iNotebook application. It includes specifications for both client-side and server-side components, such as compatible devices (e.g., laptops, smartphones, tablets), operating systems (e.g., Windows, macOS, iOS, Android), web browsers (e.g., Chrome, Firefox, Safari), and server infrastructure (e.g., hosting environment, database server).

5.3 System Architecture

The system architecture section provides an in-depth overview of the architectural design of iNotebook, including its components, interactions, and data flow. It describes the layered architecture of the system, highlighting the presentation layer (user interface), application layer (business logic), and data layer (database storage). It also discusses the use of client-server architecture and APIs for communication between client devices and the server..

5.4 Modules in the Proposed System

This section outlines the various modules or components that comprise the proposed iNotebook system. It identifies and describes each module's functionality, including user management (signup, login, password management), note management (creation, deletion, renaming), synchronization across devices, collaboration features, and security mechanisms (encryption, authentication).

5.5 Figma/Screen/Model Design

In this section, the design aspects of iNotebook are presented, including wireframes, mockups, or prototypes created using design tools like Figma. It showcases the user interface design, including screen layouts, navigation structures, and visual elements such as icons, buttons, and forms. Additionally, it may include descriptions or explanations of design choices, user interactions, and usability considerations to provide insight into the user experience of the system.

By addressing these topics in the system design chapter, readers gain a comprehensive understanding of the iNotebook platform's architecture, functionality, and user interface design, laying the foundation for the subsequent development and implementation phases of the project.

CHAPTER 6: DATASET/DATABASE DESIGN

In this chapter, we present the design of the dataset and database structure for the iNotebook platform. The following sections include an ER diagram depicting the database schema, a data dictionary describing the tables and their attributes, characteristics of the dataset, and the primary and secondary sources of data.

6.1 DATABASE SCHEMA (ER DIAGRAM)

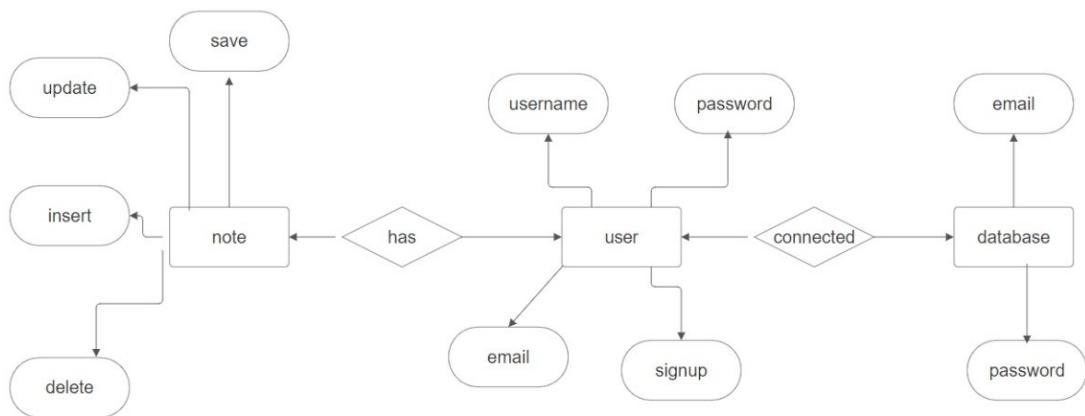


Figure 1

6.2 Table Description (Data Dictionary)

USER	
USERNAME	VARCHAR(10)
PASSWORD	VARCHAR(15)
EMAIL	VARCHAR(35)
SIGNUP	VARCHAR(20)

NOTE	
SAVE	
INSERT	
DELETE	
UPDATE	

DATABASE	
EMAIL	VARCHAR(35)
PASSWORD	VARCHAR(15)

Figure 2

CHAPTER 7: IMPLEMENTATION

7.1 Technology Stack

Frontend: ReactJs for building the user interface and MUI for styling

Backend: NodeJs with expressJs for server-side logic

Database: MongoDB for data storage and management

7.2 Coding Snapshots

Users database schema :

```
const mongoose = require('mongoose');
const { Schema } = mongoose;

const UserSchema = new Schema({
  name: {
    type: String,
    required: true
  },
  email: {
    type: String,
    required: true,
    unique: true
  },
  password: {
    type: String,
    required: true
  },
  date: {
    type: Date,
    default: Date.now
  },
});
const User = mongoose.model('user', UserSchema);
module.exports = User;
```

Figure 3

Notes database schema :

```
const mongoose = require('mongoose');
const { Schema } = mongoose;

const NotesSchema = new Schema({
  user: {
    type: mongoose.Schema.Types.ObjectId,
    ref: 'user'
  },
  title: {
    type: String,
    required: true
  },
  description: [
    {
      type: String,
      required: true
    }
  ],
  tag: {
    type: String,
    default: "General"
  },
  date: {
    type: Date,
    default: Date.now
  },
});
module.exports = mongoose.model('notes', NotesSchema);
```

Figure 4

Main App.js which defines whole react project :

```

import './App.css';
import About from './components/About.js';
import Alert from './components/Alert.js';
import Home from './components/Home.js';
import Login from './components/Login.js';
import Navbar from './components/Navbar.js';
import Signup from './components/Signup.js';
import { useState } from 'react';

import NoteState from './context/notes/NoteState.js'
import { BrowserRouter as Router, Route, Routes } from 'react-router-dom';

function App() {
  const [alert, setAlert] = useState(null);
  const showAlert = (message, type)=>{
    setAlert({
      msg: message,
      type: type
    })
    setTimeout(() => {
      setAlert(null);
    }, 1500);
  }
}

export default App;

```

Figure 5

```

return (
  <>
  <NoteState>
    <Router>
      <Navbar />
      <Alert alert={alert} />
      <div className="container">
        <Routes>
          <Route exact path='/' element={<Home showAlert={showAlert}>/}> />
          <Route exact path='/about' element={<About />} />
          <Route exact path='/login' element={<Login showAlert={showAlert}>/}> />
          <Route exact path='/signup' element={<Signup showAlert={showAlert}>/}> />
        </Routes>
      </div>
    </Router>
  </NoteState>
);
}

export default App;

```

Figure 6

7.3 Pseudocode

```

WHILE user continues using website
    Display options: Signup, Login, Logout
    Get user action choice

    IF user action is Signup
        Prompt user for username, password, and other details
        Validate user information (e.g., username uniqueness)
        Hash password for security
        Hash password for security
        Store user information securely in database
        Display successfully login message
        Navigate to Login

    IF user action is Login
        Prompt user for username and password
        Validate credentials against database
        IF credentials match
            Set user session variable
            Navigate to Homepage
        ELSE
            Display error message "Credential is not matched"

    IF user action is Logout
        Clear user session variable
        Navigate back to Login page

    IF user action is Logout OR Closing browser session
        Clear any temporary user data
        Close connection with database

WHILE user is logged in
    Display Homepage
    Display input form for notes
    Allow adding new notes and stored in individual user credential
    Get user action choice

    IF user action is Add Note
        Add title , description , tag
        Update in database

    IF user action is edit or delete
        IF action is Update
            Update new editing in database
        IF action is Delete
            Delete note in database

```

7.4 Algorithm

Below is an algorithm for flow of the user on website iNotebook :

1. User Actions Loop:

WHILE user continues using website (loop continues)

 Display options: Signup, Login, Logout

 Get user action choice

2. Signup:

 IF user chooses Signup

 Prompt user for username, email, password and other details

 Validate user information with auth token

 Store user information securely in database

3. Login:

 IF user chooses Login

 Prompt email and password

 Check with database

 IF credential matched

 Navigate to home page

 ELSE

 Display message “Invalid credential”

4. Homepage:

 Display list of user notes (fetched from database)

 Allow adding new notes

 Can able to edit and delete notes

 It reflects to database

5. Logout:

 IF user chooses Logout

 Clear user session variable

 Navigate back to Login page

6. Ending Session:

 When user close website or browser session expires

 Close connection with database

CHAPTER 8: RESULTS & DISCUSSIONS

8.1 Implementation Results

In this section, a detailed account of the outcomes of the iNotebook website's implementation phase is presented. It encompasses an exhaustive analysis of various facets including functionality, performance metrics, and user feedback. Each aspect is evaluated against predefined benchmarks and objectives set during the planning phase. For functionality, the section explores the extent to which the website meets its intended purposes such as note creation, deletion, and renaming, as well as user authentication and data security measures. Performance metrics such as system uptime, responsiveness, and error rates are meticulously measured and reported. User feedback, gathered through surveys, interviews, or analytics, is analyzed to gauge user satisfaction, identify pain points, and pinpoint areas for improvement. Moreover, any challenges encountered during implementation, such as technical issues or resource constraints, are thoroughly documented along with the strategies employed to mitigate them. By providing a comprehensive overview of the implementation results, this section offers stakeholders a clear understanding of the project's accomplishments and areas for further development.

8.2 Discussion

The discussion segment delves into an in-depth analysis and interpretation of the implementation results. It critically examines the findings in relation to the project's overarching goals and requirements, probing how effectively the website addresses user needs and fulfills its intended purposes. Successes are celebrated, and areas for improvement are identified and analyzed. For instance, if the implementation achieved high functionality ratings but faced performance issues, the discussion explores potential reasons for the discrepancies and proposes strategies for optimization. Similarly, if user feedback indicates dissatisfaction with certain features or aspects of the website, the discussion delves into the root causes and suggests enhancements or redesigns to address user concerns. Furthermore, the broader implications of the results are considered, taking into account factors such as market trends, emerging technologies, and user preferences. Recommendations for future iterations or enhancements of the website are provided based on insights gleaned from the implementation results and discussions. Ultimately, the discussion serves as a platform for stakeholders to reflect on the project's outcomes, draw meaningful conclusions, and chart a course for future development efforts.

8.3 Screenshots

Below are screenshots showcasing various functionalities of the iNotebook platform:

- Home Page:

The screenshot shows the iNotebook platform's home page. At the top, there is a blue header bar with the text "iNotebook" and "Logout". Below the header, the main content area has a title "Add a Note" and four input fields: "Title", "Description", and "Tag", each with a corresponding text input box. Below these fields is a blue "Add Note" button. Underneath the "Add Note" section, there is a heading "You Notes" followed by a list of two notes: "SGp" and "External Viva". Each note entry contains the note title, a brief description, and two small icons.

Figure 7

- Sign up Page:

The screenshot shows the iNotebook platform's sign-up page. On the left side, there is a white rectangular form with a title "Sign up" at the top. It contains four input fields: "Username" (with a user icon), "Email" (with an envelope icon), "Password" (with a lock icon), and "Confirm Password" (with a lock icon). Below these fields is a blue "SIGN UP" button. To the right of the sign-up form is a large, semi-transparent blue circle that covers most of the right side of the page. Inside this blue area, there is a smaller white rectangular box containing the text "One of us ?" and "Lorem ipsum dolor sit amet consectetur adipisciing elit. Nostrum laboriosam ad delenit.". At the bottom right of this white box is a small blue "SIGN IN" button.

Figure 8

- Sign in Page:

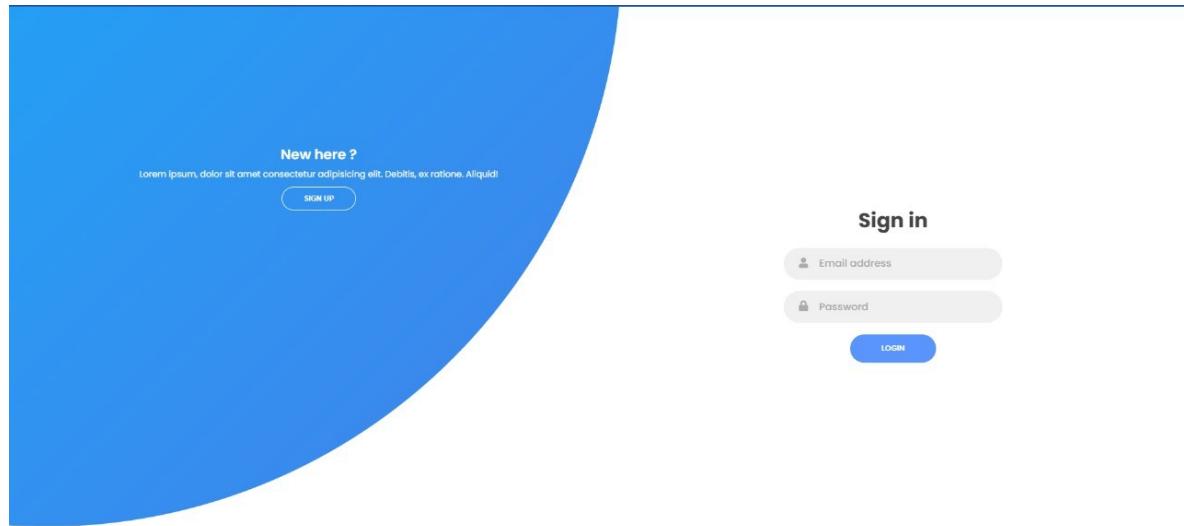


Figure 9

CHAPTER 9: CONCLUSION

In conclusion, iNotebook epitomizes the essence of modern note-taking convenience, offering users a seamless and secure platform for managing their digital notes. With its intuitive interface, robust security features, and cross-device accessibility, iNotebook has successfully addressed the evolving needs of users in today's digital age. By providing essential functionalities such as note creation, deletion, and renaming, coupled with user-friendly navigation and organization options, iNotebook simplifies the process of storing and managing online notes. Its login, password, and signup system ensures user privacy and data security, instilling confidence in users to entrust their valuable information to the platform. Moreover, the ability to access iNotebook from any device adds unparalleled flexibility to users' note-taking workflows, enabling seamless transitions between devices and locations. Whether on a desktop computer, laptop, tablet, or smartphone, users can effortlessly access their notes whenever and wherever they need them. Looking forward, iNotebook is poised to continue its journey of innovation and enhancement. By leveraging emerging technologies, refining user experiences, and expanding its feature set, iNotebook aims to remain at the forefront of the digital note-taking landscape, empowering users to stay organized, productive, and efficient in their personal and professional lives. In essence, iNotebook is more than just a note-taking platform—it is a companion that simplifies the complexities of digital organization, enabling users to focus on what matters most: capturing ideas, staying organized, and achieving their goals. With iNotebook by their side, users can embark on their note-taking journey with confidence, knowing that their notes are safe, accessible, and ready to inspire creativity and productivity.

CHAPTER 10: REFERENCES

React Documentation : <https://react.dev/learn>

Express API Documentation : <https://expressjs.com/en/5x/api.html>

Node API Documentation : <https://nodejs.org/api/documentation.html>

MongoDB manual : <https://www.mongodb.com/docs/manual/>

Bootstrap : <https://getbootstrap.com/docs/5.3/getting-started/introduction/>

MUI React Documentation : <https://mui.com/material-ui/getting-started/>

ANNEXURE A

Attach SIGNED PROJECT PROBLEM STATEMENT AND ALL SIGNED WEEKLY REPORTS IN SEQUENCE)



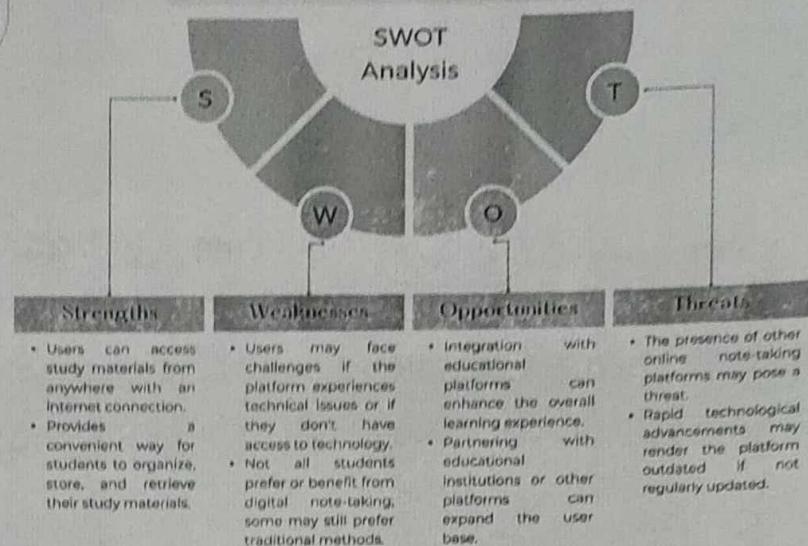
**Faculty of Technology and Engineering
Devang Patel Institute of Advance Technology and Research
Department of Computer Science & Engineering**

Project Problem Statement for Project-II

Project Group ID: DEPSTAR/CSE/A /Group ID			
Student ID:	22DCS001	22DCS017	22DCS043
Name:	Devin Aghara	Vasu Faldu	Rachit Manek
Project Title:	iNotebook		
Domain of Project Definition:	Education/Retail		
Technology/Methodologies to be used in project:	MERN Stack Development (MongoDB, ExpressJs, ReactJs, NodeJs)		
Project Objectives	To managed notes and other documents anywhere saved safely in database and it can be accessed by any devices by their id and password.		
Brief Description about project:	It is developed like that anyone can use easily. Every user has a unique id and password so their notes stored in their account using MongoDB database. There are security feature also available in that no one can sign-in using same id.		

[Handwritten signatures]

iNotebook

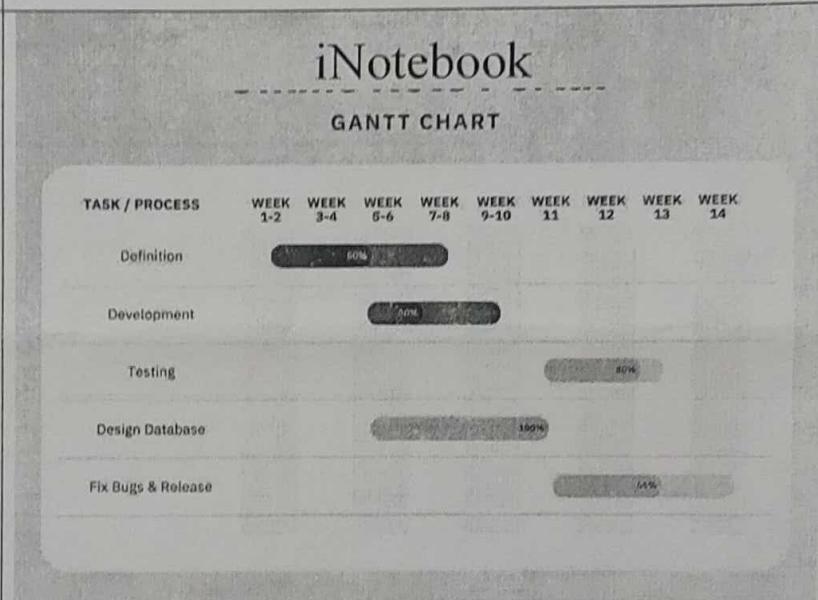


SWOT analysis chart for the Project

Project Deliverables

The project will help the user to store different types of files online and access it from different places.

Gantt chart with Project Timeline and Team Roles



Student 1 Sign

Student 2 Sign

Student 3 Sign

Assessment Rubric to evaluate Difficulty level of Project:

Criteria	Marks
Scope and Complexity	4
Technical Challenges	3
Resource Requirements	4
Quality level of Gantt Chart	5
Quality level of SWOT analysis chart	3
Innovation and Creativity	3
Total (Out of 30)	<u>22</u>

Assessment Rubric to evaluate quality of Project Problem Statement:

Criteria	Marks
Clarity of Problem Statement	4
Relevance to Project Objectives	4
Clarity of Language and Presentation	3
Overall Impression	4
Total (Out of 20)	<u>15</u>

Mentor's Comments:

Students have covered the background study & discussed, technology were clearly defined the objectives by our team capabilities.

Mentor's Sign:

16/3/2023

HOD's Sign with Comments:



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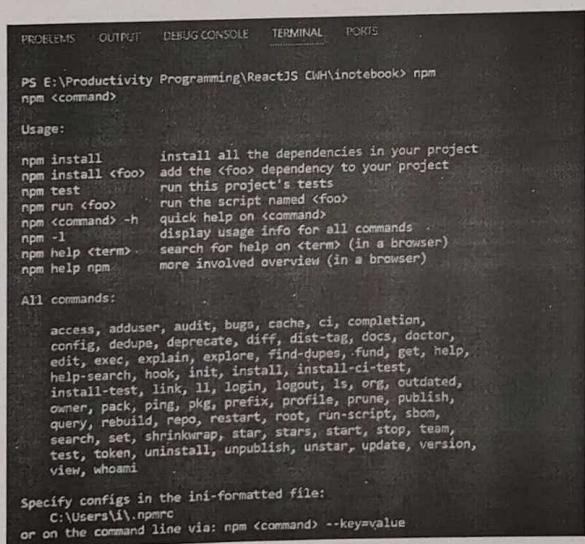
STUDENT'S WEEKLY DIARY/ WEEKLY LOG FOR Project-II

Project Group ID: DEPSTAR/CSE/Batch Name/Group ID : 7			
Week No: 3	Date	8/1/24 to 15/1/24	
Project Title: I Notebook			
Expected Outcome as per Timeline:	Finalized the definition and verify work flow with faculty and explored the technologies we will be using in our project. Setup the pc with all kind of needed technologies like react js.		
Name of Students(With Roll No)	22DCS001: Devin Aghara	22DCS017 : Vasu Faldu	22DCS043 : Rachit Manek

Work Done : (Attach Annexure of Work Done) (Along with individual contributions)

22DCS001, 22DCS017, 22DCS043

Every member is ready with the setup in individual pc. Npm setup with react app.



```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

PS E:\Productivity\Programming\ReactJS\UIH\inotebook> npm
npm <command>

Usage:
  npm install           install all the dependencies in your project
  npm install <foo>    add the <foo> dependency to your project
  npm test              run this project's tests
  npm run <foo>        run the script named <foo>
  npm <command> -h     quick help on <command>
  npm -l               display usage info for all commands
  npm help <term>      search for help on <term> (in a browser)
  npm help npm          more involved overview (in a browser)

All commands:
  access, adduser, audit, bugs, cache, ci, completion,
  config, dedupe, deprecate, diff, dist-tag, docs, doctor,
  edit, exec, explain, explore, find-dupes, fund, get, help,
  help-search, hook, init, install, install-ci-test,
  install-test, link, ll, login, logout, ls, org, outdated,
  owner, pack, ping, pkg, prefix, profile, prune, publish,
  query, rebuild, repo, restart, root, run-script, sbom,
  search, set, shrinkwrap, star, stars, start, stop, team,
  test, token, uninstall, unpublish, unstar, update, version,
  view, whoami

Specify configs in the ini-formatted file:
  C:\Users\i1\.npmrc
or on the command line via: npm <command> --key=value

```

Signatures of Students:

Devin

Rachit

Vasu

Assessment Rubric to evaluate Weekly Report:

Criteria	22DCS001	22DCS017	22DCS043
Content & Progress Overview	4	3	5
Individual Contributions	2	2	2
Issues and Challenges	2	2	2
Adherence to Schedule	3	4	3
Overall Clarity and Presentation			
Total (out of 25)	17	16	17

Mentor's Comments:

need more clarity about
individual work.

Mentor's Sign:

Nainap



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STUDENT'S WEEKLY DIARY/ WEEKLY LOG FOR Project-II

Project Group ID: DEPSTAR/CSE/Batch Name/Group ID : 7			
Week No: 4	Date	15/1/24 to 22/1/24	
Project Title: I Notebook			
Expected Outcome as per Timeline:	<ul style="list-style-type: none">Get more knowledge about Mongo DB server.How to connect with react project.		
Name of Students(With Roll No)	22DCS001: Devin Aghara	22DCS017: Vasu Faldu	22DCS043: Rachit Manek

Work Done: (Attach Annexure of Work Done) (Along with individual contributions)

22DCS001, 22DCS017, 22DCS043

Every member done with Mongo DB compass server and connect with react project.

22DCS001: He learned express that how to connect mongo server with react with local host.

The screenshot shows the MongoDB Compass interface. On the left, there's a sidebar with 'Saved connections' (containing 11 entries) and a 'Recent' section (empty). The main area has a 'New Connection' dialog. It includes fields for 'URI' (set to 'mongodb://localhost:27017/'), an 'Edit Connection String' button, and a 'FAVORITE' star icon. Below the URI field is a link to 'Advanced Connection Options'. At the bottom are 'Save' and 'Connect' buttons. To the right of the dialog is a 'How do I find my connection string in Atlas?' section with a 'CREATE FREE CLUSTER' button.

```
backend > js index.js > ...
1 const connectToMongo = require('../db');
2 const express = require('express')
3
4 connectToMongo();
5 const app = express()
6 const port = 5000
7
8 app.use(express.json())
9
10 // Available Routes
11 app.use('/api/auth', require('../routes/auth'))
12 app.use('/api/notes', require('../routes/notes'))
13
14
15 app.listen(port, () => {
16   console.log(`Example app listening at http://localhost:${port}`)
17 })
```

Signatures of Students:

Elliott

Reclit

Vesu

Assessment Rubric to evaluate Weekly Report:

Criteria	22DCS001	22DCS017	22DCS043
Content & Progress Overview	04	03	05
Individual Contributions	05	03	05
Issues and Challenges	04	03	04
Adherence to Schedule	05	04	04
Overall Clarity and Presentation	04	04	03
Total (out of 25)	22	17	24

Mentor's Comments:

→ Jack in group work,

Mentor's Sign:

Najmedd



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STUDENT'S WEEKLY DIARY/ WEEKLY LOG FOR Project-II

Project Group ID: DEPSTAR/CSE/Batch Name/Group ID : 7					
Week No: 5	Date	22/1/24 to 29/1/24			
Project Title: I Notebook					
Expected Outcome as per Timeline:	<ul style="list-style-type: none">Learned mongoose and schema for database and for calling API.				
Name of Students(With Roll No)	22DCS001: Devin Aghara	22DCS017: Vasu Faldu	22DCS043: Rachit Manek		

Work Done: (Attach Annexure of Work Done) (Along with individual contributions)

22DCS001, 22DCS017, 22DCS043

Every member done with MongoDB compass server and connect with react project.

22DCS043, 22DCS017: They created schemas and create variables in it give them data type also connect local host with json file of react project.

22DCS001: He learned what is API? How it will connect to front-end with the using of endpoints.

```
backend > models > js User.js > ...
1 const mongoose = require('mongoose');
2 const { Schema } = mongoose;
3
4 const UserSchema = new Schema({
5   name: {
6     type: String,
7     required: true
8   },
9   email: {
10    type: String,
11    required: true,
12    unique: true
13  },
14   password: {
15    type: String,
16    required: true
17  },
18   date: {
19    type: Date,
20    default: Date.now
21  },
22 });
23 const User = mongoose.model('user', UserSchema);
24 module.exports = User;
```

```
backend > models > js Notes.js > [O] NotesSchema
1 const mongoose = require('mongoose');
2 const { Schema } = mongoose;
3
4 const NotesSchema = new Schema({
5   user: {
6     type: mongoose.Schema.Types.ObjectId,
7     ref: 'user'
8   },
9   title: {
10    type: String,
11    required: true
12  },
13   description: {
14    type: String,
15    required: true,
16  },
17   tag: {
18    type: String,
19    default: "General"
20  },
21   date: {
22    type: Date,
23    default: Date.now
24  },
25});
```

Signatures of Students:

Eshin

Rochit

Vishal

Assessment Rubric to evaluate Weekly Report:

Criteria	22DCS001	22DCS017	22DCS043
Content & Progress Overview	03	03	04
Individual Contributions	04	04	04
Issues and Challenges	03	03	04
Adherence to Schedule	04	03	03
Overall Clarity and Presentation	04	02	03
Total (out of 25)	18	15	18

Mentor's Comments:

→ clarity about workflow required

Mentor's Sign:

Naima



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STUDENT'S WEEKLY DIARY/ WEEKLY LOG FOR Project-II

Project Group ID: DEPSTAR/CSE/Batch Name/Group ID : 7			
Week No: 6	Date	29/1/24 to 5/2/24	
Project Title: iNotebook			
Expected Outcome as per Timeline:	<ul style="list-style-type: none">Learned how to create route to make our API user-friendly?In our project there is main 2 routes (i) for authentication (ii) for store notes		
Name of Students(With Roll No)	22DCS001 : Devin Aghara	22DCS017 : Vasu Faldu	22DCS043 : Rachit Manek

Work Done: (Attach Annexure of Work Done) (Along with individual contributions)

22DCS001: He made end-point to get, edit, delete related endpoint. He completed 2 endpoint. One is add note with the use of Express validator which helps to validate data when user entering notes in the application.

22DCS043: He learned bcryptjs module to authenticate users. What is json web token and how it will work as salt in user id and password. He created middleware because as a middleware jsonwebtoken added in every new signup.

By this Middleware it will check after called the endpoint and check that this signup is not already signed in before.

22DCS017: He learned that how endpoint will call using thunder client in VS Code IDE. He connected both endpoint with thunder client notes collection.

```
backend > routes > js auth.js > ...
1 const express = require('express');
2 const User = require('../models/User');
3 const router = express.Router();
4 const { body, validationResult } = require('express-validator');
5 const bcrypt = require('bcryptjs');
6 const jwt = require('jsonwebtoken');
7 var fetchuser = require('../middleware/fetchuser');
8
9 const JWT_SECRET = 'iamdevinaghara@bcom';
10
```

```
const fetchuser = (req, res, next) => {
  // Get the user from the jwt token and add id to req object
  const token = req.header('auth-token');
  if (!token) {
    res.status(401).send({ error: "Please authenticate using a valid token" })
  }
  try {
    const data = jwt.verify(token, JWT_SECRET);
    req.user = data.user;
    next();
  } catch (error) {
    res.status(401).send({ error: "Please authenticate using a valid token" })
  }
}
```



Signatures of Students:

Eshin

Rachit

Vasu

Assessment Rubric to evaluate Weekly Report:

Criteria	22DCS001	22DCS017	22DCS043
Content & Progress Overview	03	03	04
Individual Contributions	04	04	04
Issues and Challenges	04	03	04
Adherence to Schedule	05	02	03
Overall Clarity and Presentation	04	03	04
Total (out of 25)	21	15	19

Mentor's Comments:

NA

Mentor's Sign:

Nainal



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STUDENT'S WEEKLY DIARY/ WEEKLY LOG FOR Project-II

Project Group ID: DEPSTAR/CSE/Batch Name/Group ID : 7			
Week No: 7	Date	5/2/24 to 12/2/24	
Project Title: I Notebook			
Expected Outcome as per Timeline:	<ul style="list-style-type: none">Continuing to create endpoint related to users and notes.		
Name of students(With Roll No)	22DCS001: Devin Aghara	22DCS017 : Vasu Faldu	22DCS043 : Rachit Manek

Work Done: (Attach Annexure of Work Done) (Along with individual contributions)

22DCS001: He created update and delete note endpoint and also show in front-end also.

22DCS043: Now after learned json web token he created sign in and login endpoint with the use of middleware.



Signatures of Students:

Ethin

Ruchit

Vusy

Assessment Rubric to evaluate Weekly Report:

Criteria	22DCS001	22DCS017	22DCS043
Content & Progress Overview	04	03	04
Individual Contributions	03	03	04
Issues and Challenges	04	04	05
Adherence to Schedule	05	03	04
Overall Clarity and Presentation	05	03	04
Total (out of 25)	21	16	21.

Mentor's Comments:

→ good

Mentor's Sign:

Nainul



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STUDENT'S WEEKLY DIARY/ WEEKLY LOG FOR Project-II

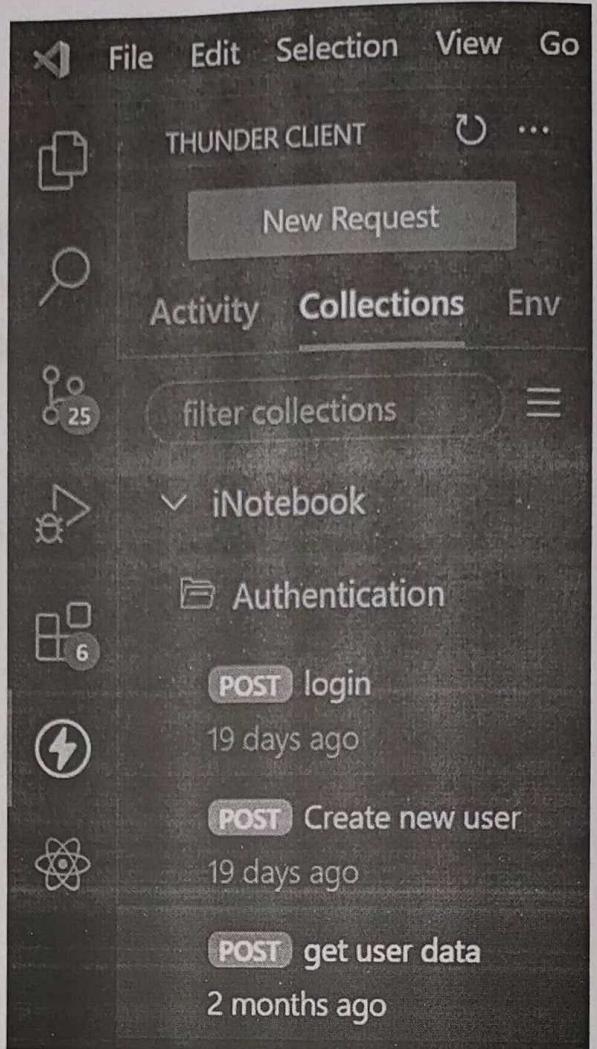
Project Group ID: DEPSTAR/CSE/Batch Name/Group ID : 7			
Week No: 8	Date	12/2/24 to 19/2/24	
Project Title: I Notebook			
Expected Outcome as per Timeline:	<ul style="list-style-type: none">Completed all endpoints.Started react app implementation.Create home, nav bar and about component and used router to redirect tab in application.		
Name of Students(With Roll No)	22DCS001: Devin Aghara	22DCS017: Vasu Faldu	22DCS043 : Rachit Manek

Work Done: (Attach Annexure of Work Done) (Along with individual contribution)

22DCS043: He completed get user data endpoint. It will work and verify with signed up data.

22DCS001: He created navbar and home component to show just functionality of application.

iNotebook Home About



Signatures of Students:

Ehsin

Rachit

Vishy

Assessment Rubric to evaluate Weekly Report:

Criteria	22DCS001	22DCS017	22DCS043
Content & Progress Overview	05	04	05
Individual Contributions	04	04	04
Issues and Challenges	05	03	04
Adherence to Schedule	05	03	05
Overall Clarity and Presentation	04	02	04
Total (out of 25)	23	16	22

Mentor's Comments:

NA

Mentor's Sign:

Malnaas



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STUDENT'S WEEKLY DIARY/ WEEKLY LOG FOR Project-II

Project Group ID: DEPSTAR/CSE/Batch Name/Group ID : 7			
Week No: 9	Date	19/2/24 to 26/2/24	
Project Title: I Notebook			
Expected Outcome as per Timeline:	<ul style="list-style-type: none">Created all required components.		
Name of Students (With Roll No)	22DCS001: Devin Aghara	22DCS017 : Vasu Faldu	22DCS043 : Rachit Manek

Work Done: (Attach Annexure of Work Done) (Along with individual contributions)

22DCS001: He created all required components which is available in below screenshot.

```
✓ src
  ✓ components
    JS About.js      U
    JS AddNote.js    U
    JS Alert.js      U
    JS Home.js       U
    JS Navbar.js     U
    JS Noteitem.js   U
    JS Notes.js      U
```

Signatures of Students:

Devin

Rachit

Vasu

Assessment Rubric to evaluate Weekly Report:

Criteria	22DCS001	22DCS017	22DCS043
Content & Progress Overview	04	04	04
Individual Contributions	05	04	04
Issues and Challenges	04	03	04
Adherence to Schedule	04	03	04
Overall Clarity and Presentation	05	04	04
Total (out of 25)	22	18	20

Mentor's Comments:

Good work.

Mentor's Sign:

Nainap

Feb 15, 2024
right

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STUDENT'S WEEKLY DIARY/ WEEKLY LOG FOR Project-II

Project Group ID: DEPSTAR/CSE/A5/26 Name/Group ID : 7					
Week No: 10	Date	4/3/24 to 11/3/24			
Project Title: I Notebook					
Expected Outcome as per Timeline:	<ul style="list-style-type: none">• Make a input form and make a connection with database				
Name of Students (With Roll No)	22DCS001: Devin Aghara	22DCS017 : Vasu Faldu	22DCS043 : Rachit Manek		

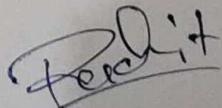
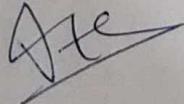
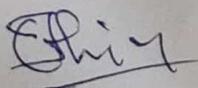
Work Done: (Attach Annexure of Work Done) (Along with individual contributions)

22DCS043 : He made input form using bootstrap and mui.

22DCS017 : He connected user input with database.

22DCS001 : debugging fetching issue with the database

Signatures of Students:



Assessment Rubric to evaluate Weekly Report:

Criteria	22DCS001	22DCS017	22DCS043
Content & Progress Overview	85	84	84
Individual Contributions	84	83	84
Issues and Challenges	83	83	84
Adherence to Schedule	85	83	83
Overall Clarity and Presentation	84	84	83
Total (out of 25)	21	17	18

Mentor's Comments:

-

Mentor's Sign:

Ncinaq



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STUDENT'S WEEKLY DIARY/ WEEKLY LOG FOR Project-II

Project Group ID: DEPSTAR/CSE/A5/26 Name/Group ID : 7					
Week No: 11	Date	11/3/24 to 18/3/24			
Project Title: I Notebook					
Expected Outcome as per Timeline:	<ul style="list-style-type: none">• Make a card to apply input on Note section				
Name of Students (With Roll No)	22DCS001: Devin Aghara	22DCS017 : Vasu Faldu	22DCS043 : Rachit Manek		

Work Done: (Attach Annexure of Work Done) (Along with individual contributions)

22DCS043 : He made a card to show just input note title and description and make a edit and delete icon.

22DCS017 : He connected entered data to card to show in note section.

22DCS001 : add connection between delete and edit with onclick function of mui framework

Signatures of Students:

Assessment Rubric to evaluate Weekly Report:

Criteria	22DCS001	22DCS017	22DCS043
Content & Progress Overview	05	04	04
Individual Contributions	05	04	04
Issues and Challenges	05	03	03
Adherence to Schedule	04	04	04
Overall Clarity and Presentation	04	04	05
Total (out of 25)	23	19	20

Mentor's Comments:

✓

Mentor's Sign:

Nainar



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STUDENT'S WEEKLY DIARY/ WEEKLY LOG FOR Project-II

Project Group ID: DEPSTAR/CSE/A5/26 Name/Group ID : 7			
Week No: 12	Date	18/3/24 to 25/3/24	
Project Title: I Notebook			
Expected Outcome as per Timeline:	<ul style="list-style-type: none">Realtime implementation on edit and delete icon with database		
Name of Students (With Roll No)	22DCS001: Devin Aghara	22DCS017 : Vasu Faldu	22DCS043 : Rachit Manek

Work Done: (Attach Annexure of Work Done) (Along with individual contributions)

22DCS001 : He connected delete and edit icon with realtime implementation. If you actioned edit icon that reflect edited note to database also.

22DCS043 , 22DCS017 : Working on designing part of web application.

Signatures of Students:

Assessment Rubric to evaluate Weekly Report:

Criteria	22DCS001	22DCS017	22DCS043
Content & Progress Overview	05	04	04
Individual Contributions	05	05	04
Issues and Challenges	05	04	04
Adherence to Schedule	04	04	03
Overall Clarity and Presentation	04	04	04
Total (out of 25)	23	21	19

Mentor's Comments:

-

Mentor's Sign:

Najrap

Faculty of Technology and Engineering
Devang Patel Institute of Advance Technology and Research (DEPSTAR)
Department of Computer Science & Engineering

STUDENT'S WEEKLY DIARY/ WEEKLY LOG FOR Project-II

Project Group ID: DEPSTAR/CSE/A5/26 ID : 7			
Week No: 13	Date	25/3/24 to 1/4/24	
Project Title: I Notebook			
Expected Outcome as per Timeline:	<ul style="list-style-type: none"> • Designing login and signup page 		
Name of Students (With Roll No)	22DCS001: Devin Aghara	22DCS017 : Vasu Faldu	22DCS043 : Rachit Manek

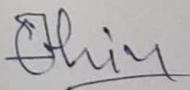
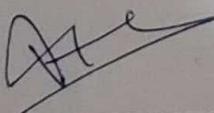
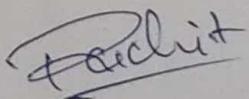
Work Done: (Attach Annexure of Work Done) (Along with individual contributions)

22DCS017 : He designed login and signup page using html, css.

22DCS001 : Import mui component

22DCS043 : Implement script on button

Signatures of Students:

Assessment Rubric to evaluate Weekly Report:

Criteria	22DCS001	22DCS017	22DCS043
Content & Progress Overview	05	04	05
Individual Contributions	04	05	04
Issues and Challenges	04	04	03
Adherence to Schedule	04	04	03
Overall Clarity and Presentation	04	04	04
Total (out of 25)	21	21	19

Mentor's Comments:

—

Mentor's Sign:

Nainap

Faculty of Technology and Engineering
Devang Patel Institute of Advance Technology and Research (DEPSTAR)
Department of Computer Science & Engineering

STUDENT'S WEEKLY DIARY/ WEEKLY LOG FOR Project-II

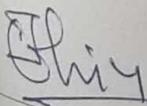
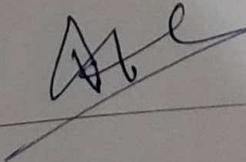
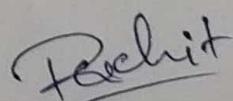
Project Group ID: DEPSTAR/CSE/A5/26 Name/Group ID : 7			
Project No: 14	Date	1/4/24 to 8/4/24	
Project Title: I Notebook			
Selected Outcome as per Timeline:	<ul style="list-style-type: none"> • Fixing Issues 		
Name of Students (with Roll No)	22DCS001: Devin Aghara	22DCS017 : Vasu Faldu	22DCS043 : Rachit Manek

Work Done: (Attach Annexure of Work Done) (Along with individual contributions)

22DCS001 : Fixing issues with fetching with database after editing and issue with delete action which didn't reflect in database.

22DCS043 , 22DCS017 : Fixing issue to redirect signup to login page after any signup.

Signatures of Students:

Assessment Rubric to evaluate Weekly Report:

Criteria	22DCS001	22DCS017	22DCS043
Content & Progress Overview	05	04	04
Individual Contributions	04	03	03
Issues and Challenges	03	04	04
Adherence to Schedule	04	04	04
Overall Clarity and Presentation	05	03	03
Total (out of 25)	21	18	18

Mentor's Comments:

—

Mentor's Sign:

Nurul



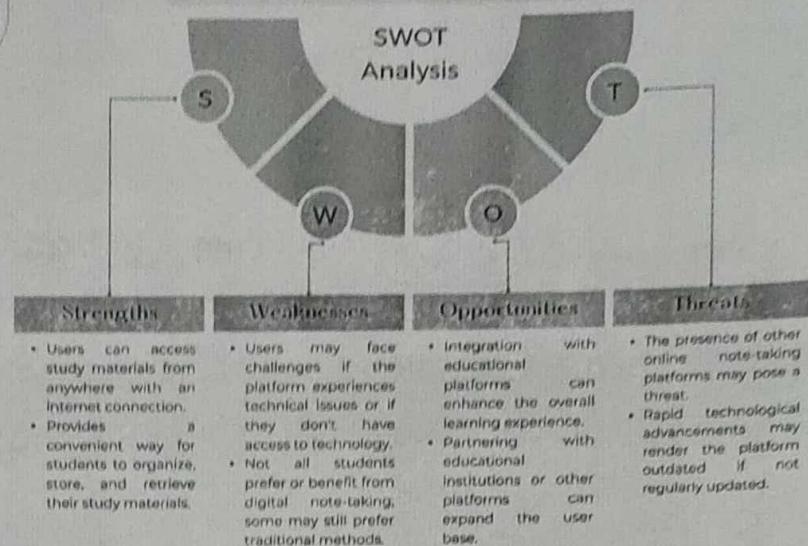
**Faculty of Technology and Engineering
Devang Patel Institute of Advance Technology and Research
Department of Computer Science & Engineering**

Project Problem Statement for Project-II

Project Group ID: DEPSTAR/CSE/A /Group ID			
Student ID:	22DCS001	22DCS017	22DCS043
Name:	Devin Aghara	Vasu Faldu	Rachit Manek
Project Title:	iNotebook		
Domain of Project Definition:	Education/Retail		
Technology/Methodologies to be used in project:	MERN Stack Development (MongoDB, ExpressJs, ReactJs, NodeJs)		
Project Objectives	To managed notes and other documents anywhere saved safely in database and it can be accessed by any devices by their id and password.		
Brief Description about project:	It is developed like that anyone can use easily. Every user has a unique id and password so their notes stored in their account using MongoDB database. There are security feature also available in that no one can sign-in using same id.		

[Handwritten signatures]

iNotebook

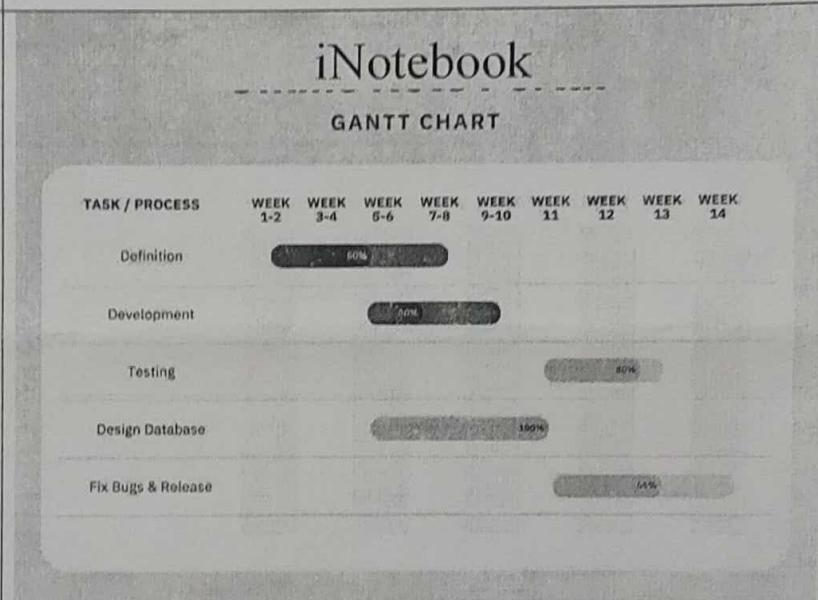


SWOT analysis chart for the Project

Project Deliverables

The project will help the user to store different types of files online and access it from different places.

Gantt chart with Project Timeline and Team Roles



Student 1 Sign

Student 2 Sign

Student 3 Sign

Assessment Rubric to evaluate Difficulty level of Project:

Criteria	Marks
Scope and Complexity	4
Technical Challenges	3
Resource Requirements	4
Quality level of Gantt Chart	5
Quality level of SWOT analysis chart	3
Innovation and Creativity	3
Total (Out of 30)	<u>22</u>

Assessment Rubric to evaluate quality of Project Problem Statement:

Criteria	Marks
Clarity of Problem Statement	4
Relevance to Project Objectives	4
Clarity of Language and Presentation	3
Overall Impression	4
Total (Out of 20)	<u>15</u>

Mentor's Comments: Students have covered the background study & discussed, technology were clearly defined the objectives of our team capabilities.

Mentor's Sign:

16/3/2023

HOD's Sign with Comments:

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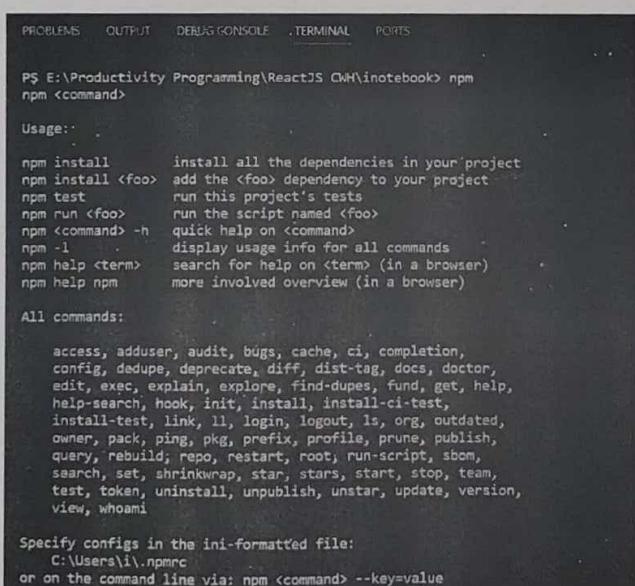
STUDENT'S WEEKLY DIARY/ WEEKLY LOG FOR Project-II

Project Group ID: DEPSTAR/CSE/Batch Name/Group ID : 7					
Week No: 3	Date	8/1/24 to 15/1/24			
Project Title: I Notebook					
Expected Outcome as per Timeline:	Finalized the definition and verify work flow with faculty and explored the technologies we will be using in our project. Setup the pc with all kind of needed technologies like react js.				
Name of Students(With Roll No)	22DCS001: Devin Aghara	22DCS017 : Vasu Faldu	22DCS043 : Rachit Manek		

Work Done :(Attach Annexure of Work Done) (Along with individual contributions)

22DCS001, 22DCS017, 22DCS043

Every member is ready with the setup in individual pc. Npm setup with react app.



```

PROBLEMS   OUTPUT   DEBUG CONSOLE   TERMINAL   PORTS

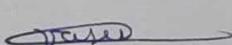
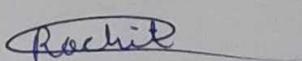
PS E:\Productivity Programming\ReactJS CWH\notebook> npm
npm <command>

Usage: ...
  npm install           install all the dependencies in your project
  npm install <foo>     add the <foo> dependency to your project
  npm test              run this project's tests
  npm run <foo>         run the script named <foo>
  npm <command> -h      quick help on <command>
  npm -l               display usage info for all commands
  npm help <term>       search for help on <term> (in a browser)
  npm help npm          more involved overview (in a browser)

All commands:
  access, adduser, audit, bugs, cache, ci, completion,
  config, dedupe, deprecate, diff, dist-tag, docs, doctor,
  edit, exec, explain, explore, find-dupes, fund, get, help,
  help-search, hook, init, install, install-ci-test,
  install-test, link, ll, login, logout, ls, org, outdated,
  owner, pack, ping, pkg, prefix, profile, prune, publish,
  query, rebuild, repo, restart, root, run-script, sbom,
  search, set, shrinkwrap, star, stars, start, stop, team,
  test, token, uninstall, unpublish, unstar, update, version,
  view, whoami

Specify configs in the ini-formatted file:
  C:\Users\i1\.npmrc
or on the command line via: npm <command> --key=value
  
```

Signatures of Students:

Assessment Rubric to evaluate Weekly Report:

Criteria	22DCS001	22DCS017	22DCS043
Content & Progress Overview	3	3	3
Individual Contributions	3	2	3
Issues and Challenges	1	1	1
Adherence to Schedule	4	4	4
Overall Clarity and Presentation	4	4	4
Total (out of 25)	<u>15</u>	<u>18</u>	<u>15</u>

Mentor's Comments: Students have started learning NLP module & started working at the scene.

Mentor's Sign:

D
16/13 Jan

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STUDENT'S WEEKLY DIARY/ WEEKLY LOG FOR Project-II

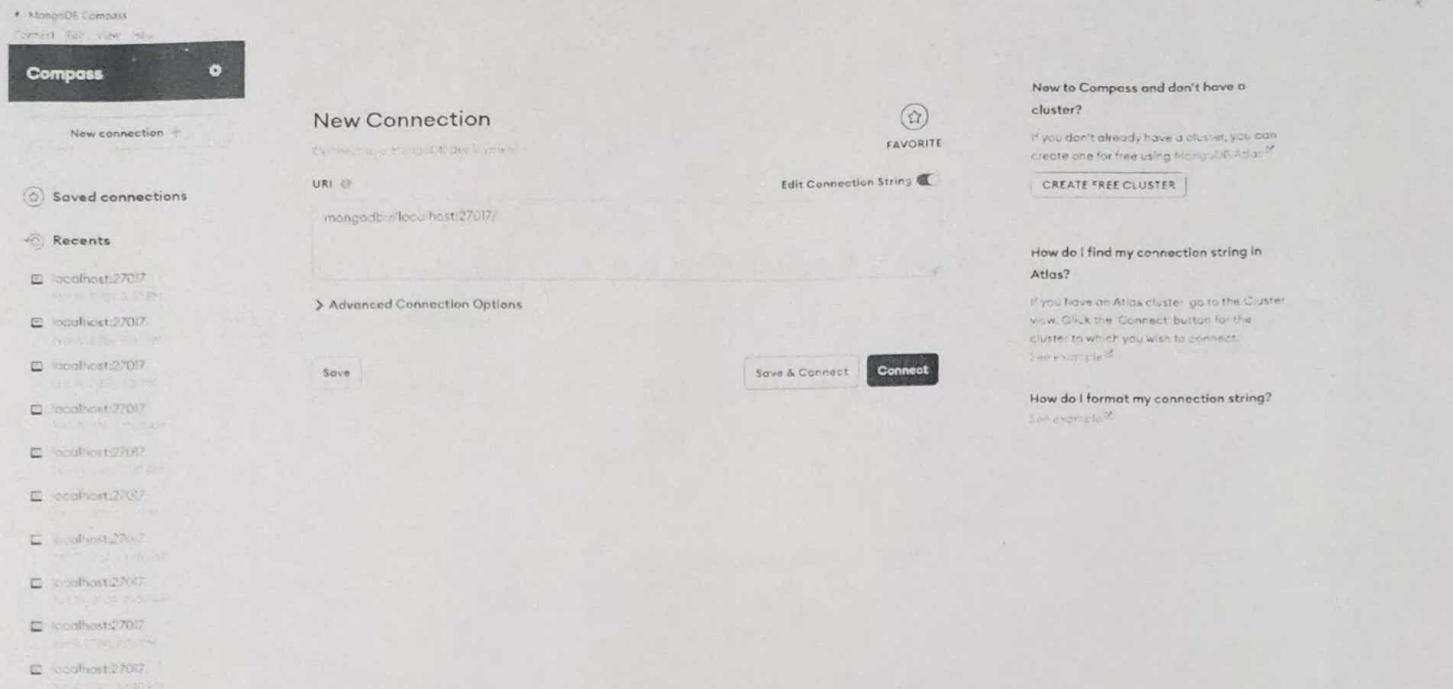
Project Group ID: DEPSTAR/CSE/Batch Name/Group ID : 7			
Week No: 4	Date	15/1/24 to 22/1/24	
Project Title: I Notebook			
Expected Outcome as per Timeline:	<ul style="list-style-type: none"> • Get more knowledge about Mongo DB server. • How to connect with react project. 		
Name of Students(With Roll No)	22DCS001: Devin Aghara	22DCS017 : Vasu Faldu	22DCS043 : Rachit Manek

Work Done: (Attach Annexure of Work Done) (Along with individual contributions)

22DCS001, 22DCS017, 22DCS043

Every member done with Mongo DB compass server and connect with react project.

22DCS001: He learned express that how to connect mongo server with react with local host.



```
backend > js index.js > ...
1  const connectToMongo = require('./db');
2  const express = require('express')
3
4  connectToMongo();
5  const app = express()
6  const port = 5000
7
8  app.use(express.json())
9
10 // Available Routes
11 app.use('/api/auth', require('../routes/auth'))
12 app.use('/api/notes', require('../routes/notes'))
13
14
15 app.listen(port, () => {
16   console.log(`Example app listening at http://localhost:${port}`)
17 })
```

Signatures of Students:

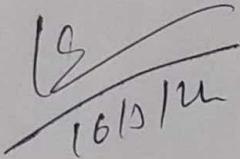
Assessment Rubric to evaluate Weekly Report:

Criteria	22DCS001	22DCS017	22DCS043
Content & Progress Overview	4	4	4
Individual Contributions	3	3	3
Issues and Challenges	2	2	2
Adherence to Schedule	4	4	4
Overall Clarity and Presentation	3	3	3
Total (out of 25)	<u>16</u>	<u>16</u>	<u>16</u>

Mentor's Comments:

Student are mostly on time and started working on configuring server.

Mentor's Sign:


16/12/22

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Department of Computer Science & Engineering

STUDENT'S WEEKLY DIARY/ WEEKLY LOG FOR Project-II

Project Group ID: DEPSTAR/CSE/Batch Name/Group ID : 7			
Week No: 5	Date	22/1/24 to 29/1/24	
Project Title: I Notebook			
Expected Outcome as per Timeline:	<ul style="list-style-type: none"> Learned mongoose and schema for database and for calling API. 		
Name of Students(With Roll No)	22DCS001: Devin Aghara	22DCS017 : Vasu Faldu	22DCS043 : Rachit Manek

Work Done: (Attach Annexure of Work Done) (Along with individual contributions)

22DCS001, 22DCS017, 22DCS043

Every member done with MongoDB compass server and connect with react project.

22DCS043, 22DCS017: They created schemas and create variables in it give them data type also connect local host with json file of react project.

22DCS001: He learned what is API? How it will connect to front-end with the using of endpoints.

```
backend > models > js > User.js
1 const mongoose = require('mongoose');
2 const { Schema } = mongoose;
3
4 const UserSchema = new Schema({
5   name: {
6     type: String,
7     required: true
8   },
9   email: {
10     type: String,
11     required: true,
12     unique: true
13   },
14   password: {
15     type: String,
16     required: true
17   },
18   date: {
19     type: Date,
20     default: Date.now
21   }
22 });
23 const User = mongoose.model('user', UserSchema);
24 module.exports = User;
```

```
backend > models > js > Note.js
1 const mongoose = require('mongoose');
2 const { Schema } = mongoose;
3
4 const NotesSchema = new Schema({
5   user: {
6     type: mongoose.Schema.Types.ObjectId,
7     ref: 'user'
8   },
9   title: {
10     type: String,
11     required: true
12   },
13   description: {
14     type: String,
15     required: true,
16   },
17   tag: {
18     type: String,
19     default: "General"
20   },
21   date: {
22     type: Date,
23     default: Date.now
24   },
25 });
```

Signatures of Students:

Dewir

Wessa

Rashid

Assessment Rubric to evaluate Weekly Report:

Criteria	22DCS001	22DCS017	22DCS043
Content & Progress Overview	2	2	2
Individual Contributions	3	3	3
Issues and Challenges	2	2	2
Adherence to Schedule	3	3	3
Overall Clarity and Presentation	9	3	2
Total (out of 25)	16	16	16

Mentor's Comments:

Students have started learning mongo-DB & its related API needed for project development.

Mentor's Sign:

AS
16/3/21

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Department of Computer Science & Engineering

STUDENT'S WEEKLY DIARY/ WEEKLY LOG FOR Project-II

Project Group ID: DEPSTAR/CSE/Batch Name/Group ID : 7					
Week No: 6	Date	29/1/24 to 5/2/24			
Project Title: iNotebook					
Expected Outcome as per Timeline:	<ul style="list-style-type: none"> Learned how to create route to make our API user-friendly? In our project there is main 2 routes (i) for authentication (ii) for store notes 				
Name of Students(With Roll No)	22DCS001 : Devin Aghara	22DCS017 : Vasu Faldu	22DCS043 : Rachit Manek		

Work Done: (Attach Annexure of Work Done) (Along with individual contributions)

22DCS001: He made end-point to get, edit, delete related endpoint. He completed 2 endpoint. One is add note with the use of Express validator which helps to validate data when user entering notes in the application.

22DCS043: He learned bryptjs module to authenticate users. What is json web token and how it will work as salt in user id and password. He created middleware because as a middleware jsonwebtoken added in every new signup.

By this Middleware it will check after called the endpoint and check that this signup is not already signed in before.

22DCS017: He learned that how endpoint will call using thunder client in VS Code IDE. He connected both endpoint with thunder client notes collection.

```

backend > routes > 'JS auth.js > ...
1 const express = require('express');
2 const User = require('../models/User');
3 const router = express.Router();
4 const { body, validationResult } = require('express-validator');
5 const bcrypt = require('bcryptjs');
6 const jwt = require('jsonwebtoken');
7 var fetchuser = require('../middleware/fetchuser');
8
9 const JWT_SECRET = 'iamdevinaghara@bcom';
10

```

```

const fetchuser = (req, res, next) => {
  // Get the user from the jwt token and add id to req object
  const token = req.header('auth-token');
  if (!token) {
    res.status(401).send({ error: "Please authenticate using a valid token" });

    try {
      const data = jwt.verify(token, JWT_SECRET);
      req.user = data.user;
      next();
    } catch (error) {
      res.status(401).send({ error: "Please authenticate using a valid token" });
    }
}

```



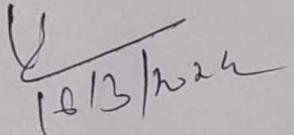
Signatures of Students:

Assessment Rubric to evaluate Weekly Report:

Criteria	22DCS001	22DCS017	22DCS043
Content & Progress Overview	5	5	5
Individual Contributions	3	1	3
Issues and Challenges	3	3	1
Adherence to Schedule	3	3	3
Overall Clarity and Presentation	5	4	4
Total (out of 25)	15	13	15

Mentor's Comments: Students are working on JSON & its applicability in project.

Mentor's Sign:


18/13/2024

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Department of Computer Science & Engineering

STUDENT'S WEEKLY DIARY/ WEEKLY LOG FOR Project-II

Project Group ID: DEPSTAR/CSE/Batch Name/Group ID : 7					
Week No: 7	Date	5/24 to 12/2/24			
Project Title: I Notebook					
Expected Outcome as per Timeline:	<ul style="list-style-type: none">Continuing to create endpoint related to users and notes.				
Name of students(With Roll No)	22DCS001: Devin Aghara	22DCS017 : Vasu Faldu	22DCS043 : Rachit Manek		

Work Done: (Attach Annexure of Work Done) (Along with individual contributions)

22DCS001: He created update and delete note endpoint and also show in front-end also.

22DCS043: Now after learned json web token he created sign in and login endpoint with the use of middleware.



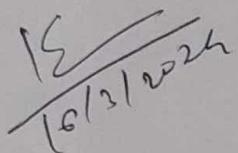
Signatures of Students:

Assessment Rubric to evaluate Weekly Report:

Criteria	22DCS001	22DCS017	22DCS043
Content & Progress Overview	2	2	2
Individual Contributions	3	1	3
Issues and Challenges	2	2	2
Adherence to Schedule	2	2	2
Overall Clarity and Presentation	3	3	3
Total (out of 25)	16	16	16

Mentor's Comments: Students are developing punctuality of login & signups for the project.

Mentor's Sign:


16/3/2024



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STUDENT'S WEEKLY DIARY/ WEEKLY LOG FOR Project-II

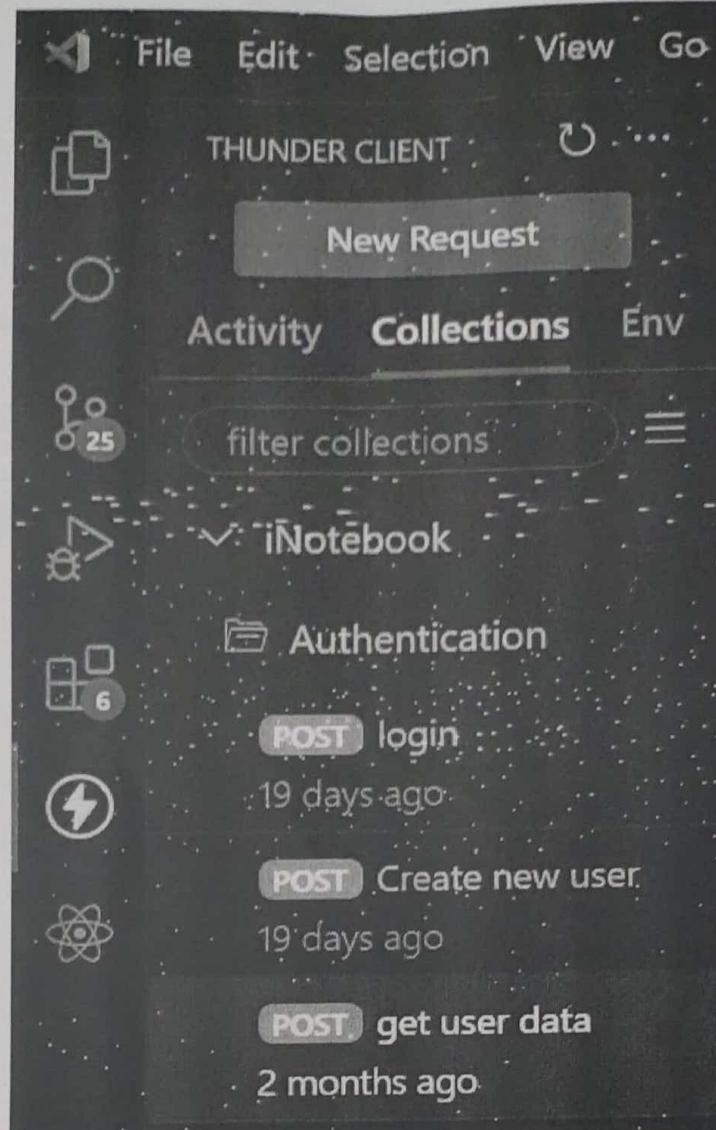
Project Group ID: DEPSTAR/CSE/Batch Name/Group ID : 7					
Week No: 8	Date	12/2/24 to 19/2/24			
Project Title: I Notebook					
Expected Outcome as per Timeline:	<ul style="list-style-type: none">Completed all endpoints.Started react app implementation.Create home, nav bar and about component and used router to redirect tab in application.				
Name of Students(With Roll No)	22DCS001: Devin Aghara	22DCS017 : Vasu Faldu	22DCS043 : Rachit Manek		

Work Done: (Attach Annexure of Work Done) (Along with individual contribution)

22DCS043: He completed get user data endpoint. It will work and verify with signed up data.

22DCS001: He created navbar and home component to show just functionality of application.

[iNotebook](#) [Home](#) [About](#)



Signatures of Students:

Dinesh

Varun

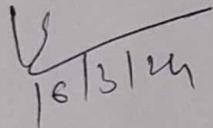
Ruchit

Assessment Rubric to evaluate Weekly Report:

Criteria	22DCS001	22DCS017	22DCS043
Content & Progress Overview	3	3	3
Individual Contributions	2	1	2
Issues and Challenges	2	1	2
Adherence to Schedule	5	4	5
Overall Clarity and Presentation	5	4	5
Total (out of 25)	<u>16</u>	<u>15</u>	<u>16</u>

Mentor's Comments: Assign more functionality in the object defined in the objectives.

Mentor's Sign:



A handwritten signature consisting of a stylized 'V' or checkmark followed by the numbers '16/3/24' written vertically below it.

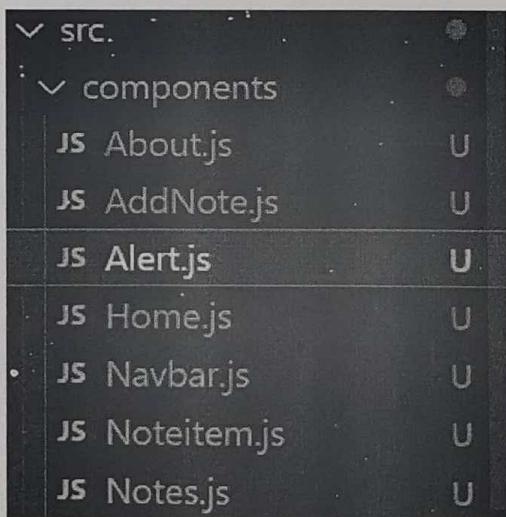
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Department of Computer Science & Engineering

STUDENT'S WEEKLY DIARY/ WEEKLY LOG FOR Project-II

Project Group ID: DEPSTAR/CSE/Batch Name/Group ID : 7			
Week No: 9	Date	19/2/24 to 26/2/24	
Project Title: I Notebook			
Expected Outcome as per Timeline:	<ul style="list-style-type: none"> Created all required components. 		
Name of Students (With Roll No)	22DCS001: Devin Aghara	22DCS017 : Vasu Faldu	22DCS043 : Rachit Manek

Work Done: (Attach Annexure of Work Done) (Along with individual contributions)

22DCS001: He created all required components which is available in below screenshot.



Signatures of Students:

Assessment Rubric to evaluate Weekly Report:

Criteria	22DCS001	22DCS017	22DCS043
Content & Progress Overview	4	5	5
Individual Contributions	3	2	3
Issues and Challenges	1	1	1
Adherence to Schedule	3	3	3
Overall Clarity and Presentation	4	4	4
Total (out of 25)	15	19	15

Mentor's Comments:

major comments / modules
have been created & implemented
in the projects.

Mentor's Sign:

9
6/3/2024



**Faculty of Technology and Engineering
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Department of Computer Science & Engineering**

STUDENT'S WEEKLY DIARY/ WEEKLY LOG FOR Project-II

Project Group ID: DEPSTAR/CSE/A5/26 Name/Group ID : 7					
Week No: 10	Date	4/3/24 to 11/3/24			
Project Title: I Notebook					
Expected Outcome as per Timeline:	<ul style="list-style-type: none">• Make a input form and make a connection with database				
Name of Students (With Roll No)	22DCS001: Devin Aghara	22DCS017 : Vasu Faldu	22DCS043 : Rachit Manek		

Work Done: (Attach Annexure of Work Done) (Along with individual contributions)

22DCS043 : He made input form using bootstrap and mui.

22DCS017 : He connected user input with database.

22DCS001 : debugging fetching issue with the database

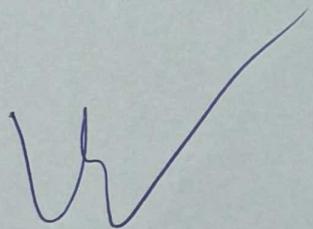
Signatures of Students:

Assessment Rubric to evaluate Weekly Report:

Criteria	22DCS001	22DCS017	22DCS043
Content & Progress Overview	3	3	3
Individual Contributions	3	3	3
Issues and Challenges	3	3	3
Adherence to Schedule	3	3	3
Overall Clarity and Presentation	3	3	3
Total (out of 25)	15	18	18

Mentor's Comments:

Mentor's Sign:

A handwritten signature consisting of a stylized 'W' shape followed by a checkmark-like flourish.

Faculty of Technology and Engineering

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Department of Computer Science & Engineering

STUDENT'S WEEKLY DIARY/ WEEKLY LOG FOR Project-II

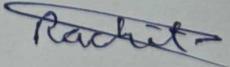
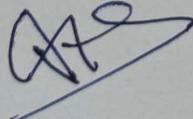
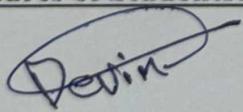
Project Group ID: DEPSTAR/CSE/A5/26 Name/Group ID : 7					
Week No: 12	Date	18/3/24 to 25/3/24			
Project Title: I Notebook					
Expected Outcome as per Timeline:	<ul style="list-style-type: none">Realtime implementation on edit and delete icon with database				
Name of Students (With Roll No)	22DCS001: Devin Aghara	22DCS017 : Vasu Faldu	22DCS043 : Rachit Manek		

Work Done: (Attach Annexure of Work Done) (Along with individual contributions)

22DCS001 : He connected delete and edit icon with realtime implementation. If you actioned edit icon that reflect edited note to database also.

22DCS043 , 22DCS017 : Working on designing part of web application.

Signatures of Students:

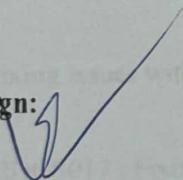


Assessment Rubric to evaluate Weekly Report:

Criteria	22DCS001	22DCS017	22DCS043
Content & Progress Overview	3	2	3
Individual Contributions	3	2	2
Issues and Challenges	2	3	3
Adherence to Schedule	2	3	3
Overall Clarity and Presentation	4	2	2
Total (out of 25)	16	9	10

Mentor's Comments:

Mentor's Sign:



**Faculty of Technology and Engineering
Devang Patel Institute of Advance Technology and Research (DEPSTAR)
Department of Computer Science & Engineering**

STUDENT'S WEEKLY DIARY/ WEEKLY LOG FOR Project-II

Project Group ID: DEPSTAR/CSE/A5/26 Name/Group ID : 7					
Week No: 11	Date	11/3/24 to 18/3/24			
Project Title: I Notebook					
Expected Outcome as per Timeline:	<ul style="list-style-type: none">• Make a card to apply input on Note section				
Name of Students (With Roll No)	22DCS001: Devin Aghara	22DCS017 : Vasu Faldu	22DCS043 : Rachit Manek		

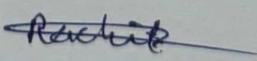
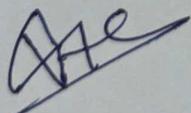
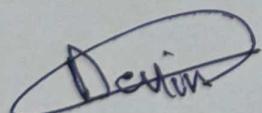
Work Done: (Attach Annexure of Work Done) (Along with individual contributions)

22DCS043 : He made a card to show just input note title and description and make a edit and delete icon.

22DCS017 : He connected entered data to card to show in note section.

22DCS001 : add connection between delete and edit with onclick function of mui framework

Signatures of Students:



Assessment Rubric to evaluate Weekly Report:

Criteria	22DCS001	22DCS017	22DCS043
Content & Progress Overview	3	3	3
Individual Contributions	3	3	3
Issues and Challenges	3	3	3
Adherence to Schedule	3	3	3
Overall Clarity and Presentation	3	3	3
Total (out of 25)	15	15	15

Mentor's Comments:

Week 1

Type - 100% completed

Feedback - None

Comments - None

Name of Student
(CSE Roll No.)

22DCS001
Devin Aghera

22DCS017
Vasu Faldu

22DCS043
Rachit Manch

Work Done (Attach Annexure of Work Done / Actions with individual contributions)

Mentor's Sign:

Vinay Sasturkar

Faculty of Technology and Engineering

Devang Patel Institute of Advance Technology and Research (DEPSTAR)

Department of Computer Science & Engineering

STUDENT'S WEEKLY DIARY/ WEEKLY LOG FOR Project-II

Project Group ID: DEPSTAR/CSE/A5/26 ID : 7					
Week No: 13	Date	25/3/24 to 1/4/24			
Project Title: I Notebook					
Expected Outcome as per Timeline:	<ul style="list-style-type: none">Designing login and signup page				
Name of Students (With Roll No)	22DCS001: Devin Aghara	22DCS017 : Vasu Faldu	22DCS043 : Rachit Manek		

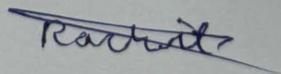
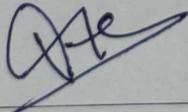
Work Done: (Attach Annexure of Work Done) (Along with individual contributions)

22DCS017 : He designed login and signup page using html, css.

22DCS001 : Import mui component

22DCS043 : Implement script on button

Signatures of Students:



Assessment Rubric to evaluate Weekly Report:

Criteria	22DCS001	22DCS017	22DCS043
Content & Progress Overview	3	3	3
Individual Contributions	3	3	3
Issues and Challenges	2	2	2
Adherence to Schedule	2	1	2
Overall Clarity and Presentation	2	1	1
Total (out of 25)	16	10	6

Mentor's Comments:

Good job, I like it.

Content Overview
Individual Contributions
Issues and Challenges
Adherence to Schedule

Name of Student: 22DCS001
Name: Kevin Aguirre

22DCS017
Name: Vasek Polak

22DCS043
Name: Rachit Manohar

Week Ending 10/18/2017 - Week 11 of 11 Along with individual contributions

22DCS001: Understood how and why people use blind, can

Mentor's Sign:

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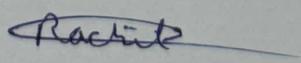
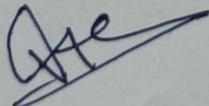
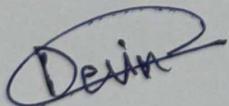
Project Group ID: DEPSTAR/CSE/A5/26 Name/Group ID : 7					
Week No: 14	Date	1/4/24 to 8/4/24			
Project Title: I Notebook					
Expected Outcome as per Timeline:	<ul style="list-style-type: none">Fixing Issues				
Name of Students (With Roll No)	22DCS001: Devin Aghara	22DCS017 : Vasu Faldu	22DCS043 : Rachit Manek		

Work Done: (Attach Annexure of Work Done) (Along with individual contributions)

22DCS001 : Fixing issues with fetching with database after editing and issue with delete action which didn't reflect to database.

22DCS043 , 22DCS017 : Fixing issue to redirect signup to login page after any signup.

Signatures of Students:



Assessment Rubric to evaluate Weekly Report:

Criteria	22DCS001	22DCS017	22DCS043
Content & Progress Overview	7		
Individual Contributions	3		4
Issues and Challenges	5	4	3
Adherence to Schedule	3	3	4
Overall Clarity and Presentation	3	3	3
Total (out of 25)	17	11	12

Mentor's Comments:

Name of Student: 22DCS001
Name of Mentor: Devin Agrawal

22DCS017
Vasu Faldu

22DCS043
Rachit Mehta

Overall Assessment: Average of Work Done (Along with individual contributions)

Mentor's Sign: ✓