

❖ Project Description:

- The Student Study Portal is a web application developed using Django, Bootstrap 4.6, HTML, CSS, and JavaScript. The portal is intended to provide students with a full platform for managing their tasks, taking notes, keeping up with the latest tech news, exploring book summaries, performing quick calculations, and discovering inspirational quotes. To ensure safety and a personalized experience, the project uses Django's default user authentication system. Users can view the portal, but to access its features, they must log in. Creating an account is a required step in getting authenticated. It's a convenient study partner for different students. This user-friendly portal improves the study experience by combining modern technology with a simple and easy-to-use design, including Bootstrap cards that neatly display multiple apps within the portal.

❖ Technology used:

- ✓ Backend: Django
- ✓ Frontend: Bootstrap 4.6, HTML, CSS, JavaScript
- ✓ APIs: NewsAPI for tech news, qoutable.io API for motivational quotes
- ✓ Database:sqlite3

❖ Features of Student Study Portal:

1. User authentication system:

- Utilizes Django's default authentication system for secure user management.
- Supports user registration, login, and logout functionalities.

Register page: The register view validates user input, checks for existing usernames or emails, enforces a minimum password length of 8 characters, and creates a new user if all criteria are met.

STUDENT STUDY PORTAL

Home Login/Signup

Register

Firstname
rakesh

Lastname
sharma

Email Address
rakesh1@gmail.com

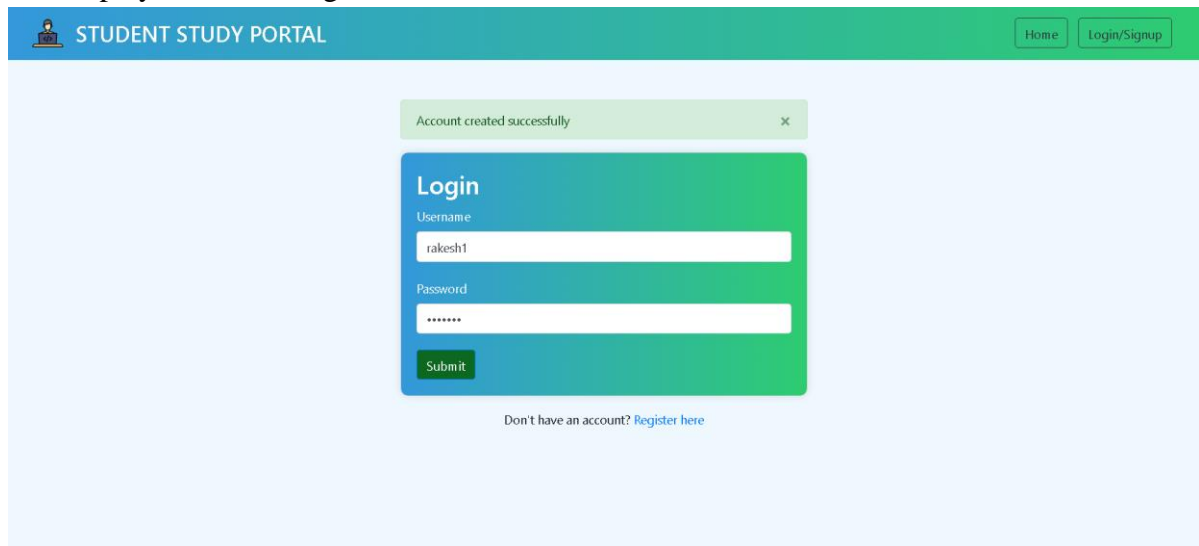
Username
rakesh1

Password

Submit Cancel

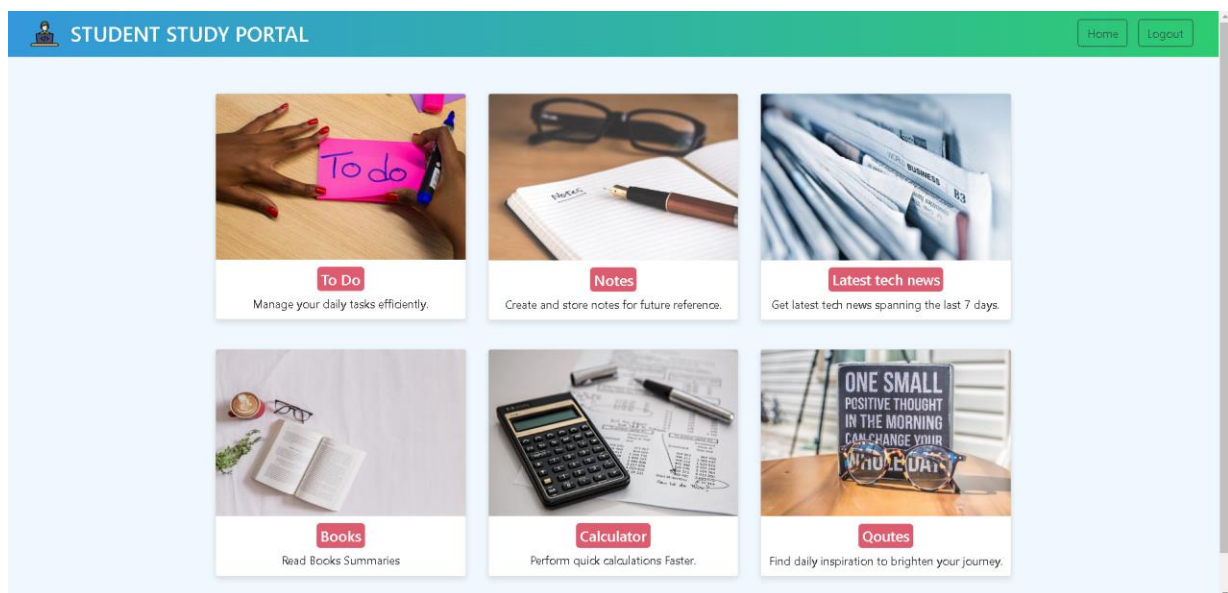
Already have an account? [login here](#)

Login page: The login view authenticates users, handles redirection for authenticated users, and displays error messages for invalid credentials or form submissions.




The screenshot shows the 'STUDENT STUDY PORTAL' header with a user icon and navigation links for 'Home' and 'Login/Signup'. A green success message at the top states 'Account created successfully'. The central 'Login' form includes fields for 'Username' (containing 'rakesh1') and 'Password' (masked with dots), followed by a 'Submit' button. A link for 'Register here' is provided below the form.

Home page: Home page is visible to user before the login but to access its features, they must log in.









2. Todo:

- The Todo feature lets students easily create, read, update, and delete tasks.
- An easy interface makes marking tasks complete and simple and gives a sense of accomplishment.
- Deleting all tasks is an option for users who want a fresh start.

 STUDENT STUDY PORTAL Home Logout


Todo List

SN.	Title	Description	Status	Actions
1	DJANGO PROJECT	complete django project before jan 31	Mark as Incomplete	 
2	DSA PROJECT	complete dsa project within jan 30.	Mark as Complete	 
3	INNOVATION	study for 3 hour from 3 to 6pm.	Mark as Complete	 

Create Todo Delete All

3. Notes:

- Notes functionality has a simple system for students to organize notes with crud functionalities.
- Bootstrap cards make notes easy to use and look at.



 STUDENT STUDY PORTAL Home Logout

Notes

WEB IMP QUESTION



Imp question

1. forms INPUT tag
2. Explain tables in detail.
3. Explain frames in HTML.
4. What is CSS? Different types of CSS.
5. Alert boxes in JavaScript
6. What is a web server and web browser?
7. Working of the image tag with an example
8. The role of JavaScript in web development.

DSA IMP QUESTION

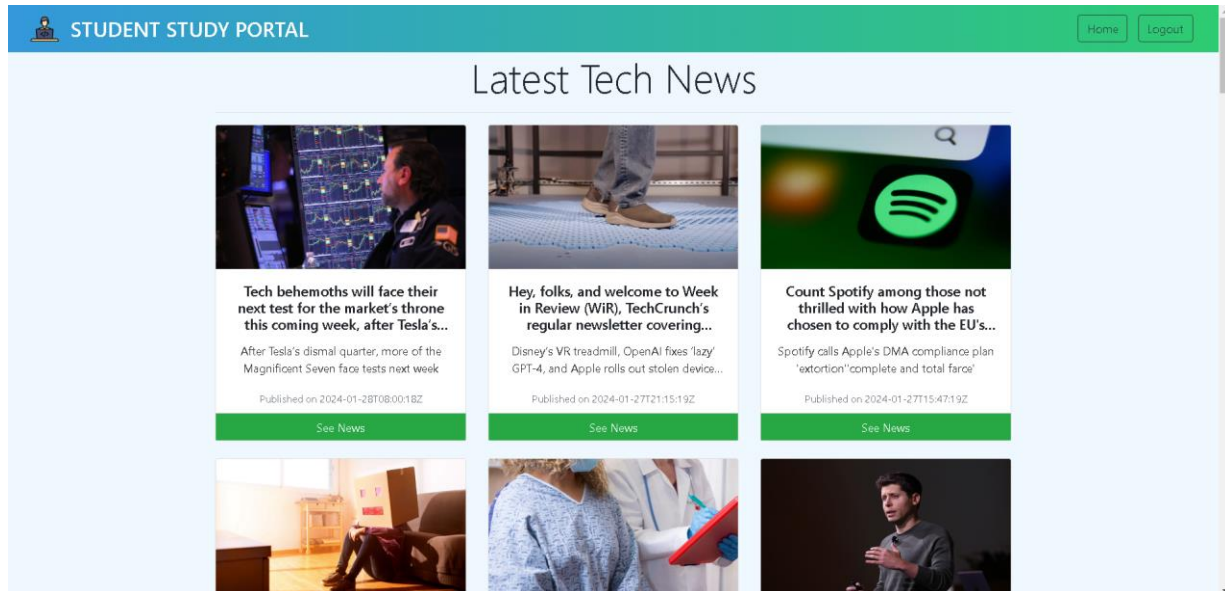
- 1.Explain Binary Search Algorithm in details with its pseudocode.
- 2.. Mention the advantages of Linked List over array.
3. Write the working mechanism of Linear Search.
4. Explain the condition where hashing behave same as Linear search.
5. Explain Linked list briefly.
6. A linked list is a linear data structure. Draw structural diagram of Linked list with explanation.
7. Explain the operation of Stack in detail.

Create a new notes

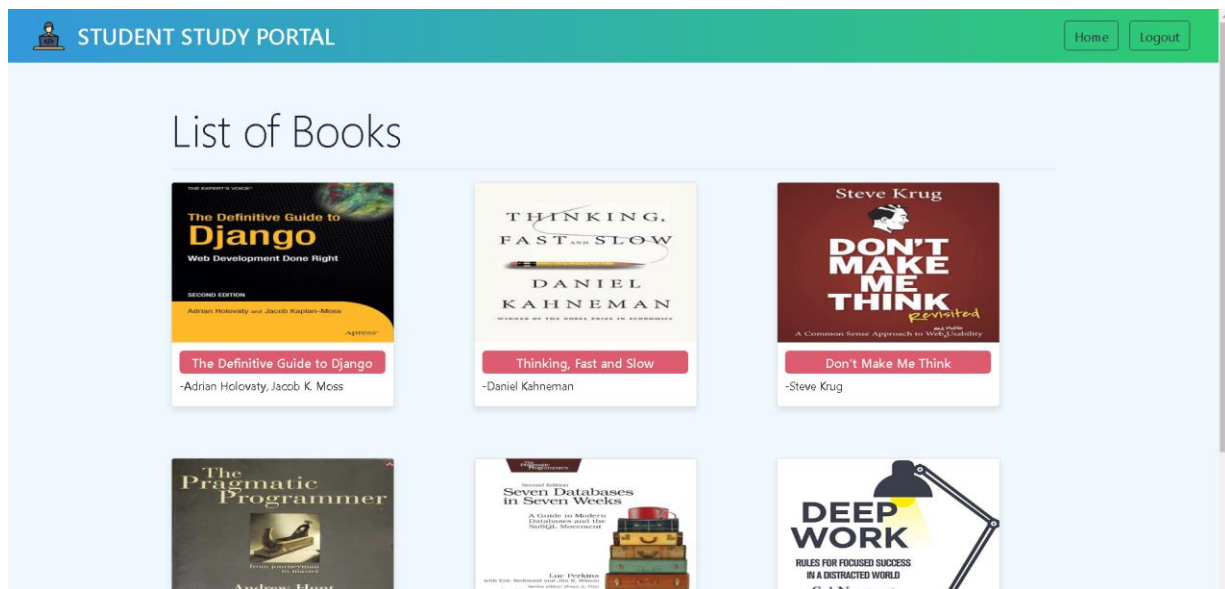
4. Latest Tech News:


- Integration with NewsAPI ensures students get real-time updates on the latest tech news.
- It shows news from the past week to keep information relevant.



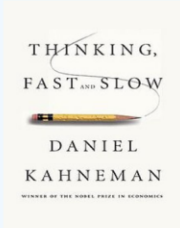
5. Books:

- The Books feature lets admins add books and short summaries using default Django's admin capabilities.
- Users can access an available list of books with concise summaries for efficient study.



 STUDENT STUDY PORTAL

HomeLogout



Thinking, Fast and Slow

-Daniel Kahneman

"Thinking, Fast and Slow" by Daniel Kahneman is a groundbreaking exploration into the two systems that shape the way we think—System 1, which operates quickly and intuitively, and System 2, which is slower and more deliberate. As a Nobel laureate in Economics, Kahneman delves into the cognitive biases and errors that influence decision-making. Drawing on decades of research, he provides insights into human behavior, decision processes, and the psychology of judgment. This compelling book offers readers a fascinating journey through the complexities of the mind, revealing how our thought processes impact everything from personal choices to major life decisions.

[Show Summary](#)

Introduction: Navigating the Landscape of Thought

In the vast landscape of the human mind, Kahneman poses a thought-provoking question that sets the tone for the exploration ahead. As we venture into the pages of "Thinking, Fast and Slow," we are invited to contemplate the critical decisions we make and the underlying processes that govern our thinking. The introduction underscores the practical relevance of understanding the complexities of cognition, establishing a foundation for the profound insights to come.

Part I: Two Systems - Unveiling the Dual Nature of Thought


The journey begins by unraveling the dual systems of thought that shape our understanding of the world. System 1, swift and intuitive, contrasts with the deliberate and logical System 2. Kahneman lays the groundwork for comprehending how these systems interact, influence our perceptions, and contribute to the intricate tapestry of decision-making.

Part II: Heuristics and Biases - Navigating Mental Shortcuts

The exploration deepens as we delve into the realm of heuristics, mental shortcuts, and biases that mold our decision-making processes. The author sheds light on phenomena such as the Law of Small Numbers and the

6. Calculator:

- A quick and user-friendly calculator in the portal helps students with basic math operations such as addition, subtraction, division, multiplication, and modulus.
- Using form input makes the calculator easy to use.

 STUDENT STUDY PORTAL

HomeLogout

Quick Calculator

First Number:

Expression:

Second Number:

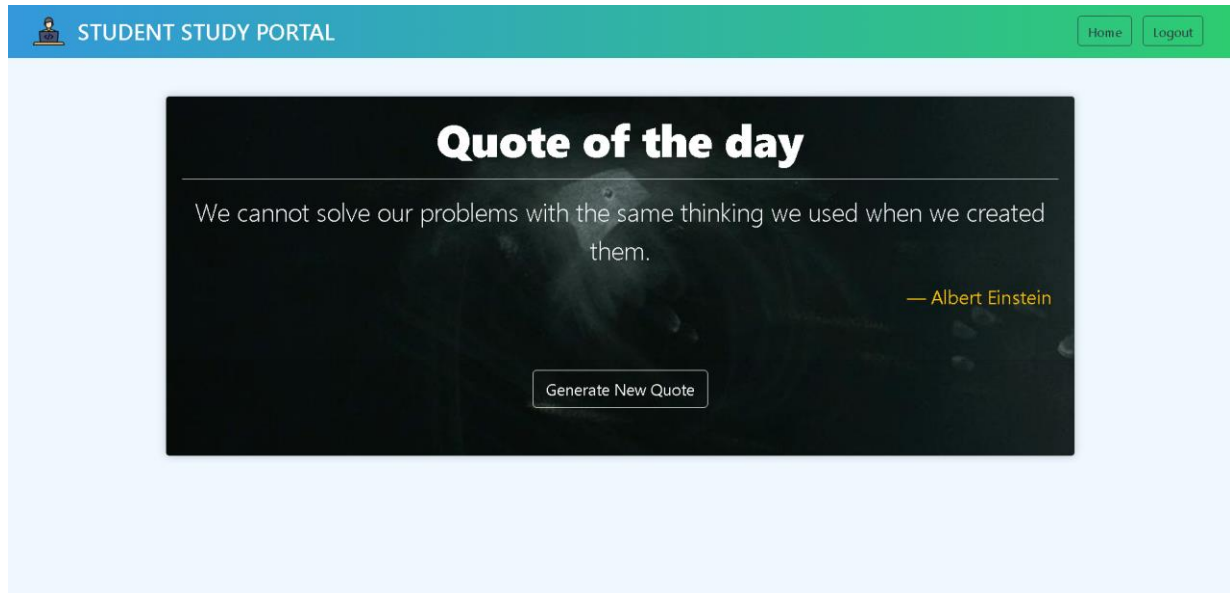
Calculate

Result: 12561242361.00

Calculation successful

7. Quotes:

- The Quotes feature motivates students with inspirational quotes.
- Clicking "Generate New Quote" fetches new quotes using the qoutable.io API .



❖ The problem it solves:

- **Problem:** Students often struggle with getting things done, wasting time, and not managing their time well. Remembering to do tasks regularly, keeping good notes, and staying motivated can be tough. Staying up to date on important tech news is critical in today's fast-changing market. Students frequently find it difficult to find the time to read full books in the fast-paced world of today. As a result, many now favor summarized book versions. Students frequently face situations that require quick calculations without the convenience of complex tools or apps. The need for a straightforward and rapid solution to perform simple calculations is a common requirement in various academic scenarios.
- **Solution:** The Student Study Portal helps with all these challenges. It puts together tasks, notes, tech news, book summaries, a quick calculator, and daily motivational quotes in one place. This makes it easier for students to get their work done, build good study habits, and avoid wasting time. The motivational quotes keep a positive mindset, and the tech news keeps students informed about the latest happenings. Being able to quickly check book summaries helps in learning, and the calculator makes simple math easier. With all these tools in one spot, the portal makes studying more organized and helps students learn better.

❖ **Project link:**

<https://drive.google.com/file/d/1M259HUIBoPPHeY6iZODTluC4rmTSjyJf/view?usp=sharing>