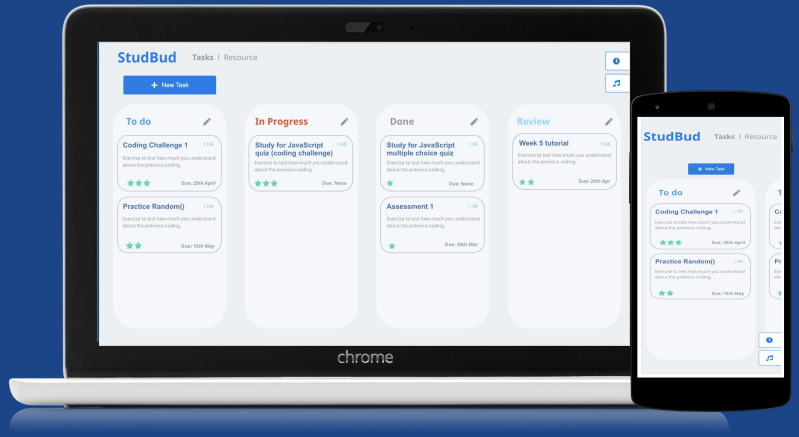
StudBud

~Create your own study method~



DECO2017 - Sho Kozuki(skoz9778)

Table of Context

➔ **Research**

- Key Insights
- Persona

➔ **Ideation**

- Design Sketch
- Mockup

➔ **Plan**

- Functional Specification
- Roadmap

Key Insights & Persona

Background Research



Competitor Analysis



User Interview

Key Insights

Competitor Analysis

“SImple web design makes it easy to use.”

“Available on all the devices and able to link to other application such as Slack, Github.”

“A lot of the app were made for group projects and requires monthly payment”

User Interview

“I had to practice coding a lot, especially in my free time, but I don’t know which website to look up”

“When I study in general, I often decide until what time to time so that I can equally work on all the subjects.”

“Yea, I put some BGM when I study”

Persona



Name: Ana
Age: 20
Occupation: Student
Coding Experience: 3 months

Biography:
This is Ana's first year of university and she is currently taking a programming class. She has some coding experience from her high school, she was hoping she can use that knowledge to achieve high marks for this coding class this year. Her study style is to work on it until she gets to the right answer because she does not want to leave questions unsolved.

Motivations:
Ana is really passionate about coding because she wants to become web designer in the future.

Frustrations:
She has many other works to do therefore sometime she realise there are assessment coming up one day before the due. She also get confuse with coding because there are many ways to write the code and she does not know which website to look up.

Needs:
Requires organized work management for the class therefore she can equally and productively work on her assignments. Also website recommended to help her know which website to look up when she's stuck.

Quote:
"I need to work on coding in my own time but I kept ending up with studying for my other classes work since coding practice is not mandatory."



Name: Daniel
Age: 21
Occupation: Student
Coding Experience: 2 years

Biography:
Daniel is currently studying bachelor of design computing which requires a lot of coding skill at his second and third year. He is very good at designing wireframe and mockup, however he is not very confident about coding. His study style is to separate his time of study so that he can focus for short period of time and take a rest for few minute.

Motivations:
Daniel does not understand anything about coding because he often miss his lecture or tutorials. He does not study during his personal time which is hard for him to achieve good marks..

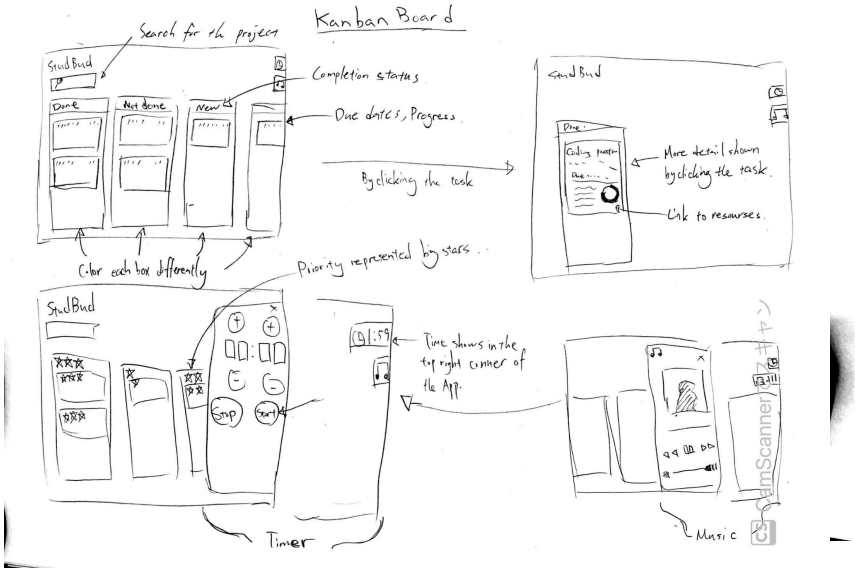
Frustrations:
The problem with Daniel is when it comes to the assessment week, he finally start to study some coding which is too late to start and he also doesn't remember what the tutorial was about.

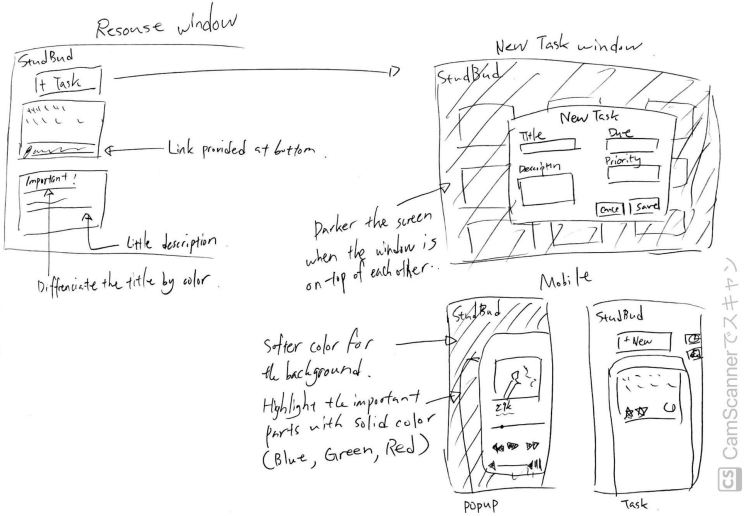
Needs:
Daniel needs something that can keep him on task so he know what to do every week and also be able to note what he has done during the tutorials so he will be able to go back and look at it.

Quote:
"Coding is so hard to follow and I don't know what is right or wrong anymore, there are way too much ways to write it."

Sketch & Mockup

Sketches

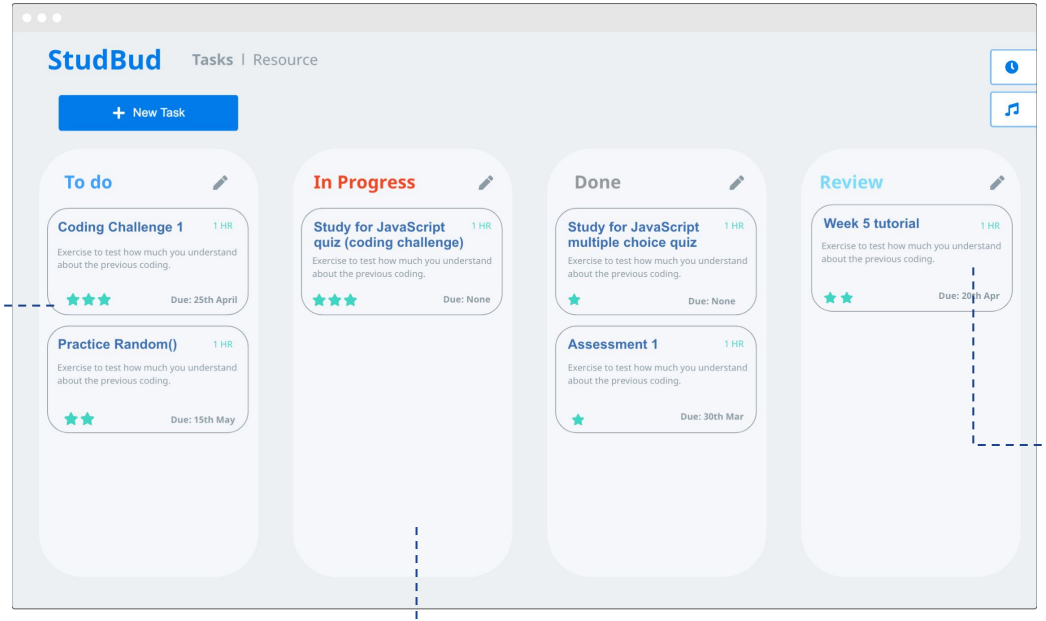

Kanban Board
Search for the project
StudBud
Done
Not done
New
Completion status
Due dates, Progress
By clicking the tasks
More detail shown by clicking the task.
Link to resources
Color each box differently
Priority represented by stars
Time shows in the top right corner of the App.
Timer
Music

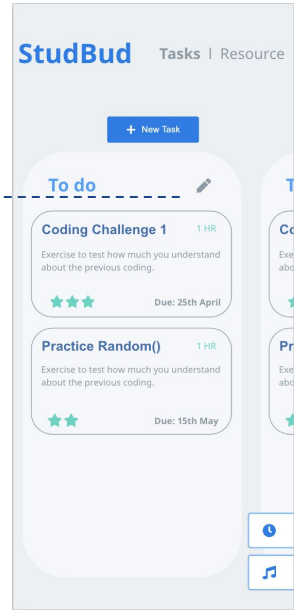

Resouse window
StudBud
+ Task
Link provided at bottom
Important!
Title description
Differenciate the title by color
New Task window
Darker the screen when the window is on top of each other.
Title
Due
Description
Priority
Cancel
Saved
Softer color for the background.
Highlight the important parts with solid color (Blue, Green, Red)
Mobile
+ New
POPUP
Task

Task Page

Priority of the tasks are represented by stars

Edit the **color and title** of each column



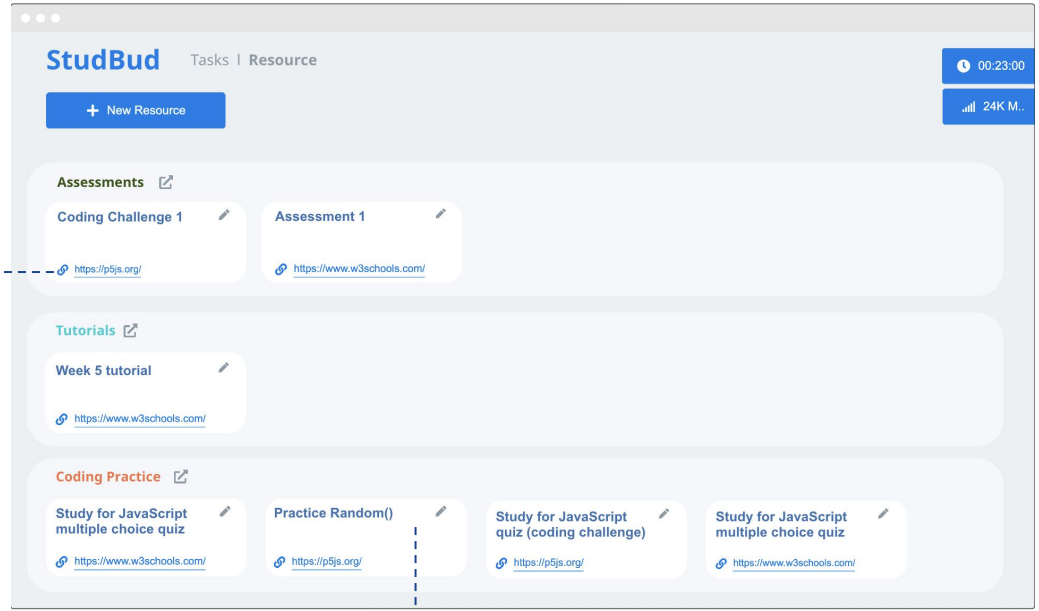


Users are able to **categories** each tasks

Description provided under each tasks

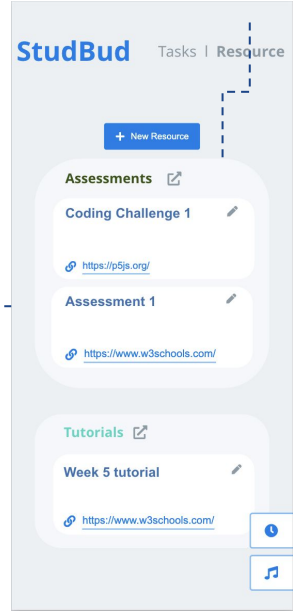
Resource Page

Recommended links are shown under each tasks



The column runs horizontally compare for the resource site

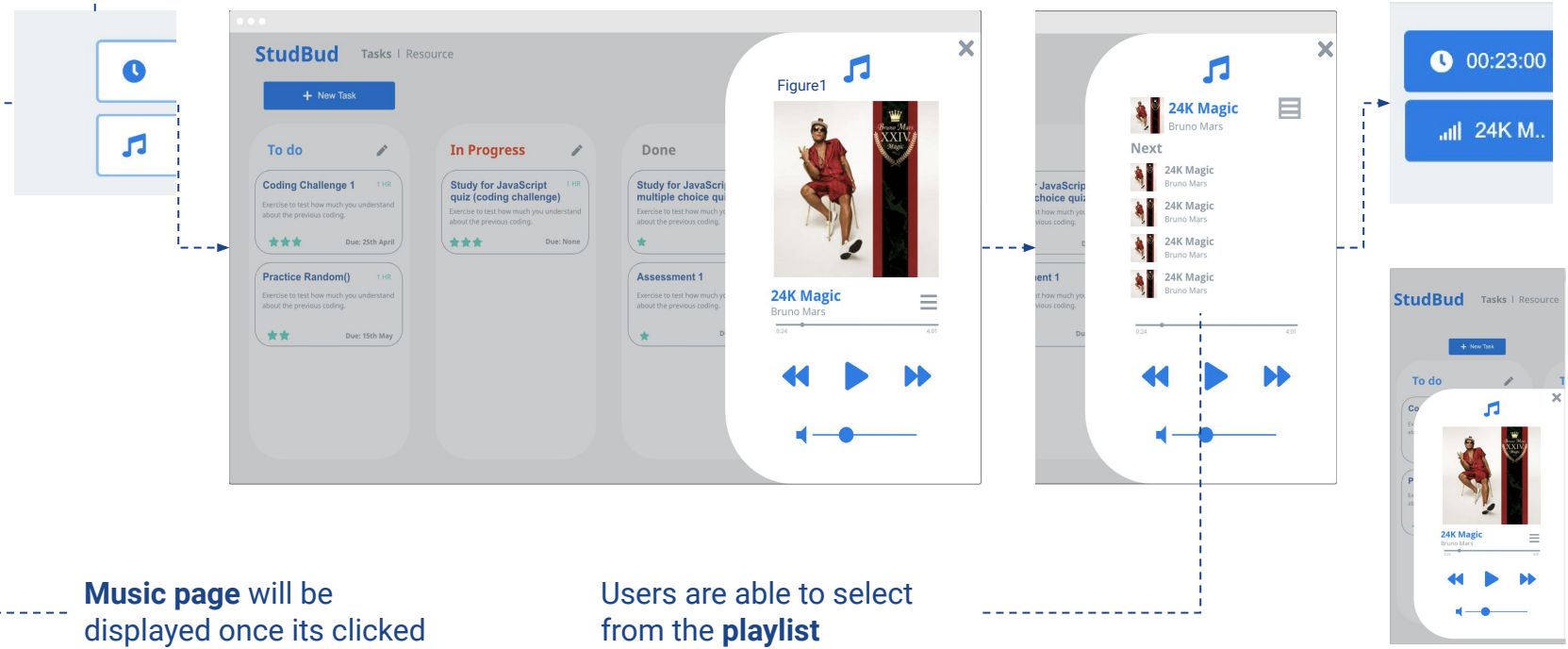
Button to create new resource are moved to middle.



Scroll vertically for the mobile version

Music Player

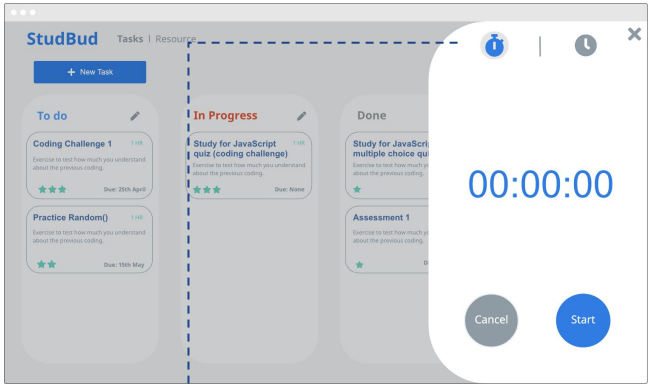
Display changes when the music is on

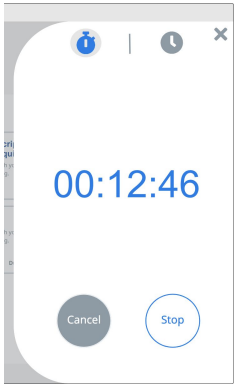


Music page will be displayed once its clicked

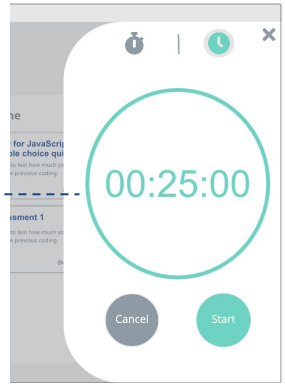
Users are able to select from the **playlist**

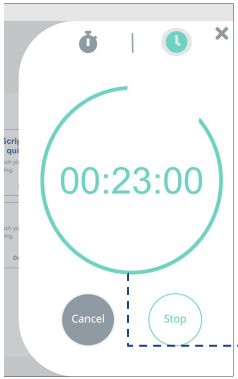
Timer/Stopwatch





Switch between timer and stopwatch.

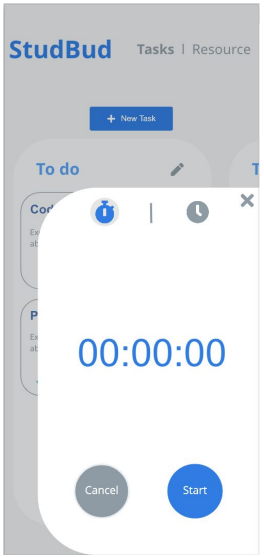


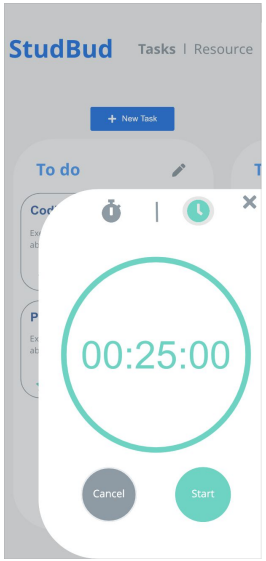


Users are allow to **edit** the timer by click and type the number

Circle to follow how much time is left for the promodo timer.

Differentiated stopwatch and the timer by its color





Mobile

Functional Specification & Roadmap

Functional Specification List

User goal	Component name	Functionality	Priority
Task Page			
Switch between tasks and resource page	Switch page	Click on each of the names and the page will be switched	High
Add a new task	“New task” button	Click on the button and the information page will appear.	High
	“Information” page	Allows users to type in the information (title, description, priority, due date, estimated work time).	High
	“Save and Cancel” button	Allows users to save the information as a new task.	High
Edit tasks	“Edit” icon	By clicking it, users are able to move and edit the tasks they have made previously.	High
Delete tasks	“Delete” icon	Requires users to delete the task once they are done with the project.	High
Resource Page			
Add new resources	“New resource” button	Click to add a new resource for the tasks	High
	“Links” page	Users are able to provide links that are most suitable for the project and save them.	High
Open links	“Open link”	Able to open the links provided by clicking it	High
Open all the links	“Open all the links” icon	By clicking the icon, it allows users to open all the links in the column	High
Edit resources	“Edit resources”	Able to edit the resources by clicking the icon	High
Music			
Music popup	“Music”	Music page pop up from the right side of the screen by clicking the icon	Mid
Close button	“Close music” button	Able to close the music pop up by clicking the cross	High
Play/Pause button	“Play” button	Able to play and pause the music by clicking.	High
Skip/Back button	“Skip” button	Users are able to skip and go back to the songs	High
Volume adjustment	“Volume”	Able to adjust the volume by dragging the circle on the bar	Low
View playlist	“Playlist”	Able to see the playlist by clicking the icon	Low

Timer/Stopwatch			
Open timer/stopwatch popup	“Open watch”	Open the timer pop up by clicking the icon	Mid
Switch timer/stopwatch	“Switch watch”	Users should be able to switch between timer and stopwatch by simply clicking the icon	High
Start/stop stopwatch	“Start stopwatch”	Start the stopwatch by clicking start button	High
See the time	“Count time”	User need to be able to see the time flow	High
Set work	“Set work”	Users are able to enter the work and the break time for the timer	High
Start/stop timer	“Start timer”	Able to click to start and stop the timer	High
Notification popup	“Noti popup”	Users are able to see the time flow or the music play while having the popup closed	Low

Roadmap



Features Testing

Task page
Resource page
Timer/Stopwatch
Music player

Functional web design
Transition
Coloring

Web development
HTML layout
Styling of the website

Final Check
Functionality

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(Figure1) Wikimedia Foundation. (2022, April 6). *24K magic (album)*. Wikipedia. Retrieved April 14, 2022, from https://en.wikipedia.org/wiki/24K_Magic_(album)

Wireframes are done in miro.com

Icons are all from flaticon.com

Appendix (Comepetitor analysis)

Competitor	ClickUp	Todoist	Any.do
Products Services	Cloud-based collaboration and project management tool.	To-do list and task management application	Cloud based task management web application.
Target Customers	Mostly for the office workers at business scene.	Small business or professionals.	Small to midsize business or students.
Key Features	- communication and collaboration tool - Assign tasks and comment to it - Alerts and task toolbar - task assignments and statuses	- Manage the tasks - Share the project with the team - comments on the project	- Personalized themes - Task color coding and collaboration - Manage both individual and team projects
Pros	- Users are able to link the app to other online app such as Slack or Github. - Comments can be edit by anyone as resolved or in progress - Simple UI design	- Users are able to work together in the board. - Available with any device. - Able to link with google calendar, dropbox, and many more.	- Available with all the device such as iOS and Android - Able to share the monitor with the team - Separate between work and personal tasks
Cons	- Costs 5 USD per month - General web bugs - Too much of color used	- Requires 3 USD per month - Web bugs - Some comments about bad UI design	- 2.99 USD per month for the use - No integration with Microsoft calendar

Appendix (Interview)

Interview questions

Target: Students who have taken a coding class

Hi, This is Sho. The purpose of this interview is to design a task management web application that will help students to improve their skills in coding by helping them sort out all the tasks they are going to do. You will be able to schedule yourself a Today, I want you to answer the question based on the coding class you had before.

Kristina, 20, Student, 2 month

Q: Do you like coding?

A: I didn't like it. It was way too much information for me.

Q: When is the first time you study coding?

A: I think it was when I was 19. It was when I was in foundation school.

Q: Do you listen to music when you study?

A: Yea, I sometimes do but when I'm writing an essay or reading a text I don't.

Q: Why did you choose to study coding at that time?

A: Because I wanted to at least have some knowledge about coding, because it's well known that coding is well payed job and it's cool if I understand some of it.

Q: What was the most challenging part of that class?

A: For my class, a sample website was made already for the assignments and we just have to fix a few parts for the assignments or homework. It was really for beginners I think. But if you tell me to code from none, it would be hard.

Q: What did you like and dislike about that class?

A: I liked the presentation When I had to present what I learnt from the class. I didn't like creating the website because it was hard for me to understand and it was a lot of work too so.

Q: What did you do to manage to pass that coding class?
A: I worked hard on my presentation. For my assignments, I was able to turn them in and once it's marked they'll get back to me and once I fix them and turn them in again, I will get higher marks so it was not really hard for me to pass the course.

Q: How do you manage your time of study when you code? Do you do it until you get it or do you decide the specific time and work on it?

A: I think I'll do it until I get it because I easily forget things and if it goes to the next day, I think I'll forget most of the stuff I learnt previously so

Q: Have you ever used any kind of task management app before?

A: No, never tried before

Q: What is the most important feature for you, if you are to use this task management app to learn to code?

A: I think it'll be good if it can notify me because even if I use a task management app there's no point in it if I don't even look at it. So it'll be good if it can notify me when I have to do them.

Mic, 22, Student, 3 years

Q: Do you like coding?

A: Umm, not a big fan of it. I'm more of a design person than coding.

Q: When is the first time you study coding?

A: First year of uni so when I was 19.

Q: Do you listen to music when you study?

A: Yea, I put some BGM when I study it makes me relaxed and focused.

Q: Why did you choose to study coding at that time?

A: I always wanted to learn about coding because I know this was what I had to do to become what I want to be in the future. I think coding is one of the important skill to have theses days. I thought it would be a lot advantage for me to know how to code.

Q: What was the most challenging part of that class?

A: Umm, I think the coding in general. Like I did not understand anything about coding it was really hard for me to remember everything and understand its structure.

Q: What did you like and dislike about that class?

A: I like how the assignments for this kind of class always have many options. Like we get to design our own thing for which there are no right or wrong answers. I get to create what I like to. I didn't like how I had to learn a lot outside the class. There are many things that won't be told during the class so I had to practice a lot.

Q: What did you do to manage to pass that coding class?

A: Nothing special, I think I passed that class with a distinct. I had to practice coding a lot, especially in my free time. I think like two weeks before the final assessment, I was coding at least for an hour every day and I think those sessions really helped me.

Q: How do you manage your time of study when you code? Do you do it until you get it or do you decide the specific time and work on it?

A: I think I'm more like the second one. If I work until I finish coding I won't be able to sleep. When I study in general, I often decide until what time to time I work on a specific subject so that I can work on all the subjects.

Q: Have you ever used any kind of task management app before?

A: No, never, I use a timer to time my study time though.

Q: What is the most important feature for you, if you are to use this task management app to learn to code?

A: Umm, I would say just telling me the schedule is not good enough, so maybe like showing me the progress on each part of the task. So that I can see which one am I behind and I can work on that for longer today. So something like the suggestion by inputting the progress.

Appendix (Interview & Affinity Diagram)

Josh, 21, Student, 2 years

Q: Do you like coding?

A: Not at all. Because it's complicated and confusing.

Q: When is the first time you study coding?

A: I think when I was in High school, that's the first time I see it. The first time that I got seriously into it is in my first year of college.

Q: Do you listen to music when you study?

A: Yea, I always have my headphone on when I study. It helps me to focus and not to get distracted by noise from outside.

Q: Why did you choose to study coding at that time?

A: I didn't really have a option after choosing this major. But I generally think coding classes are better than writing essay or maths classes so that can be the reason too.

Q: What was the most challenging part of that class?

A: I guess everything was challenging for me since it was my first year of college, I couldn't really keep up with what was going on since I did not attend lectures that much. The exercises were hard for me since I didn't learn anything about coding during HS.

Q: What did you like and dislike about that class?

A: I like how I get to create my own things by coding. I don't like how there are so many ways of writing the code so whenever I come up with a question and google it everyone has a different answer so it confuses me more sometimes.

Q: What did you do to manage to pass that coding class?

A: I worked hard, I asked the tutor in class a lot when I come up with questions. I also did the same exercise over and over again until I completely get it without any help from google.

Q: How do you manage your time of study when you code? Do you do it until you get it or do you decide the specific time and work on it?

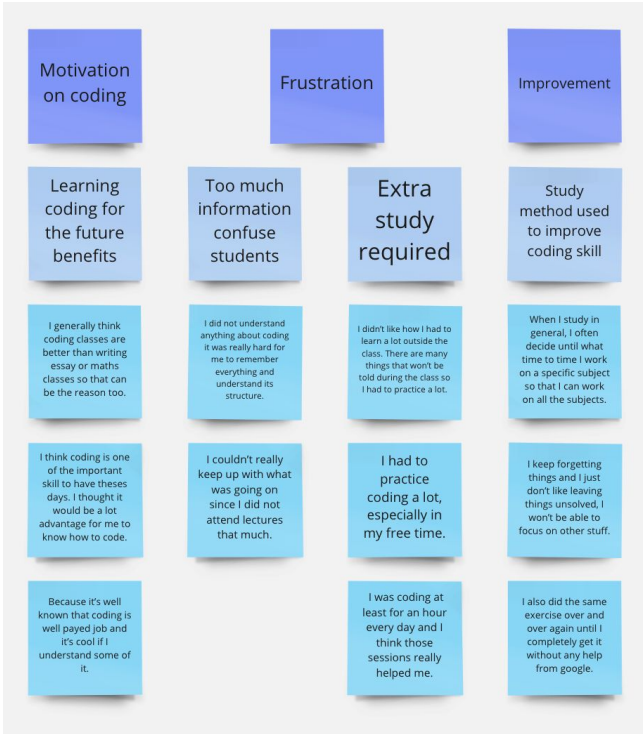
A: Yea, I do it until I get it mostly if it's not like a huge project. I keep forgetting things and I just don't like leaving things unsolved, I won't be able to focus on other stuff.

Q: Have you ever used any kind of task management app before?

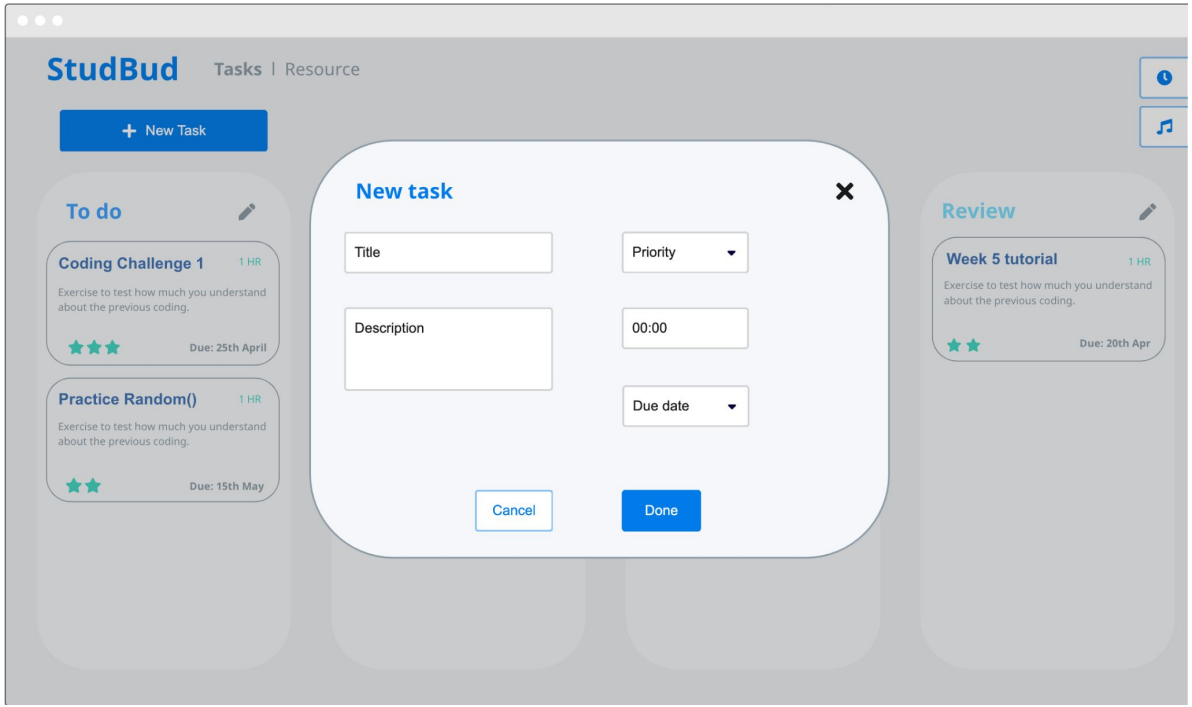
A: Not that I can think of.

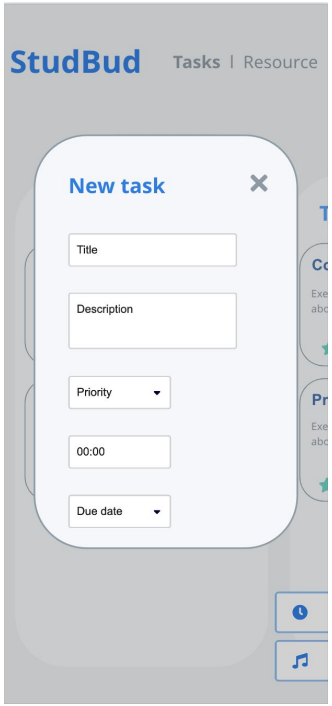
Q: What is the most important feature for you, if you are to use this task management app to learn to code?

A: I've never used them so I'm not sure what features are normally in it but I would say something interesting that is different from others and it makes me want to use it.



Appendix (Mockup)





Appendix(Mockup & colour palette)

