
Team Project

for

App description

By Team 23-22

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Login details

Account: admin

Password: ?98Nm'@}d(LgcWue

Password is generated by the password generator.

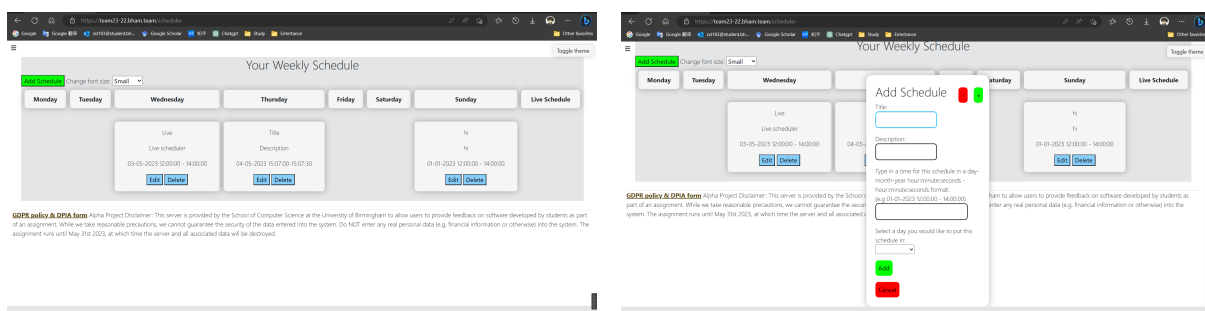
Please type it out into login screen as copying and pasting does not work sometimes

App Description

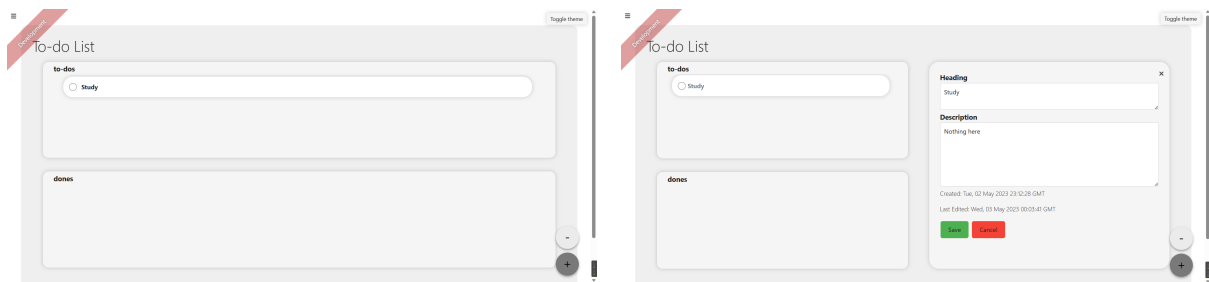
The Time Management web application offers a user-centric and highly accessible experience through its intuitive web front end, compatible with standard browsers. Designed to optimize productivity, the application enables users to manage their time effectively by organizing tasks, setting reminders, and visualizing their schedule with ease. The responsive design ensures a seamless experience across various devices, while the clean layout and straightforward navigation allow users to effortlessly access all essential functions.

Comprising seven powerful features - Scheduler, Todo-List, Anti-Procrastination, Alarm, Diary, Email Notifications, and History - the application is specifically tailored to help users gain control over their time management. This comprehensive solution empowers users to achieve their goals and make the most of their time.

The scheduler feature allows the user to add personal schedules to the table with date and times. This helps the user keep track of what they want to do and when, which is a great way for the user to plan out their schedules and stick to them. The user can edit these schedules titles and descriptions and delete the schedules if they wish to. It also displays a separate "live schedule" that keeps track of schedules in the table, and when it's time for a certain schedule, it will display it in the live schedule, and when the schedule ends, it will no longer display that schedule, and this is especially useful for the user so they know what to be doing at the current time.

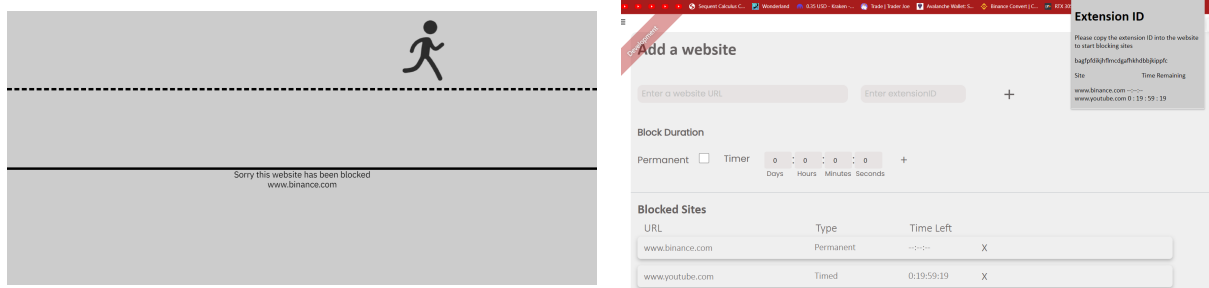


Todo List is a very daily and brief function. Users can add to-do items, and then click the circle in front to switch to done items whenever they are finished. At the same time, click on the name of a to-do item to display its detail window. Each item can be edited in detail, and the user can modify the heading and description to help memorize the to-do item. At the same time, the creation time and last modification time of each to-do item will be recorded. The interface is simple, the windows can be opened and closed smoothly, and the simplest functions are used to give users the most comfortable experience.

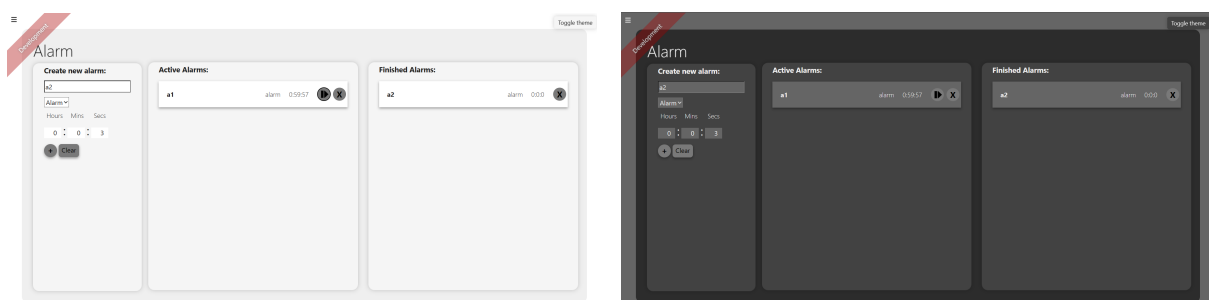


Users can choose whether they want these website restrictions to be temporary or permanent via the Anti Procrastination feature, which enables users to block websites they may find distracting in order to help them focus on their work. Whenever a user tries to access a site on their blocked list, the HTML of the website will be replaced with the HTML present in the Content.js of the Chrome extension. When a user returns to the Procrast website, the timers reset themselves, which means that they continue to count down even after the user departs. The user can decide if they want to remove a block easily by just clicking a button next to the link allowing them to access that website again.

The User can visualise currently active blocks by just clicking on the Chrome extension, which will display the Users Extension ID required in order for the extension to work and the blocked websites the user currently has. The Anti Procrastination feature is unfortunately only exclusive to Google Chrome users

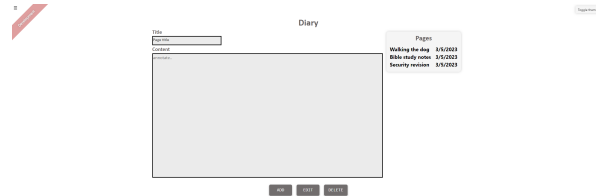
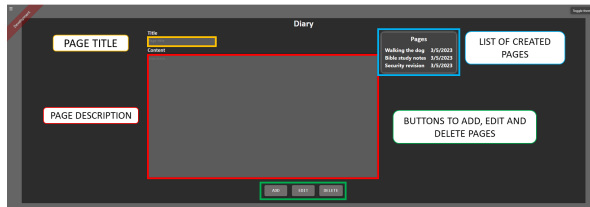


The alarm/timer feature provides users with a tool to manage their time and stay focused on their tasks. The user is greeted with a user-friendly interface that allows them to easily add alarms or timers based on their needs. When adding an alarm or timer, users can specify the alarm name, choose between an alarm or timer type (which determines whether it counts up or down), and set the desired time. The alarms and timers are used by the user to stay focused on their tasks and therefore increase their productivity.



The diary feature is a simple note-taking software. The diary feature was designed to act as

a digital writing tool to help students annotate and store all sorts of information, from personal blogs to secret passwords to remember. The feature is very intuitive and simple to use, it is designed as a form for simplicity and doesn't rely on other features to work. It has 2 textboxes one for the title of the page and one for its description (the content), 3 buttons one to add pages to the database, one to edit pages and one to delete pages, and 1 window to show all the pages currently stored in the database. The feature also accommodates night mode.



The Notification system is a user-friendly tool that helps improve productivity. With it, you can view your email list without switching to your Gmail account. When a to-do item is completed or a new URL is blocked, you'll receive an email notification in your actual email address, which can also be viewed in our simplified inbox feature. The inbox feature provides you with different ways to manage your emails. You can sort them by date, delete them one by one, or select multiple emails and delete them all at once. With these features, you can keep your inbox clean and organized, making it easier to stay on top of important information. In summary, our Notification system and inbox feature make managing your emails a breeze

Date	Sender	Subject	Action
April 26, 2023	antprocrastapp@gmail.com	Task Completed	<button>delete</button>
March 14, 2023	antprocrastapp@gmail.com	New URL blocked	<button>delete</button>
April 12, 2023	antprocrastapp@gmail.com	Task Completed	<button>delete</button>
April 8, 2023	antprocrastapp@gmail.com	New URL blocked	<button>delete</button>
April 18, 2023	antprocrastapp@gmail.com	Task Completed	<button>delete</button>

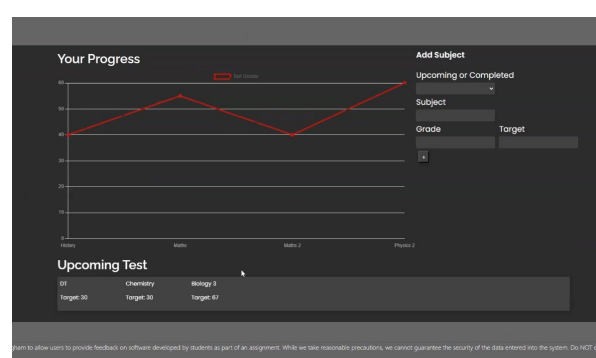
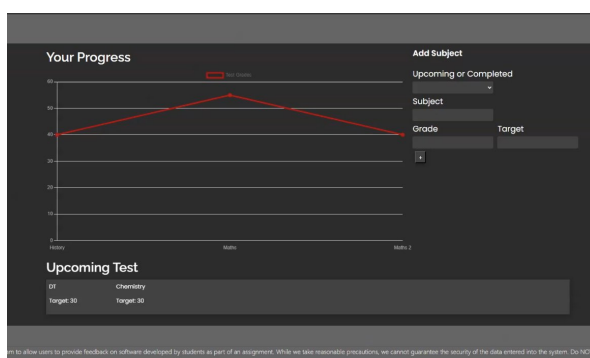
Task Completed
 From: antprocrastapp@gmail.com
 Sent: April 26, 2023

The following to-do item has been completed:
 The Task Completed
 Description: Work on latest features of the team project and attend the team meeting at 12:00 pm
 Due Date: April 26, 2023
 Thank you for using our application!

close

Email Inbox				<button>Sort by Date</button>	<button>Delete Selected</button>
Date	Sender	Subject	Action		
<input type="checkbox"/>	April 26, 2023	antprocrastapp@gmail.com	Task Completed	<button>delete</button>	
<input type="checkbox"/>	March 14, 2023	antprocrastapp@gmail.com	New URL blocked	<button>delete</button>	
<input type="checkbox"/>	April 12, 2023	antprocrastapp@gmail.com	Task Completed	<button>delete</button>	
<input type="checkbox"/>	April 8, 2023	antprocrastapp@gmail.com	New URL blocked	<button>delete</button>	
<input type="checkbox"/>	April 18, 2023	antprocrastapp@gmail.com	Task Completed	<button>delete</button>	

The history page is modern and user friendly function and is designed to help users keep track of their test scores and targets,. The graph allows users to visualize their progress over time, by allowing them to add their own test subject and corresponding test scores to the graph. Users can also add their upcoming test and targets and then see their target scores for upcoming tests on dedicated display, helping them stay focused on where they need to improve.



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Basic level of sophistication	Description
Have a web front end accessible from a standard browser	The Time Management app features a user-friendly interface, accessible via standard browsers, ensuring seamless interaction across devices and easy access to essential functions.
Store some user-specific state in a database	All the data includes both user and administrator are stored in the mysql database in the provided VM
Include a relevant GDPR privacy policy for all personal information	The GDPR privacy policy is shown in https://team23-22.bham.team/GDPR-policy&DPIAForm
Use the given git repository for version control - team members must submit their own code via their own user account	The team employs the provided git repository for version control, ensuring each member submits code via individual accounts, promoting collaboration and streamlined development. The domain of the gitlab repository is https://git.cs.bham.ac.uk/team-projects-2022-23/team23-22
Use a CI/CD pipeline - we have provided an example pipeline and skeleton app	The app utilizes a CI/CD pipeline, automating the integration and deployment process, resulting in faster, more reliable releases and easier maintenance. 
The app should be deployed and accessible publicly - we have provided a VM for this purpose	The app is deployed on a provided VM(amazon-VM), allowing public access, ensuring users can conveniently access the platform's features from any location. 
Use a domain https:// (encrypted) and disallow http:// (plain text) requests	The app employs HTTPS to encrypt data transmission, enhancing security and privacy, while disallowing plain-text HTTP requests to prevent data breaches. The domain is https://team23-22.bham.team
Implement features using “vertical slicing”	Features are developed using vertical slicing, allowing end-to-end functionality for each feature(frontend, backend and database), streamlining the development process and facilitating incremental improvements. 

Advanced Sophistication	Description
Use complex APIs or libraries to implement useful features	<p>To block websites, our application uses a Chrome extension that has an external message listener to check if a site has being added/removed from feature list. It uses Chrome Storage API to store site on users chrome local Storage list. When site is run and is on list, extension blocks it.</p> <p>To allow the App to send email notification when a to-do item has been marked as done or when a new URL has been blocked, a gmail account with external permission was requiered, the smpt credential were added to the application.yml files and an API called "MailService" was created.</p>
Integrate with existing systems or services	<p>In our feature, we created a line graph using Chart.js, TypeScript, HTML, and CSS to display test subjects and their corresponding grades. We began by importing the Chart.js library and arranging my data as an array of objects with the topic name and the appropriate grade. We then built a new instance of the Chart object using JavaScript, supplying the canvas element and the data as parameters. We completed this after adding a canvas element to the HTML file. After that, We customised the chart's title, legend, and axes. Finally, We utilised CSS to embellish the chart as needed. The end result was a graph that was both aesthetically beautiful and instructive and effectively highlighted the relationship between test subjects and grades.</p>
Demonstrate creativity and flair in the features implemented	<p>In addition to basic time management features like a scheduler and to-do list, our app includes an anti-procrastination feature designed to help users stay focused on tasks by blocking access to distracting websites. Users can customize the list of websites they want to block, ensuring that they are not disturbed by these sites during work or study. Furthermore, the anti-procrastination feature has an option to set time periods, allowing users to block these websites within specific timeframes, thus achieving more efficient time management.</p>
Look aesthetically pleasing, with a clear visual identity and relevant URL	<p>The app boasts a clean, sleek design, incorporating elements such as rounded borders for a visually appealing and modern look. Smooth transition animations contribute to a comfortable user experience, making navigation between various features seamless and intuitive. Additionally, the app includes a well-implemented dark mode, perfect for use in low-light environments, which can be activated with a smooth transitioning effect between light and dark themes.</p>