

ProductivityPal

A web-based Pomodoro timer

Team Members:

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Abstract:

Pomodoro is a web-based timer designed to help users stay focused and productive while working or studying. The Pomodoro technique is a time-management method that uses a timer to break down work into intervals, traditionally 25 minutes in length, separated by short breaks. Pomodoro will offer a simple and intuitive interface that will enable users to quickly start and stop the timer, customize the size of work and break intervals, and track their progress. Additionally, ProductivityPal offers categorizing tasks that we plan to focus on. These tasks include coding, gym time, research, and swimming schedule. This application can be used to track all the activities which can be used to improve their productivity by focusing on areas that need growth.

Introduction:

Effective time management, sustaining focus, and productivity can be difficult in today's fast-paced society. To maximize our work habits and produce better results given the many demands and distractions vying for our attention, it's imperative to have efficient time management practices in place. The ProductivityPal Technique is one such method that we have developed to overcome this productivity challenge.

ProductivityPal is an efficient tool for having a systematic routine to track the day to activities and measure one's productivity. Our tool has options to add various customizable daily tasks and track time for each of these tasks. The data history collected from these tasks is used to generate daily and weekly reports.

Features:

- Customizable timer with adjustable focus time.
- Each objective or assignment has its own session history and progress log.
- Add customizable objectives and tasks.
- Customised graphs are displayed where the user can track the over-all progress as well as individual task progress for a certain time period.

- User data in the database to display their specific tasks and store related data.
- Validations on Signup/login pages and on tasks.

Artifacts:

React.js for front-end development
Firebase for back-end development.

Timelines:

Week 1: In the initial week we worked individually on various tasks. Srivennala has created the React application and worked on the back-end integration of Firebase. Chaitanya has worked on creating components like custom buttons, and inputs which are the basis of creating login and signup pages. Rahul has worked on the UI of creating login and signup pages.

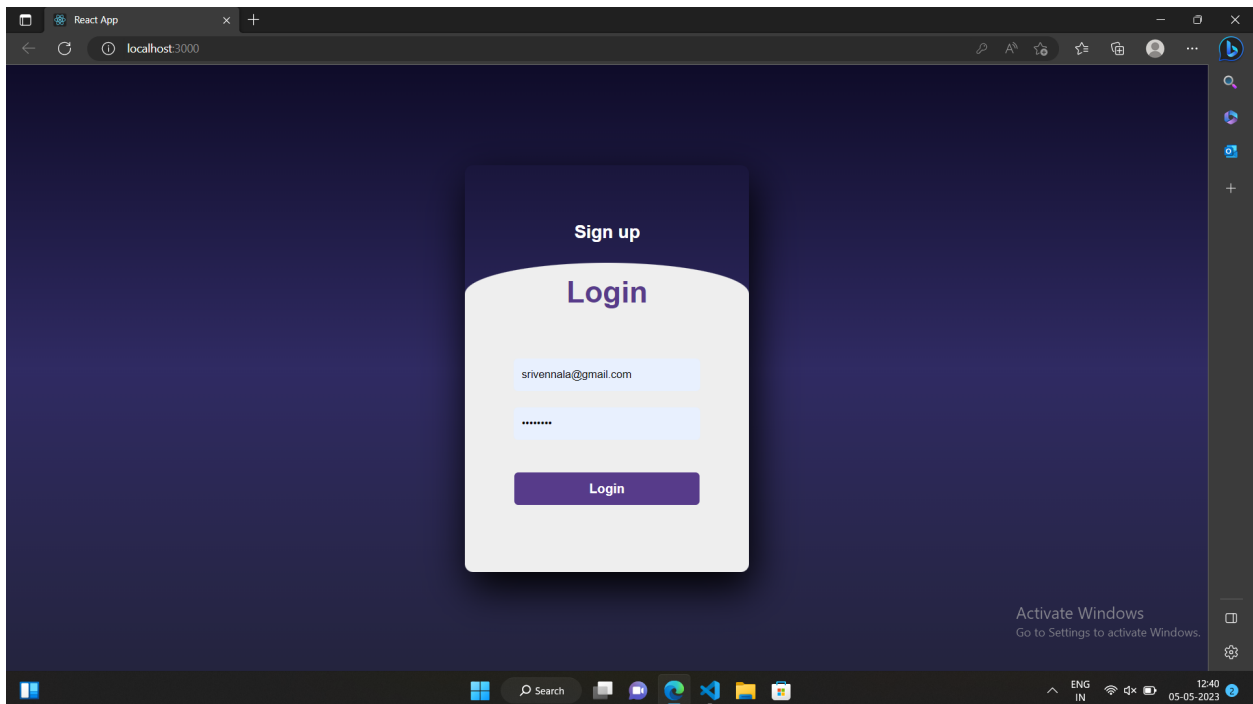
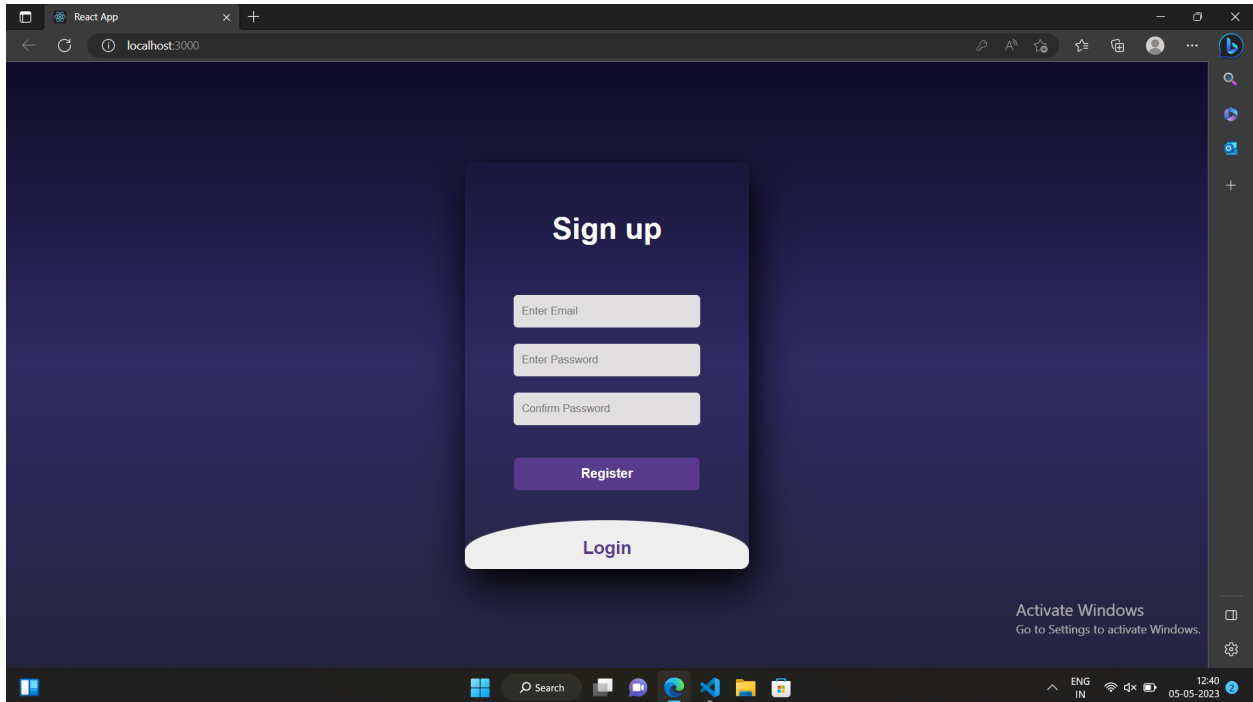
Week 2: In the second week Srivennala worked on creating collections in Firebase to store user data and performed user-specific operations like adding, editing, removing, and listing the tasks and had created. Chaitanya has worked on adding the dashboard features for the UI add, edit, and remove buttons, she has also added a feature to enter customizable tasks. Rahul has worked on integrating the dashboard into the back end along with creating dialogs for add or edit tasks.

Week 3: In this week we all have worked on creating data to test our functionalities. Srivennala has added a new file for the operation of the records that store the duration of each task with timestamps. Chaitanya has added charts to display the statistics of each task and also display customizable graphs. Rahul has worked on styling the dashboard specifically for task tiles.

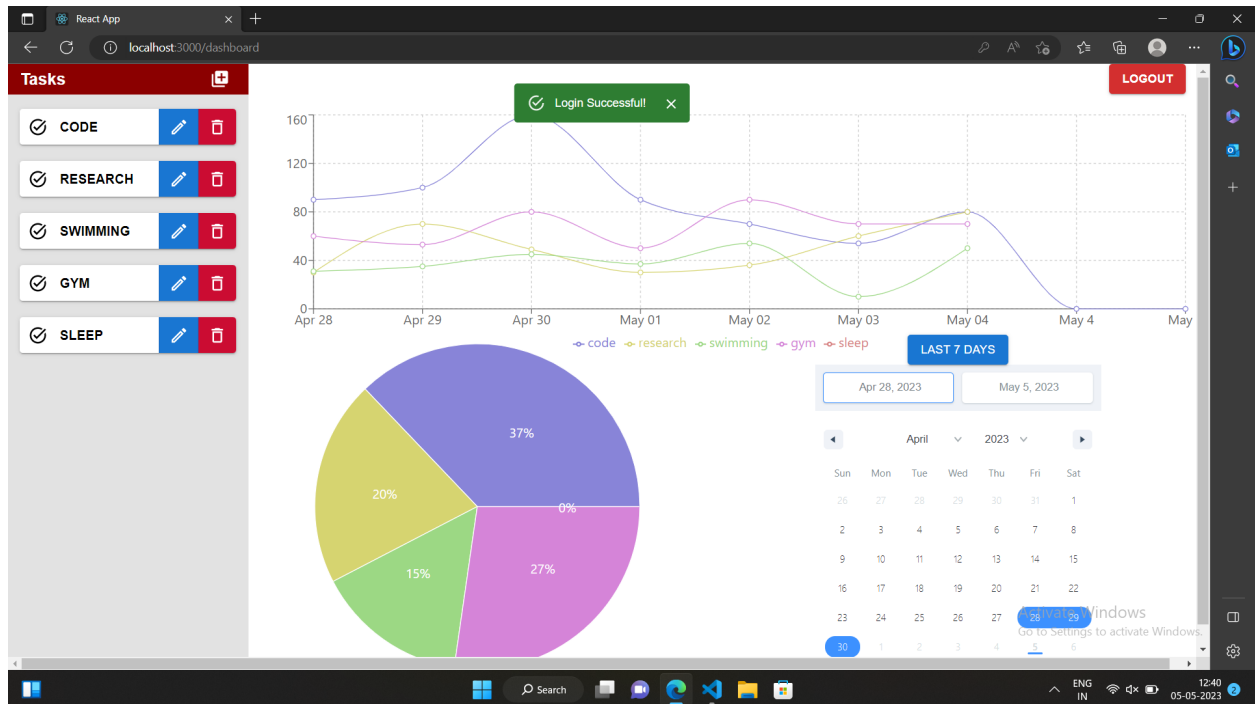
Week 4: In the final phase of the project, we worked on validations, UI designing and database optimizations. Chaitanya worked on styling the login/signup pages and validating them. Srivennala worked on displaying the error/success messages and few optimisations on the database. Rahul added a pie chart which displays the time spent on each task in a more user friendly format.

Screenshots:

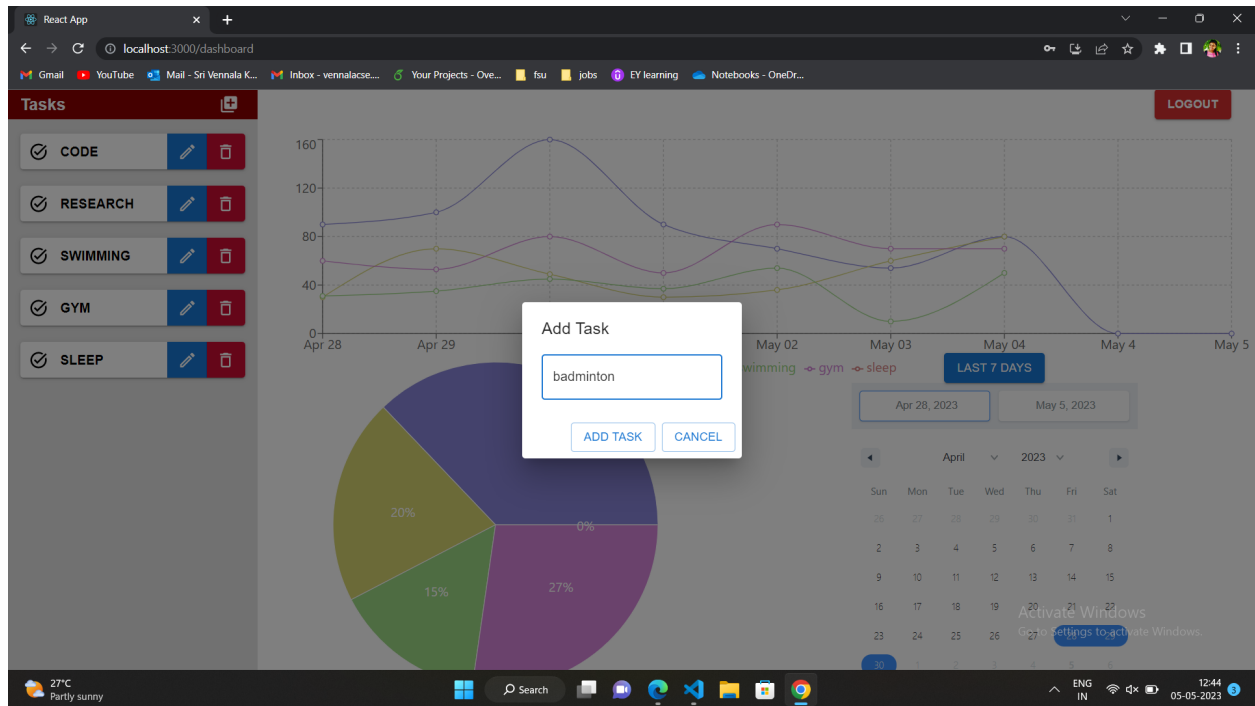
Upon starting the application this page is displayed to user where they can login if an existing user or signup if not registered.



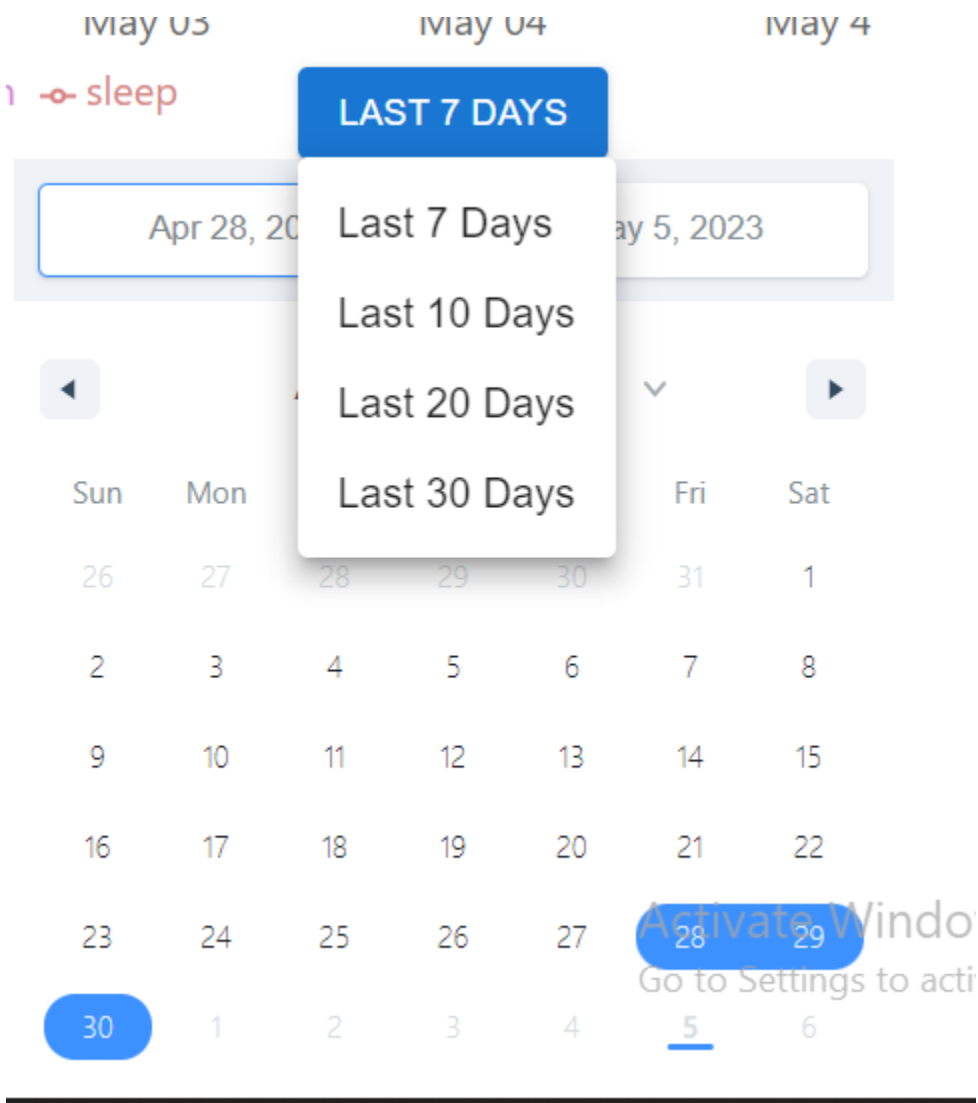
Upon successful login a message will be shown to the user and they will be navigated to the dashboard.



When a user wants to add a new task the below screen is displayed.



Date picker is provided for choosing dates to get the report.



Future Enhancements:

In this project we have achieved the desired functionality that we proposed to build. While developing our team collectively thought about a few enhancements which can be done to improve the user accessibility there in increasing their overall productivity. We built a web application but this can also be designed as a mobile app which will be more user friendly. If a user is working on a task for an extended period of time we can share alerts to remind them to take a break and relax and then come back to focus on the task they are working on. If a user works on specific tasks in a fixed time then we can

provide them with an option to automatically start the timer and stop it after the mentioned time is done.

Conclusion:

Overall, ProductivityPal is a web application that has the potential to help users improve their productivity and manage their time effectively. With its customizable timer and progress tracking, ProductivityPal will be a valuable tool for students, professionals, and anyone who wants to stay focused and achieve their goals. The tool aims to provide valuable insights, practical guidance, and evidence-based information to help individuals and organizations leverage this time management method for enhanced focus, productivity, and success in their endeavors.

GITHUB Repository:

https://github.com/Srivennala-Kandibedala/productivity_pal

YOUTUBE LINK:

<https://youtu.be/qdln0UC1uUQ>