Study Aid Tool - Group 27 BACK PACS

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Index Terms—component, formatting, style, styling, insert

I. INTRODUCTION

A. Motivation

Students need to remove all distractions to study effectively. However, the process of setting up a relaxing environment for a session of focused work can be tedious and repetitive. Many students prefer to study with music in the background and with a nice wallpaper. When working on large problems or many problems, they like to break them down into smaller tasks in a todo list. It has become increasingly popular to use time-boxed techniques to maximise efficiency and focus, such as Pomodoro. Therefore, students may need to juggle many apps simultaneously, which can be distracting and annoying.

A unique feature that the team thought would be worthwhile to introduce is the ability to change the background and music based on the user's current mood.

B. Goals

The goals for this project were separated by priority into must-haves, should-haves, could-haves, and nice-to-haves. The list of proposed goals for the project can be found in Table 1.

As a summary, the main goals for the project was the moodbased functionality, which interacted with the background and music, and the todo list. These were chosen as the main goals because the unique feature of a mood.... The todo list is one of the most important components needed when a student is studying as it allows them to track their goals and progress for the study session.

With the same reasoning, white noise and a timer were should have functionality, as they aid a user's study.

II. RELATED WORK

What has been done before? Compare it with your project.

III. DESIGN

Software architecture (e.g. class diagram)? User interface (e.g. screen diagram)? Why this design?

IV. IMPLEMENTATION

What have we implemented?

V. TESTING

How have we tested?

TABLE I PROJECT GOALS.

-						
Feature	Time	Feature Description and Estimate Jus-				
	Estimate (Harra)	tification				
(Hours) Must-Haves						
Mood board	20	Get moods/preference from a mood				
Mood based music player	20	slider and generate a playlist using the				
music player and recommen-		Spotify API that can be played in the				
dations		browser.				
Mood	12	Generate some backgrounds based on				
backgrounds	12	the mood sliders/settings. Uses the				
backgrounds		splash API to retrieve backgrounds				
		based on the search term. Create a				
		slideshow with customisable interval.				
Todo list	10	The ability to add items to a todo list				
Todo list	10	which can help the user keep track of				
		their progress. Does not use third-party				
		tools.				
Should-Haves						
White noise	8	A feature that will generate white noise				
Willie Holse		for the user to aid in their study. Sim-				
		ple white noise audio file that can				
		play/pause. Reuse styling from the mu-				
		sic recommender above.				
Timer	6	A timer that can countdown and allow				
111101		the user to keep track of time and				
		perhaps implement study strategies like				
		Pomodoro.				
Could-Haves						
Whiteboard	8	A whiteboard that the user can use to				
		draw and save some of the images to				
		help with their study. Use Third party				
		components.				
Study statistics	15	Statistics that summarise the user's mu-				
-		sic time, study time, items added and				
		completed. This can be used to help the				
		student with seeing how much progress				
		they are making.				
User accounts	20	User accounts which remember the				
		user's preferences, with login de-				
		tails, and the ability to access prefer-				
		ences from multiple accounts. Using a				
		database over local storage.				
Nice-To-Haves						
Music recom-	10	Get the user location, and weather, then				
mendations		give a music recommendation using the				
based on		Music Player already implemented.				
weather						
Inspirational	5	Generating inspirational messages us-				
messages	1	ing API to display.				

VI. METHODOLOGY

VII. DISCUSSION

Have the goals been achieved? Problems?

VIII. CONCLUSION

Conclusions? Lessons? Future work?

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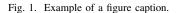


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ACKNOWLEDGMENT

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