SE Group 89:- Simplii V 5.0
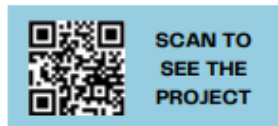
Names:- Tanay shah (tshah6)
Aayush brahambhatt (abrahmb)
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Project Repository Link: https://github.com/aayushbrahmbhatt/Simplii

Updated Poster:

NC STATE UNIVERSITY

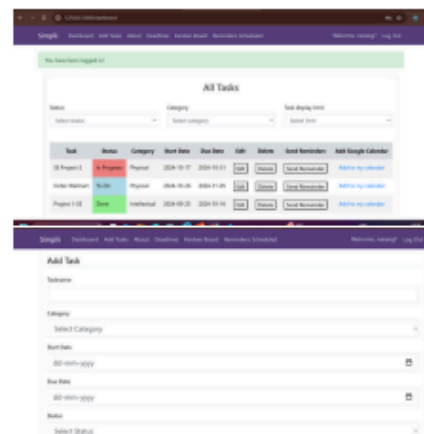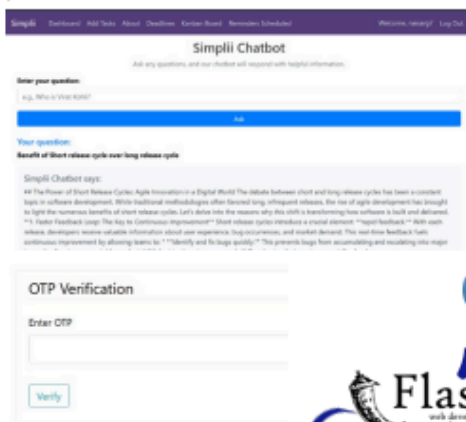## SIMPLII 5.0

SCAN TO SEE THE PROJECT

INTRODUCTION

Simplii 5.0 is a versatile task management application designed to enhance productivity and streamline task organization. Available on both web and Android platforms, Simplii 5.0 offers a seamless user experience that helps individuals manage tasks efficiently. Whether you're juggling multiple responsibilities or keeping track of a few to-dos, Simplii's intuitive and user-friendly interface makes it accessible to all, regardless of age or technical proficiency. With Simplii, users can easily manage tasks with features like **Multi-User Login**, allowing for quick switching between accounts. Tasks can be categorized, enabling users to add, update, and track their progress effortlessly. Additionally, Simplii prioritizes tasks based on deadlines, ensuring that users stay focused on what's most urgent. The application also offers **Email Reminders**, ensuring deadlines are never missed. Users can schedule reminders and receive timely notifications to stay on top of their responsibilities. For a more visual approach to task management, Simplii includes a **Kanban View**, which allows users to visualize their tasks and progress. It also includes a **Chatbot** to answer the issues or questions that the user might have. This, combined with the ability to schedule reminders, makes Simplii a powerful tool for both individuals and teams looking to organize their workflow effectively.

50+ Automated Test Cases with a code coverage of 82%

WORKFLOW

The workflow in Simplii involves several key steps to ensure efficient task management. Users start by registering and creating accounts, allowing them to securely store their data. Once logged in, they can add, edit, and track tasks using an intuitive dashboard. Simplii helps users stay on top of their deadlines with reminder notifications and an ordered deadline page, ensuring that no task is overlooked. Tasks can also be filtered based on priority, and users can visualize their progress through a Kanban board format. Additionally, Simplii offers seamless integration with Google Calendar, allowing tasks to be synced and organized efficiently across platforms.

Simplii Chatbot

OTP Verification

Enter OTP

Verify

Improvements and additions:

1. Email verification using OTP: For confirming the validity of the email address provided by the user when creating a new account. and making the process more secure than it was previously.
2. Simplii Chatbot: Included a chatbot for providing help to the user regarding problems they might have by letting the chatbot accept any questions that it can answer.
3. Incorporated Google Calendar: We have added a functionality where the due date for the task can be synced with google calendar so that the deadlines can be shown in the user's Calendar
4. Fixed bugs that crashed the main dashboard page in the code that we had gotten from the previous ones and improved so that it never happens again..
5. Automated test cases from scratch as they were not previously there.

Future Scopes:

1. Retain History: While the chatbot answers all and any questions it can be improved by making it remember the history (i.e. remembering previous question and storing them)
2. Give the user more sorting options to make their task management simpler and reduce time even more than it already is being reduced.
3. User Interface Improvements: Refine the UI to make it more intuitive and visually appealing, enhancing the overall user experience.

Flask
web development, one drop at a time

HTML CSS JS

Group 89

Tanay Shah
Naisarg Shah
Ayush Brahmbhat

Mongo DB

SCAN FOR THE DEMO

Notes	evidence	Rate

Workload is spread over the whole team	https://github.com/aayushbrahmbhatt/Simplii/pulse	3
Number of commits:	Tanay:15 Aayush:25 Naisarg:10	2
Issues Created : Issues Ongoing: Issues Closed:	7 0 7	2
Documentation of Functionalities added: Docs: what: point descriptions of each class/function (in isolation)	https://github.com/aayushbrahmbhatt/Simplii/tree/main/docs	3
Docs: how: for common use cases X,Y,Z mini-tutorials showing worked examples on how to do X,Y,Z	https://github.com/aayushbrahmbhatt/Simplii/tree/main/docs	3
Docs: why: docs tell a story, motivate the whole thing, deliver a punchline that makes you want to rush out and use the thing	New Functionalities Added in Simplii 5.0: 1. Email Verification via OTP - Validates email addresses during account	3

creation, enhancing security.

2. Simplii Chatbot - Provides user support by addressing questions and issues within the app.

3. Google Calendar Integration - Syncs task due dates with Google Calendar, making deadline tracking easier.

4.UI Improvements - Enhances the interface to improve user experience and navigation.

5. Dashboard Bug Fixes- Resolves prior bugs to prevent crashes and ensure smooth operation.

6. Automated Test Cases- Introduces 50+ automated tests with an 82% code coverage to boost reliability.

Use Cases:

- Task Management: Organize, prioritize, and track tasks with an intuitive dashboard and deadline reminders.

- Multi-User Functionality: Swiftly switch between accounts, enabling efficient multi-user management.

- Visual Task Tracking: Utilize the Kanban board for a clear view of task progress.

- Deadline Syncing: Keep up with tasks by syncing due dates to Google Calendar.

Motivating Quote:

"Stay organized, stay productive. Simplii your life, and let nothing slip through the cracks!"

Docs: short video, animated, hosted on your repo. That convinces people why they want to work on your code.	https://drive.google.com/drive/folders/1Uv4MQh86eXIrWM1m2iXTEQg0EJBMHDBA?usp=drive_link	2
Use of version control tools	Git hub	3
Test cases exist	Yes, manual test cases + automated using github workflows and pytest https://github.com/aayushbrahmbhatt/Simplii/blob/main/.github/workflows/test.yml	3
Test cases are routinely executed	Executed during every commits	1
Issues are discussed before they are closed	even if you discuss in slack, need a sumamry statement here	2
Chat channel: exists	https://github.com/aayushbrahmbhatt/Simplii/discussions/7	2

Test cases: a large proportion of the issues related to handling failing cases.	If a test case fails, open an issue and fix it	3
Evidence that the whole team is using the same tools: everyone can get to all tools and files	https://github.com/aayushbrahmbhatt/Simplii	3
Evidence that the whole team is using the same tools (e.g. config files in the repo, updated by lots of different people)	https://github.com/aayushbrahmbhatt/Simplii	3
Evidence that the whole team is using the same tools (e.g. tutor can ask anyone to share screen, they demonstrate the system running on their computer)	https://github.com/aayushbrahmbhatt/Simplii	3
Evidence that the members of the team are working across multiple places in the code base	https://github.com/aayushbrahmbhatt/Simplii/commits/main/	3
Short release cycles	(hard to see in short projects) project members are committing often enough so that everyone can get your work	2
The file .gitignore lists what files should not be saved to the repo. See [examples]i(https://github.com/github/gitignore)	https://github.com/aayushbrahmbhatt/Simplii/blob/main/.gitignore	2

The file INSTALL.md lists how to install the code	https://github.com/aayushbrahmbhatt/Simplii/blob/main/installation_guide.md	3
The file LICENSE.md lists rules of usage for this repo	https://github.com/aayushbrahmbhatt/Simplii/blob/main/LICENSE	3
The file CODE-OF-CONDUCT.md lists rules of behavior for this repo; e.g. see example	https://github.com/aayushbrahmbhatt/Simplii/blob/main/CODE_OF_CONDUCT.md	2
The file CONTRIBUTING.md lists coding standards and lots of tips on how to extend the system without screwing things up; e.g. see example	https://github.com/aayushbrahmbhatt/Simplii/blob/main/CONTRIBUTING.md	2
The file README.md contains all the following	https://github.com/aayushbrahmbhatt/Simplii/blob/main/README.md	3
Video	https://drive.google.com/drive/folders/1Uv4MQh86eXIrWM1m2iXTEQg0EJBMHDBA?usp=drive_link	3

DOI badge: exists. To get a Digitial Object Indentifier, regiser the project at [Zenodo](). DOI badges look like this:	https://drive.google.com/drive/folders/1Uv4MQh86eXIrWM1m2iXTEQg0EJBMHDBA?usp=drive_link	1
Badges showing your style checkers	config files in GH showing your config, badges in README	2
Badges showing your code formatters.	config files in GH showing your this formatter's config, badges in README	3
Badges showing your syntax checkers.	config files iin GH showing this checker's config, badges in README	2
Badges showing your code coverage tools	config files in GH, badges in README	2
Badges showing any other Other automated analysis tools	config files in GH, badges in README	3

Total rating - 78