A.M.V.A Study

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Mr. Baez - Period 5
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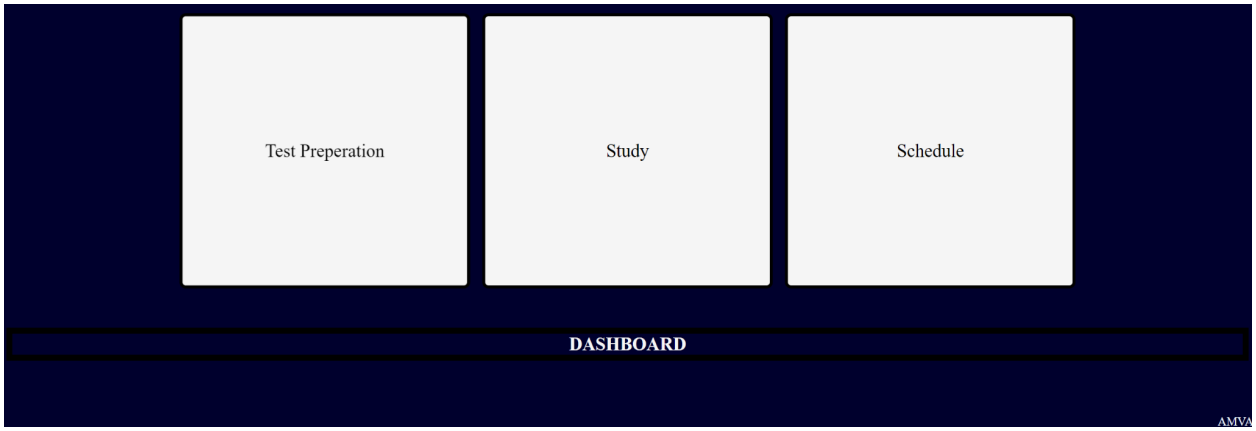
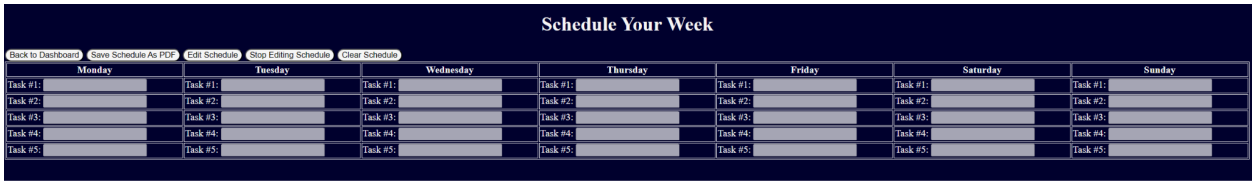




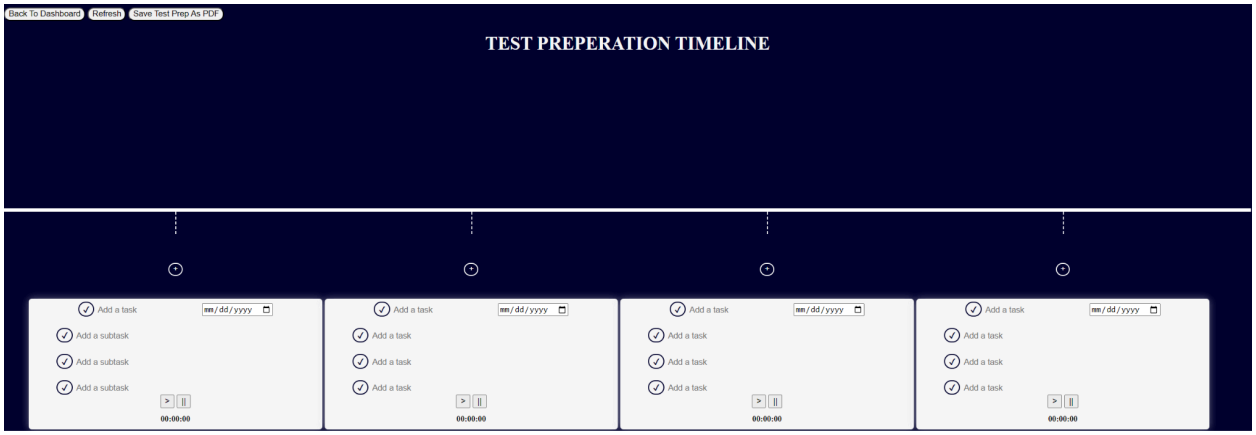


Table Of Contents

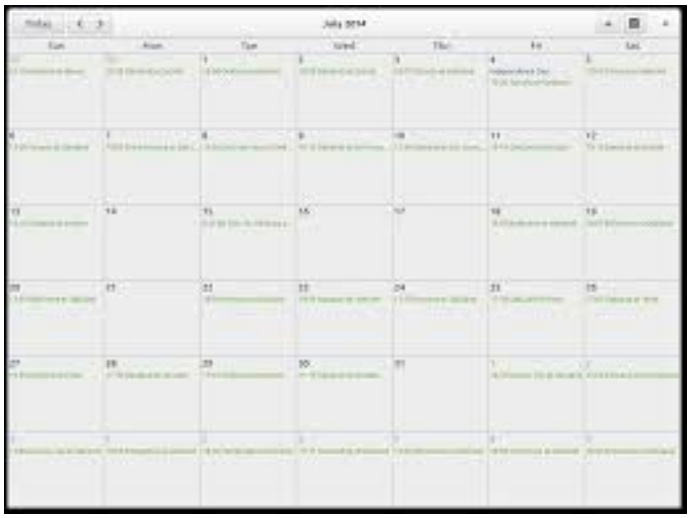
1) Title Page
2) Table Of Contents
3) Problem Description
4) Research Summary
5) Solution Summary
6) Product Evaluation
7) Arshan - Key Contributors Pages
8) Aditya - Key Contributors Pages
9) Mihir - Key Contributors Pages
10) Vish - Key Contributors Pages
11) References

Problem Description

The problem that our group is trying to solve is the fact that many students in school don't have a way to prepare for future exams or projects nor a way to time manage their schedule. There are many students in the world who have many missing assignments and can't keep up with school. This severely affects their mental health because they will constantly be thinking about what needs to be done, which would cause more stress. We are trying to target students in any grade level. These students need some way to easily manage their week, time for assignments, and prepare for upcoming tests and projects. Our team's intentions are to make an app that provides a user-friendly way to simply save schedules onto their computer, prepare for specific deadlines, and time manage their work while listening to calm music. We wanted to make three different sections to our app, the schedule page, study page, and test prep page. These pages could be accessed by the main page, the dashboard.

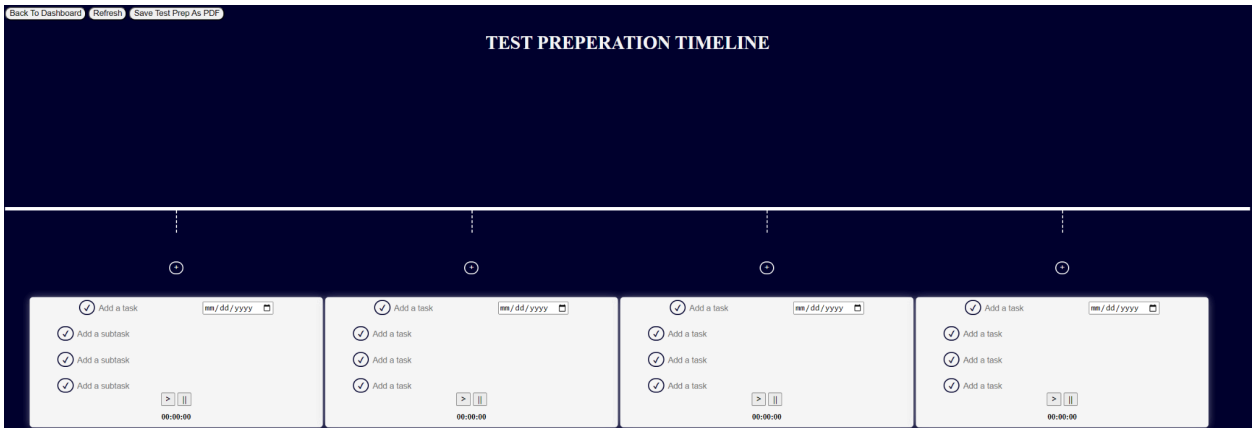
Research Summary

The background of our idea consists of helping the user schedule their week, time manage their work, and prepare for specific tasks. Additionally, we want to make our app very user-friendly so that it would be a good experience for them. A lot of these features come from current and past solutions to this problem. One current apps that help with scheduling weeks, months, and more include Calendly, Google Calendar. Some other solutions towards time management and listening to calm music include Spotify, Youtube Music, Timers and Stopwatches on the Google Browser. We incorporated all of these features into our app, so that the user can access all the main components to benefit them at school. The early digital calendars arrived on personal computers in the 1980s and 1990s. Later on in the 1990s and early 2000s, Personal Digital Assistants (PDAs), such as Palm Pilot began to gain popularity because they featured calendar applications. Microsoft Outlook was introduced in 1997 and became one of the most popular email clients, and it provided a robust calendar feature. In 2006, Google Calendar was launched, which was very significant because it was a web-based calendar application and offered many extra features. Overtime, calendars moved onto mobile devices, and cross-platform synchronization allowed users to edit their calendars on their personal computers and phones. Eventually, AI and Smart Assistants, Collaborative Features, and Customization and Personalization allowed calendar apps to take off into our world today. However, there are many other features, such as timers, music, specific prep towards certain tasks. We wanted to make an app specifically designed for students with all of these components, but at a student-level of understanding and components that would benefit them. Timers and Stopwatches became digitized, and music became available everywhere in the world. As our world digitized, daily tasks became easier, which is what we intend on doing with our app.



Solution Summary

Our idea is to make a user-friendly app that allows them to create a schedule for the week and save it onto their computer, use a timer and stopwatch to manage their time, listen to calm study music while working, and to be able to save and plan specific preparations for tests and projects. We initially were going to make an app with a login page, however, we underestimated the time it would take to work on the APIs, Servers to save the data, and it would be very difficult considering what we learned in this elective. We decided to take another approach and make a much simpler UI, and three effective pages that would benefit students in school. We first worked on the dashboard page. This page had the buttons to go to three different pages. One button led to the schedule page, where the user can edit, stop editing, clear and save the schedule. This allows them to schedule their week and then save it, so they can share it with others. They can go back to the dashboard and press a button to take them to the study page. In the study page, they can start a timer with their values and a stopwatch, which allows them to time manage their assignments. They can also listen to calm music while they work. They can then go back to the dashboard and press a button to take them to the test prep page. This page allows them to plan specific tasks on a specific deadline on a specific date. They view their tasks on a timeline, and they can check them off once they are done, which allows them to stay organized on their specific agenda.



This is the Main Feature of our Product App

Product Evaluation

The current version of our project is currently exceeding our expectations and checks all of our requirements on our idea. It has three different pages, and can all be accessed by the dashboard. The three pages have their own features, which allow the user to schedule their week, time manage their assignments while listening to calm music, and plan/prepare for specific tasks. We analyzed the validity of our solution by checking what we wanted to be done to what has been done. We made sure that each page had something to benefit students, and in the end, our whole project would have elements of beneficial components to help students stay academically focussed and attentive. Some future improvements we want to add to our product is to make a working login page, so that the user can have their data saved without saving it onto their computer as a pdf. Additionally, we want to make the UI much cleaner and more advanced. We also want to make the website accessible on google for everyone, which will make our app more open on the internet. Furthermore, funding this project would be beneficial because we can use servers and APIs to expand and make our app live for the world to access, with an estimated cost of $30,000 to $50,000 to borrow or create a database to store user information for the world.

Arshan Avula - Key Contribute Pages

I contributed to this project as a main developer. My first task was to link the pages to the dashboard, which allowed the user to access the pages in the first place from the starting dashboard. The main two pages I worked on were the Schedule and Study pages. For the schedule page, I created buttons to edit, stop editing, clearing, and saving the schedule. I also created the table where people can input their tasks for the week, which would be their schedule for the week. I also added the button to go back to the dashboard, so the user doesn't have to close the website in order to go to other pages. To code all of this, I used html for the UI looks, and javascript for the button functions. The next page I worked on was the study page. Aditya started off on the study page by making a function for the timer to constantly run and take the user's input for seconds. The timer was able to countdown for seconds, but not stop and reset. I made separate parts to the function to allow the user to stop the timer by clearing the interval, and resetting the timer by setting the timer value to zero seconds. I then learned about mod (%), which allowed me to make the hours and minutes for the user to input. I changed the display to show the hours, minutes, and seconds, which made the timer look a lot cleaner. I then worked on the stopwatch, where I created similar functions towards the timer. I used mod (%) again, which allowed me to show the stopwatch in hours, minutes, and seconds. I made the functions for stop and reset buttons, which allowed the user to stop the stopwatch by clearing the interval and resetting the stopwatch by setting the value of the stopwatch to zero. For the study page, I mostly worked on the javascript part, and worked a bit on the HTML looks of the UI. I then made the UI much neater by centering the page, and keeping the table of music in the bottom using CSS. I added links with the google drive so that the user can access the music if it doesn't show up on the page. This allows the user to listen to the music on google drive and on the page once it has been downloaded. To finish the page, I added a button so that the user can go back to the dashboard and access the other pages. Some other features I added were changing the way the buttons were pressed, few looks of the UI, and linking everything together. I also contributed majorly to the idea and Github, where we stored our code. As the main developer, I worked on the HTML and Javascript parts of the website, to make the app better and work properly as a product.

Aditya Jayanthi - Key Contribute Pages

For this project, I contributed to all three sections of the study page: the timer, stopwatch, and music section. For the timer, I created a working product with the buttons, labels, textboxes, and code required for it to function; however, this basis of the code was breakable and needed to incorporate minutes and hours. Arshan completed the rest of the timer by making it unbreakable as well as incorporating minutes and hours rather than just seconds. For the stopwatch, I created all of the buttons, labels, and textboxes using HTML and started a little bit on the code. However, due to time constraints, Arshan took over, so I started the music section. For this section, I used an application called OKmusi, an app that converted the link to the music into an audio. After repeating this process five times, I incorporated all of the Lo-Fi songs in the code. However, I encountered a problem where the audio was saved to my files, making other people need to access my exact file to be able to listen to it. To solve this problem, I put the file in my Google Drive and shared it with everyone. This way, users were able to download the music files and play it. Overall, I believe that I contributed to the team and helped make a functional task manager app that our team strived for.

Mihir Thatti - Key Contribute Pages

I worked on our presentation. I decided to get a head start on the presentation after most of the app was finished. This helped save some time while everyone else was finishing the code. To elaborate, I found an appropriate theme on slidesgo, and then I formatted and filled out the slides according to the requirements. While doing so, I worked on trying to keep the information on each slide concise and in bullet points. I worked on the documentation, this includes the electronic document, and also my own log. On the electronic document, I did my key contribution page and the references page. I also helped test the product, which helped my team so they could debug their code. We spent some time on the timer mechanism in the study page. It was finally finished though due to help from Arshan. The stopwatch was done pretty quickly afterwards. After this I helped with debugging and was the main tester of the product. I also helped come up with ideas to make the project better, like adding music and a stopwatch. This project definitely showed me that I have a lot to learn to get better at HTML and Javascript. However, It was definitely fun getting to work with people I have good chemistry with already.

Vishwak Etikela - Key Contribute Pages

My experience with the test prep page project has been truly transformative. I've put a lot of effort into shaping its design and appearance, from brainstorming with the team to learning CSS along the way.

In our early meetings, we tossed around ideas for how the page should look. Drawing from my creativity and understanding of what users need, I played a big part in deciding the layout and colors. It was rewarding to see our ideas come to life as we built a page that's easy to use and nice to look at. A lot of the features were a part of my ideas such as the timer feature which is a major contributor in the effectiveness of studying when using the application.

I faced a challenge early on because I didn't know much HTML, which made it tough to add certain design elements. But I didn't let that stop me. Instead, I found a workaround using UR, a tool that helped me create a timeline without needing much HTML knowledge. It showed how determined I am to find solutions, even when faced with technical problems.

As I got deeper into the project, I realized how important it was to get good at CSS to make our design ideas a reality. Even though it was tough at first, I threw myself into learning CSS and trying out different styles. One thing I'm especially proud of is adding a zoom feature. It not only helps people who have trouble seeing but also makes the page feel smoother to use.

Besides working on design stuff, I also pitched in to help my teammates with their tasks. For example, I helped organize and style the study page. Working together with my team not only made us closer but also helped me understand the project better.

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