

Melis Kilic

Project: StudyTrack

Study Track App

Description of the problem:

In school, students have a hard time keeping up with assignment due dates, remembering exam schedules, and staying on top of what they're learning in each Subject and the areas they need to focus on for further study. This makes it tough for them to plan their study time well, and they often end up having to cram a bunch of stuff right before exams. Therefore, there is a need to develop a tracking app to help students manage this process more easily.

The Kipling Method 5W1H

Who?

1. Whose problem is this?

The problem is faced by students at school who struggle to keep track of deadlines, exam schedules, and study materials.

2. Is this your client?

Yes.

3. Have you checked that the problem does exist?

Yes, the problem can be verified through surveys, interviews, and observations of students' study habits.

4. Can you prove it?

The problem can be proven through data showing a high rate of missed deadlines, poor exam performance, and disorganized study routines among students.

What?

1. What is the essence of the problem?

The essence of the problem is the difficulty students face in managing and organizing their study-related information, including deadlines, exam schedules, and topics to be covered.

2. Can you explain it easily?

The problem can be easily explained as a lack of a systematic study organization.

3. How do you know that this is a problem?

It is identified through common challenges faced by students. Also I meet with this problem every exam season.

Why?

1. Why is the problem worth solving?

The problem is worth solving because it directly impacts students' academic performance and stress levels. Addressing this issue can lead to improved organization, better time management, and ultimately, better academic outcomes.

2. What benefits do you find in this solution?

The solution benefits students by providing a tool that helps them stay organized, meet deadlines, and have a clearer understanding of their study progress.

Where?

1. Where does the problem appear?

The problem appears in the academic setting, specifically within schools.

2. In what context does the customer experience the problem?

The customer experience the problem within academic coursework and study spaces.

3. Have you seen the problem in its context?

Yes, I am a student myself.

4. Can you describe this context?

The context involves various academic requirements, subjects, deadlines, and study routines.

When?

1. When does the problem appear?

The problem appears continuously during academic responsibilities.

2. Is the problem permanent or appears periodically?

The problem appears periodically, especially during assignments and exams.

How?

1. How can you solve the problem?

The problem can be solved through the development of a study track application that provides features such as deadline reminders, exam schedules, progress tracking, and study recommendations.

The study track application can use technology to send notifications, organize study materials, and offer insights into students' study habits, helping them manage their academic responsibilities more effectively.

Six Thinking Hats Method

Red Hat (Emotions, Intuitive):

- Students feel stressed and overwhelmed.
- Frustration arises from the difficulty of maintaining a study routine.
- Anxiety builds up during exam weeks due to the backlog of topics.

White Hat (Facts, Informative):

- Students struggle with assignment deadlines, exam schedules, and tracking subjects.
- Effective study routines are challenging to maintain.
- Accumulation of topics during exam weeks is a common issue.

Black Hat (Pessimism, Cautious):

- The lack of a reliable system for tracking deadlines and schedules poses a risk to academic performance.
- Inconsistent study routines may negatively impact students' understanding and retention of subjects.
- The accumulation of topics during exams increases the likelihood of poor performance.

Yellow Hat (Optimism, Constructive):

- Implementing a solution could reduce stress and improve overall well-being for students.
- A more effective study routine would enhance understanding and retention of subjects.
- Addressing the issue could lead to improved academic performance and confidence.

Green Hat (Capabilities, Creative):

- Explore the development of a digital platform or app to help students organize assignments and schedules.
- Consider implementing study groups or peer support systems to enhance study routines.
- Introduce interactive methods such as gamification to engage students in their learning process.

Blue Hat (Organisation, Reflective):

- Define clear goals for the solution: improved organization, reduced stress, and enhanced academic performance.
- Establish a plan for implementing the solution, considering the feasibility and impact on students.
- Monitor and evaluate the effectiveness of the solution, gathering feedback from students to make continuous improvements.

UX Benchmarking and competitive analysis of the problem

1.Competitors

My Study Life

My Study Life is a comprehensive academic planner and organizational app designed to help students manage their busy academic lives effectively. The app is specifically tailored to address the challenges students face in keeping track of assignments, exams, and study schedules. It serves as a digital companion to assist students in planning, organizing, and optimizing their study routines. My Study Life stands out as a holistic academic planning tool, addressing the diverse needs of students and offering a range of features to enhance organization, time management, and overall academic success. Its focus on student-centric design and its array of features make it a valuable companion for students navigating their academic journeys.

The main difference lies in the level of specialization and the depth of features tailored explicitly for academic needs. While my study tracking app may offer versatility for various tasks, "My Study Life" focuses on providing a comprehensive and specialized solution for students navigating their academic journeys.

Trello

Trello is a widely used project management and collaboration tool that provides a visual and flexible platform for individuals and teams to organize and prioritize tasks. Known for its simplicity and versatility, Trello uses a card-based system to help users manage projects, tasks, and workflows seamlessly. Trello is a versatile project management tool that offers a simple yet powerful way to organize tasks, collaborate with team members, and manage projects effectively. Its visual and intuitive design, coupled with extensive customization options, makes it a popular choice for a wide range of users and industries.

The main difference is in the focus and functionality. My study track app is tailored specifically for academic use, providing features that support learning and student life. Trello, on the other hand, is a general-purpose project management tool with a broad range of applications, making it suitable for various organizational needs beyond academic tracking.

2.UX Benchmarking

a. Comparison Matrix

	Trello 	My Study Life 
Supported operating system	Web, Mobile, Desktop	Web, Mobile
User Interface (UI)	Yes (Intuitive)	Yes (Student-centric)
Functionality	Yes (Project management)	Yes (Academic tracking)
Customization	Yes (Limited)	Yes (Subject entries)
Reminders/Notifications	Yes	Yes
Collaboration Features	Yes	No
Grade Tracking	No	Yes
Analytics/Insights	No	No
Goal Setting	No	Yes
Subject Notes	No	Yes
Exam Countdown Timer	No	Yes
Subject Resources	No	Yes
Task Dependencies	Yes (with Power-Ups)	No
Revision Tracking	No	Yes
Study Session Logging	No	Yes
Attendance Tracking	No	Yes
Calendar View	Yes	Yes
Usability for Teachers	Yes	Limited

b. Screenshots with additional information

First look

Today
Thu, Dec 7

Classes 0

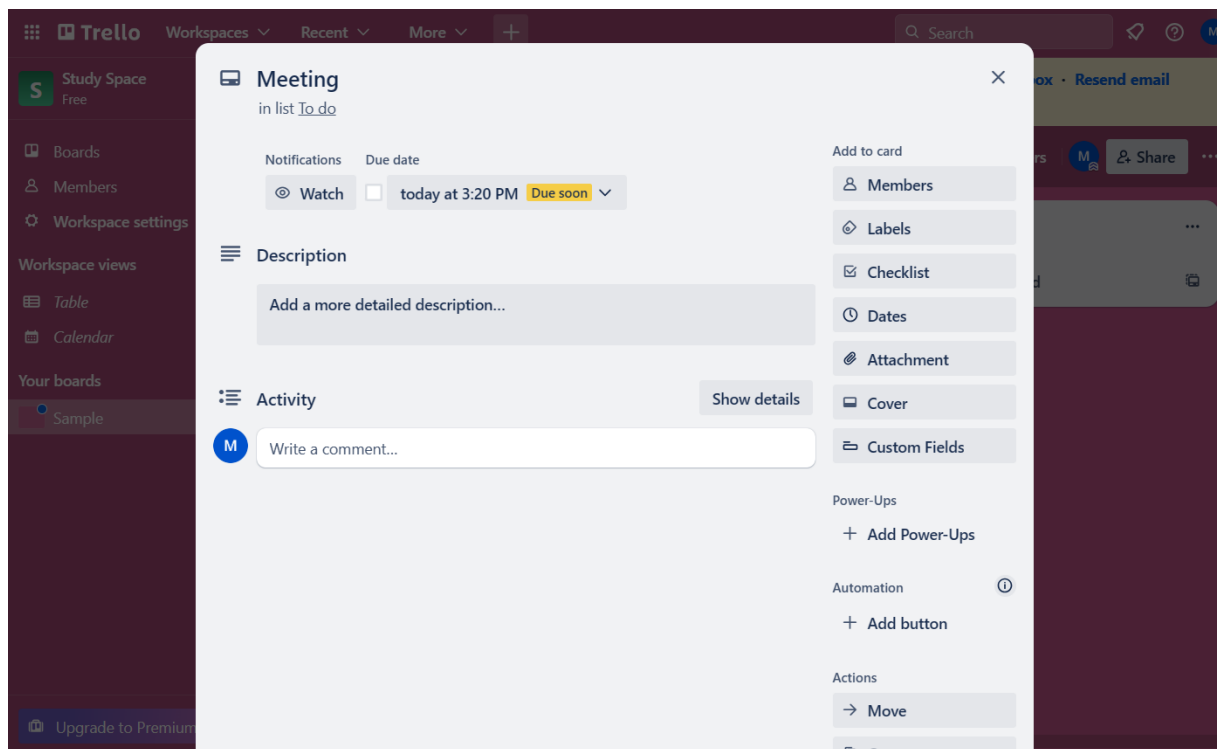
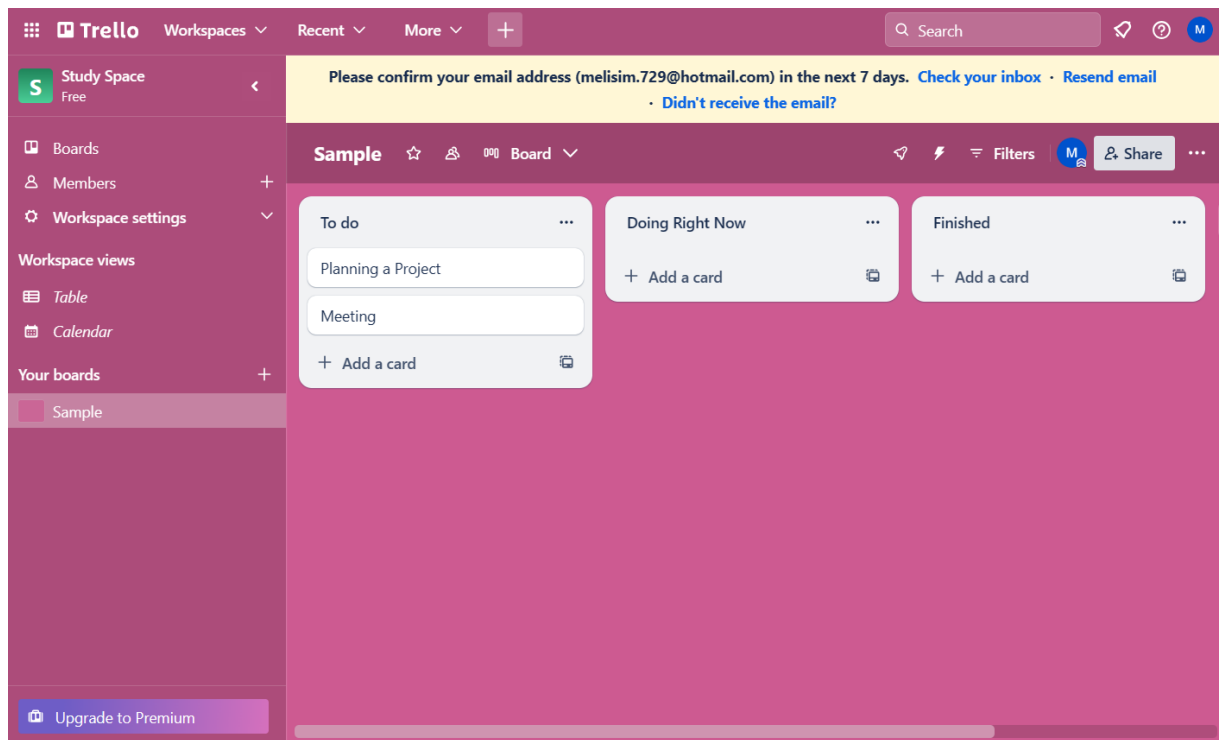
Exams 0

Tasks + New Task 0

Exams 0

No classes or exams today

Calendar



Tasks

No year/term

New Task

Filter by subject

Current Tasks

No current tasks

New Task

No year/term

Subject

+

Type

Assignment

Subject is required.

Due Date

December 7 2023

Title

Detail

Cancel

Save

Exams, Schedules

Trello

Workspaces

Recent

More

+

Search

Study Space

Free

Boards

Members

Workspace settings

Workspace views

Table

Calendar

Your boards

Sample

Please confirm your email address (melisim.729@hotmail.com) in the next 7 days. [Check your inbox](#) · [Resend email](#)

· [Didn't receive the email?](#)

Table

Filters

Card

List

Labels

Members


Due date

Get even more perspective with Workspace views







Premium Workspaces can combine boards into Table and Calendar to filter, sort, and get more done.

Upgrade Workspace to Premium

Upgrade to Premium



Exams
No year/term



Melis

New Exam

Filter by subject

Current Exams

No current exams

New Exam
No year/term

Subject

+

☐ Resit

Subject is required.

Module

Date

December 7 2023

Start Time

9:00

Duration

90


minutes (ending at 1...

Seat

Room

Cancel

Save



Schedule

Manage Subjects

New Academic Year

New Academic Year

Start Date

December 7 2023

End Date

June 7 2024

Scheduling

Terms

☒ Classes occur on the same day every week (fixed)

☐ Classes occur on the same day every x weeks (week rotation)

☐ Classes occur on a numbered or lettered day (day rotation)

What Are Academic Years?

An academic year and its terms are used to represent your school year and any terms (eg. semesters, trimesters, quarters) that you may have.

Cancel

Save

Exploratory research, persons

Goals

1. **Task Management:** Ensure students can easily manage assignment due dates and exam dates, keeping everything organized in one place.
2. **Time Management:** Help students plan study sessions, set priorities, and allocate time effectively for a balanced and efficient study routine.
3. **Tracking Academic Performance:** Provide tools for progress tracking, study recommendations, and be able to have a better look into study habits.

Questions

Personal

1. What is your age?
2. What is your gender?
3. What is your current educational status?

Task Management

4. How do you currently organize and manage your assignment due dates and exam schedules?
5. Can you describe any challenges you face when keeping track of multiple assignments and exams at once?

Time Management

6. What factors influence your decision when setting priorities for your study sessions?
7. Can you share any difficulties you encounter in maintaining a balanced and efficient study routine?

Tracking Academic Performance

8. What methods do you currently use to track your academic progress in different subjects?
9. Can you recall a specific situation where a lack of organization affected your academic performance? How did you handle it?
10. How often do you seek recommendations or insights into your study habits to improve your academic performance?

Answers

Person 1

1. 24 years old.
2. Female.
3. Graduate student pursuing a master's in environmental science.
4. She prefers using a physical planner and sticky notes to jot down deadlines and exam dates.
5. She thinks juggling various assignments can be challenging, and she often finds herself misplacing notes or forgetting specific details.
6. She prioritizes based on the complexity of the subject and her energy levels throughout the day.
7. She tends to be a night owl, so finding a consistent study routine during the day is a struggle for her.
8. She relies on feedback from professors and utilize online platforms to check grades.
9. She talked about a time when misplaced notes led to confusion during an exam. Now, she digitizes important information for easier access.
10. Regularly seek advice from professors and use online forums to explore new study techniques.

Person 2

1. 20 years old.
2. Female.
3. Second year collage student, majoring in Telecommunication.
4. She often relies on last-minute planning and tend to use digital reminders on her phone for urgent deadlines. She doesn't have a consistent organizational system.
5. Procrastination is a big challenge for her. She struggles to start assignments early and often find herself rushing to meet deadlines.
6. She often prioritizes based on urgency rather than importance, leading to a last-minute approach.
7. She finds balancing coursework with a tendency to procrastinate is tough. She struggles to maintain a consistent study routine.
8. She mostly relies on grades given by professors and don't actively track her progress outside of that.
9. She says that there have been instances where procrastination led to lower-quality work. She usually tries to compensate by putting in extra effort closer to the deadline.
10. She rarely seeks recommendations but acknowledges that improving her study habits could benefit her.

Person 3







1. 19 years old.
2. Male.
3. Second-year college student majoring in Computer Science.
4. He uses a digital calendar and set reminders on his phone.
5. Sometimes, he struggles with prioritizing tasks when deadlines overlap.
6. Urgency of assignments, upcoming exams, and subject difficulty.
7. He finds balancing coursework with part-time work and social activities challenging.
8. He checks grades on the student portal and maintain a simple spreadsheet.
9. He missed a submission deadline once; now, he uses more digital tools for reminders.
10. He occasionally asks peers for study tips and explore online platforms for advice.

Person 4







1. 22 years old.
2. Male.
3. He recently graduated with a degree in Visual Arts, and he is currently exploring career options.
4. He uses a combination of a physical bullet journal and a digital calendar to keep track of tasks. He finds visual organization helpful.
5. He struggles with prioritizing tasks and find it challenging to focus on long-term assignments.
6. He prioritizes based on deadlines, personal interest in the task, and the creative flow he feels at different times of the day.
7. He thinks that balancing creative projects with other responsibilities can be tricky. He sometimes struggles with finding a consistent routine that nurtures his creative process.
8. He tracks grades but also maintain a personal art journal where he reflects on his creative process and set artistic goals.
9. He said that there were instances where last-minute changes in project requirements caught him off guard. Now, he focuses on adaptability and staying open to changes.
10. He actively seeks feedback from mentors and fellow artists to improve his creative process. He finds continuous learning and collaboration are crucial to his growth.

Question/Aspect	Person 1	Person 2	Person 3	Person 4
1. Age	24	20	19	22
2. Gender	Female	Female	Male	Male
3. Education	Master's	College	College	Graduate
4. Task Management	Planner & Sticky	Last-minute	Digital Calendar	Bullet Journal
5. Challenges in Task Management	Misplacing, Forgetting	Procrastination	Deadline Overlap	Prioritization Challenges
6. Time Management Factors	Complexity & Energy	Urgency & Procrastination	Urgency, Upcoming Exams, Difficulty	Deadlines, Personal Interest, Creative Flow
7. Balancing Study Routine	Night Owl	Procrastination & No Consistency	Balancing Challenging	Tricky, Struggles with Consistency
8. Tracking Academic Performance	Feedback & Online	Grades & Rarely	Portal & Spreadsheet	Grades & Art Journal
9. Lack of Organization Impact	Misplaced Notes Impacting Exam	Procrastination Leading to Lower Quality Work	Missed Deadline Impact	Last-minute Changes Impacting Project
10. Seeking Recommendations	Regularly	Rarely	Occasionally	Actively

Person 1:

	<h3>Goals</h3> <ul style="list-style-type: none"> • Improve her time management skills. • Wants to leverage technology for better organization. 	<h3>Background</h3> <ul style="list-style-type: none"> • Prioritizes tasks based on complexity and energy levels. • Digitizes information for better accessibility.
<h3>Name</h3> <p>Sarah Doe</p>	<h3>Motivations</h3> <ul style="list-style-type: none"> • Seeks effective time management to balance the demands of her studies and part-time job. • Aligning tasks with energy levels and adapting to night owl tendencies reflects a motivation to maximize productivity. 	<h3>Frustrations</h3> <ul style="list-style-type: none"> • Struggles with juggling assignments and establishing a consistent study routines. • Difficulty aligning with daytime study schedules as a night owl.
<h3>Job Title</h3> <p>Environmental Science</p>	<h3>Scenarios</h3> <p>Sarah starts a part-time job and struggles with time management. She begins to neglect her studies.</p>	
<h3>Age</h3> <p>24 years old</p>		
<h3>Highest Level of Education</h3> <p>Master's Degree</p>		
<h3>Social Networks</h3> <div>    </div> <div>   </div>		

Person 2:

	Goals <ul style="list-style-type: none"> Aims to succeed in her Telecommunication major. Motivated to establish a more consistent and effective organizational system. 	Background <ul style="list-style-type: none"> Tendency to prioritize based on urgency rather than importance, contributing to the last-minute approach. 	
Name Olivia Max	Motivations <ol style="list-style-type: none"> Acknowledges past instances of lower-quality work due to procrastination, demonstrating a motivation to enhance the quality of assignments. Compensates for procrastination by putting in extra effort closer to deadlines, showcasing a desire to achieve better results. 	Frustrations <ol style="list-style-type: none"> Struggles with procrastination, leading to last-minute planning and rushed assignments. Difficulty balancing coursework with a tendency to procrastinate, impacting the establishment of a consistent study routine. Lower-quality work, prompting a need for improvement. 	
Job Title Telecommunication			
Age 20 years old			
Highest Level of Education Bachelor's Degree	Scenarios Olivia prepares project reports every week, but due to a tendency to procrastinate, she accumulated a significant backlog of reports, making it challenging to catch up and meet deadlines.		
Social Networks <div>      </div>			

User Scenarios

SCENARIO 1

Sarah is pursuing a Master's Degree, and she recently started a part time job.

With her job and studies, she struggles to manage her time.

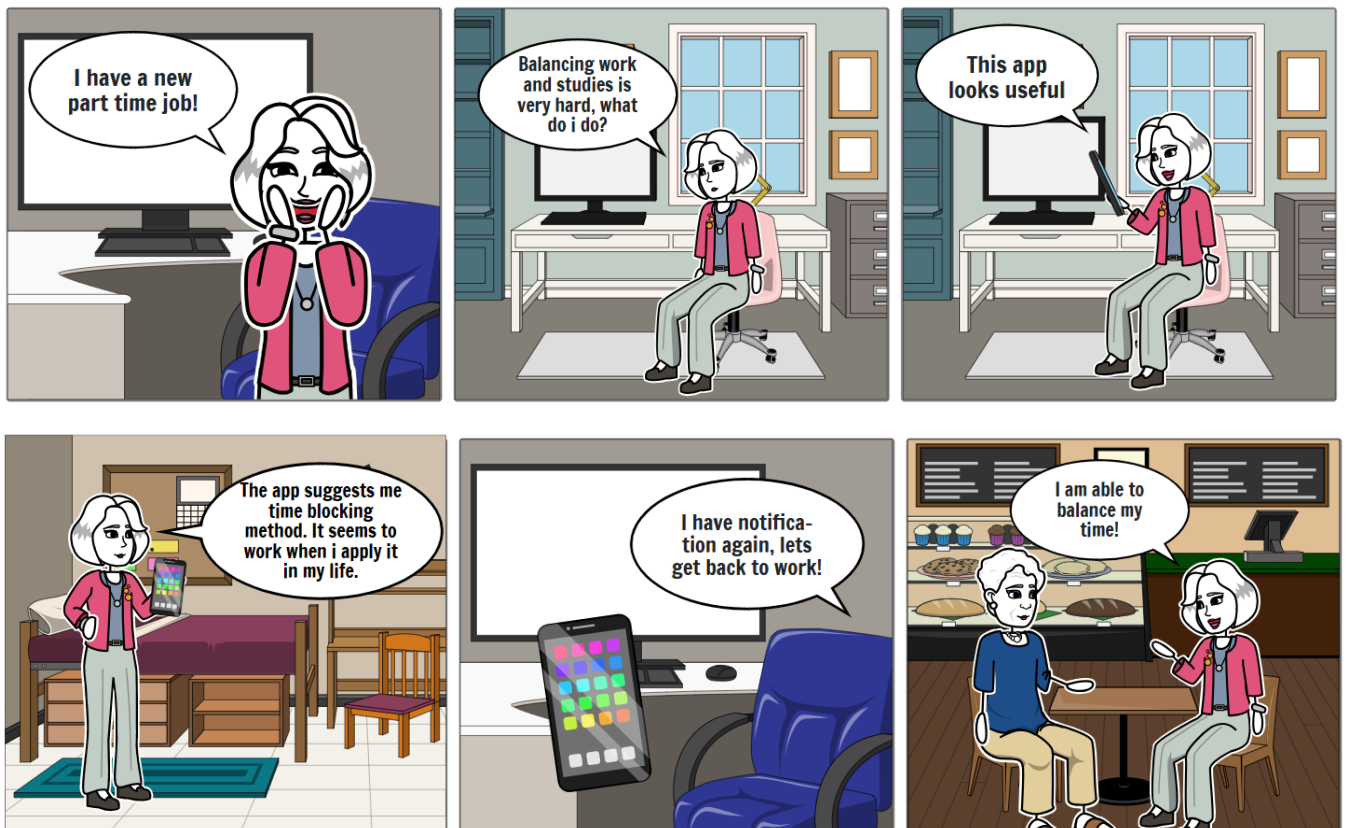
Sarah downloads the Study Track App onto her phone and adds her google calendar into the app.

She uses the time block method that app suggests.

App sends reminders about her free time and study time.

That way Susan has determined how to manage her time throughout the day and has not encountered any difficulties in thanks to these reminders.

STORYBOARD 1



SCENARIO 2

Olivia needs to do assignments every week but there is no strict deadline.

Olivia promises herself to do these assignments weekly but due to her procrastinator nature, she struggles.

She once again accumulated a significant amount of assignments and stresses about it.

Olivia downloads the Study Track App onto her phone and adds her assignments into the app.

The app suggests a possible deadline for managing the assignments and shows percentage as she completes them.

This way Susan creates an image of urgency and manages to do the assignments on time.

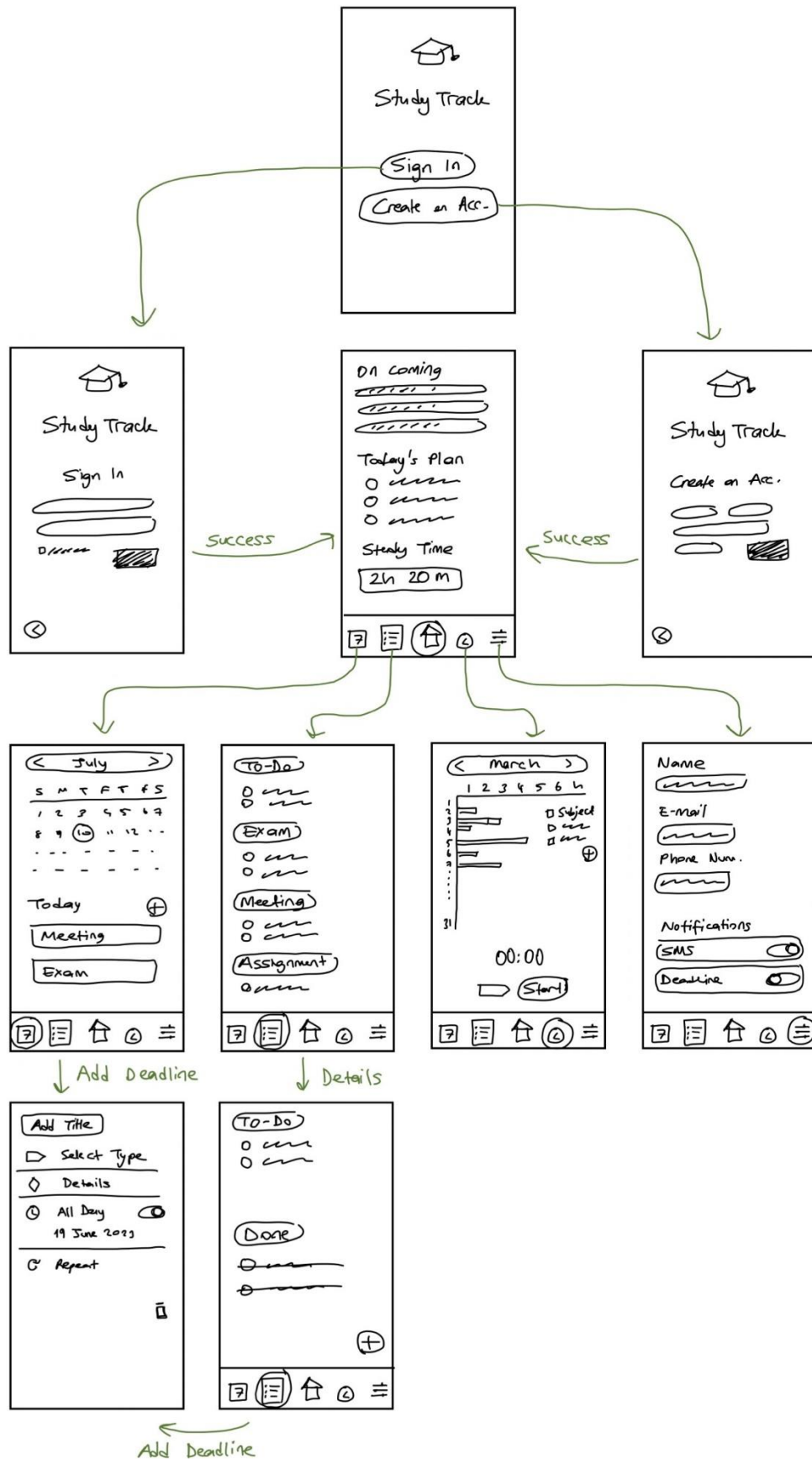
STORYBOARD 2



User Stories

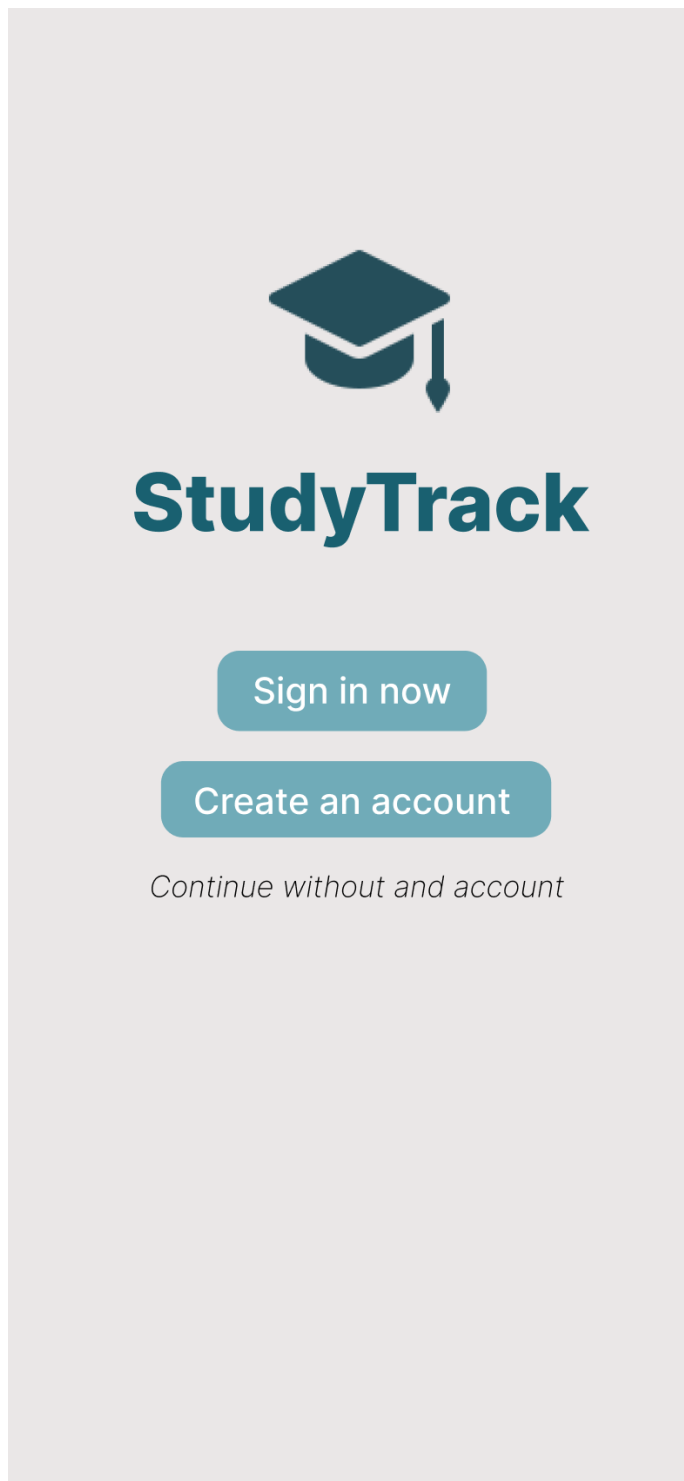
1. As a user, I want a study track app to efficiently manage assignment due dates and exams, ensuring easy access to details without misplacing notes.
2. As a user, I want a user-friendly app for early planning and digital reminders, providing a consistent organizational system to avoid last-minute rushes in my studies.
3. As a user, I want a study track app integrating with my digital calendar to assist in prioritizing tasks and managing overlapping deadlines for better time management.
4. As a user, I seek a study track app blending visual and digital organization, supporting task prioritization, accommodating my creative process, and facilitating reflection on my artistic journey.
5. As a user with a complex schedule and part-time work, I want a study track app that helps balance coursework and social activities, providing reminders to stay on track and maintain efficiency.
6. As a user managing artistic projects, I want a study track app supporting adaptability to changes in project requirements, with features aiding in finding a consistent routine while nurturing my creative flow.
7. As a user seeking academic improvement, I want a study track app facilitating recommendations and insights into effective study habits, providing access to online forums, and enabling communication with professors or peers.
8. As a user tracking academic progress, I want a study track app offering a convenient way to check grades and maintain a simple spreadsheet, aiding in reflection on my performance.

Low-Fidelity Prototype



High-Fidelity Prototype

1.First page



2.Sign in and create account pages

The arrows on the bottom left, allows user to go back to the first page.



StudyTrack

Sign In

Email

Password

☐ Remember me

Sign in





StudyTrack

Create an Account



3. Main Menu

Here, the user can see the overall look for the day.

On Coming

Math Exam

Cloud Team Meeting



User Interface Deadline

Today's Plan

- ☐ Review cloud notes
- ☐ Study to user interface
- ☐ Study to statistics

Study Time

1 h 24 min

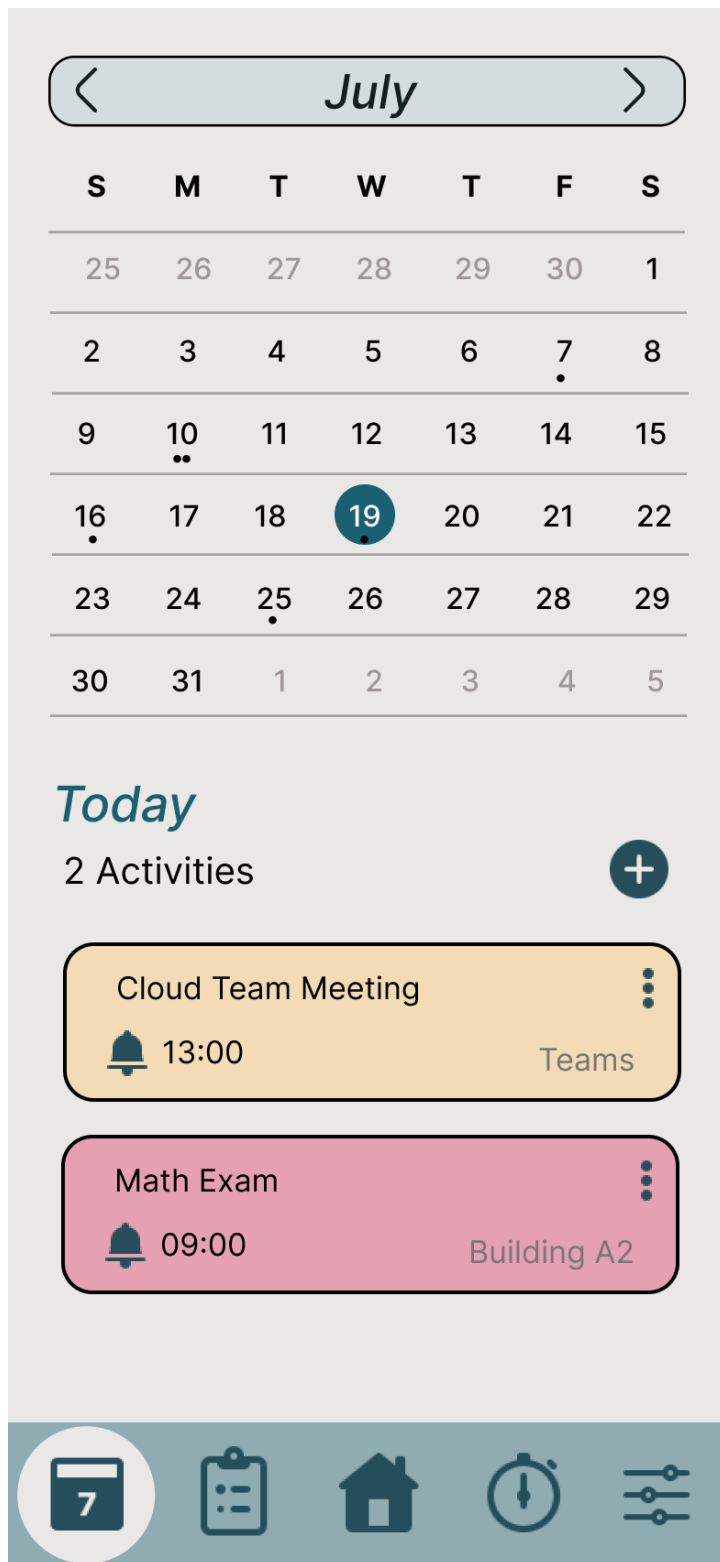
	User Intf.	1 hour
	Math	24 minutes



4. Calendar

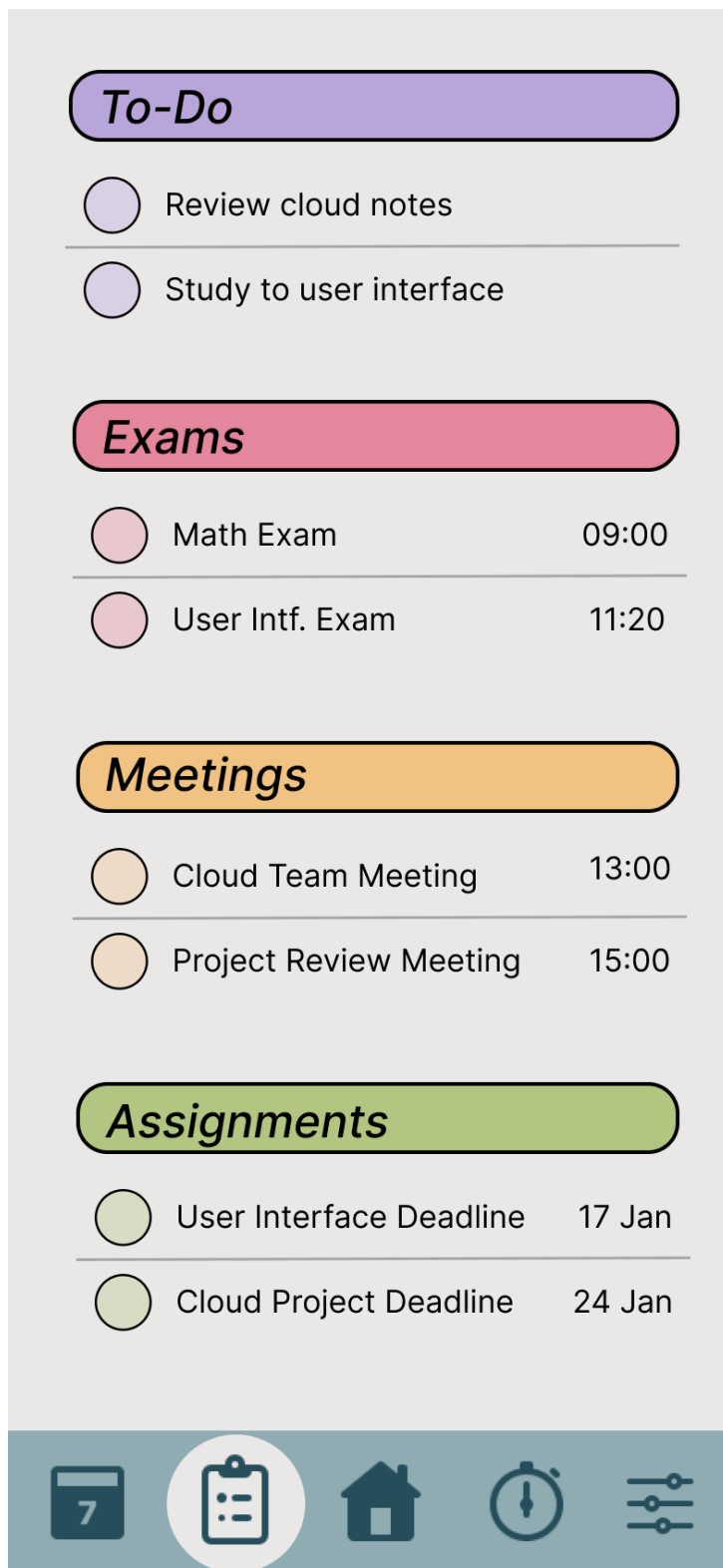
Clicking the plus icon, opens the “Add Deadline” page.

Clicking the deadline, opens the “Deadline Details” page.



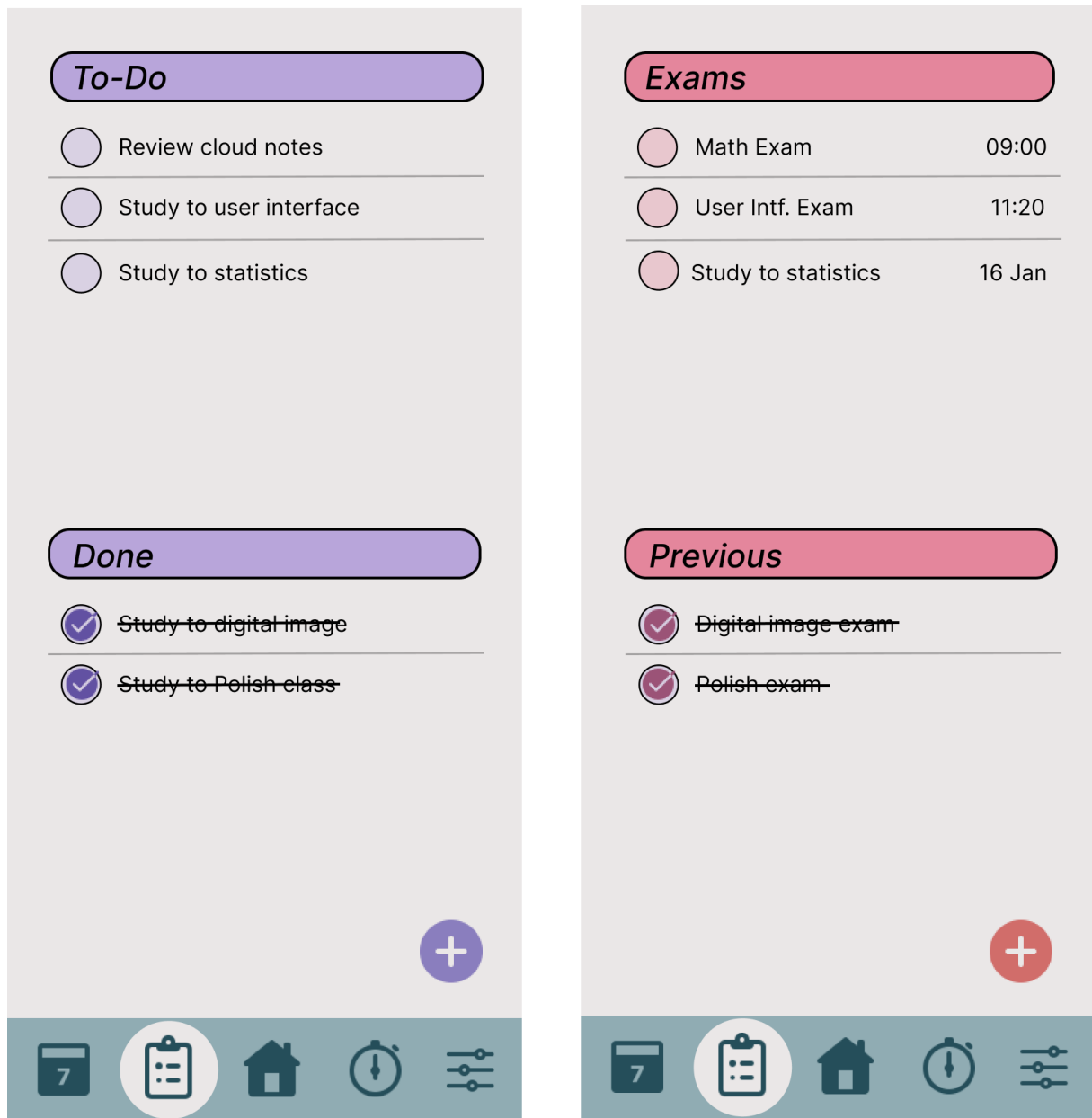
5. Deadline List

In this part, by clicking the titles, the user can see details about them, also previous deadlines, and the user can add a new deadline.



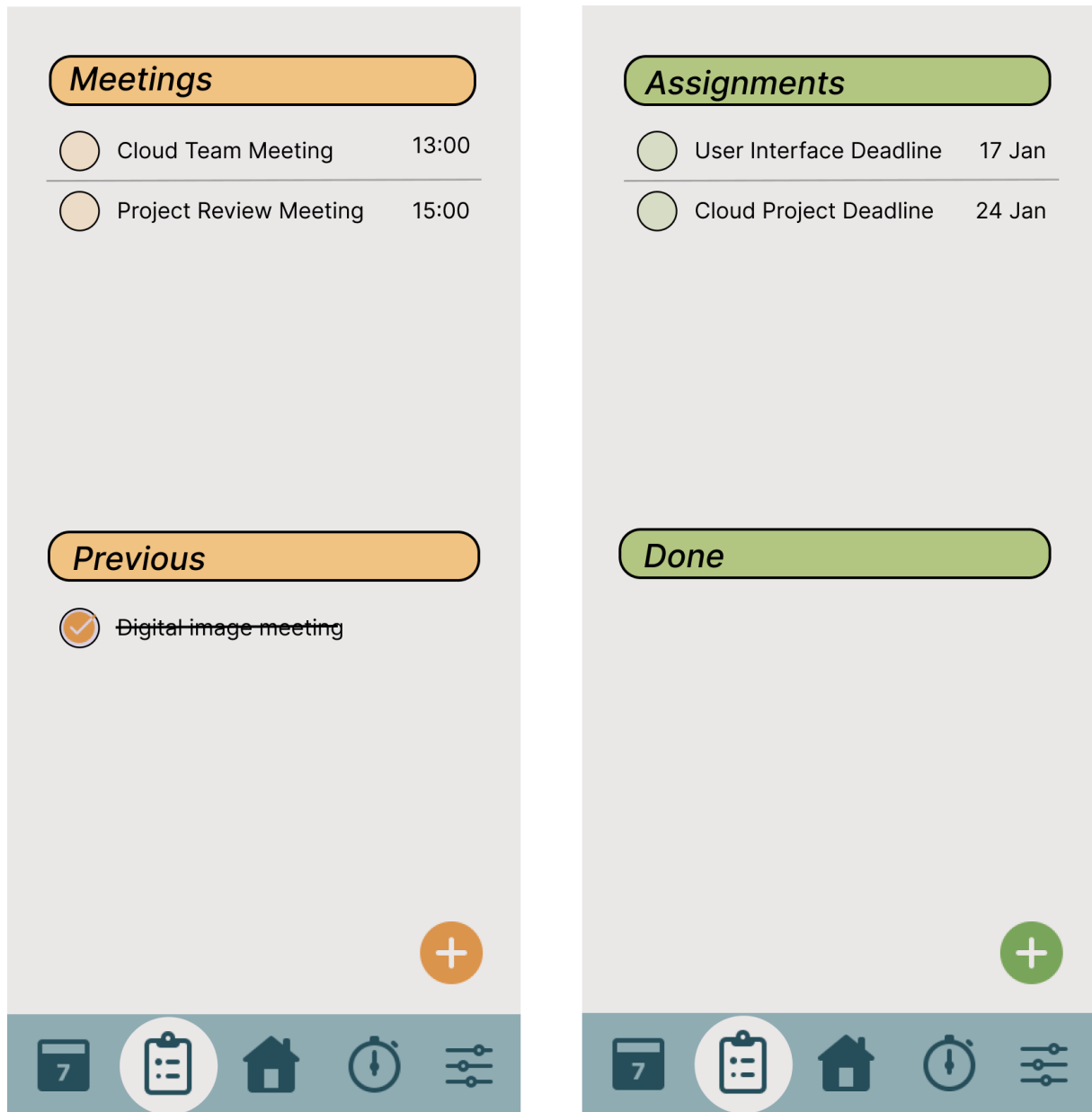
Clicking the plus icon, opens the “Add Deadline” page.

Clicking the deadline, opens the “Deadline Details” page.



Clicking the plus icon, opens the “Add Deadline” page.

Clicking the deadline, opens the “Deadline Details” page.



6. Add Deadline

Here is the main adding deadline page, the user can choose all day or a specific time.

The image displays two side-by-side mobile app screens for adding a deadline. Both screens have a light gray background and a white rounded rectangle at the top for the title, containing the placeholder text "Add title".


Below the title bar, there are four sections separated by horizontal lines:


- Select type:** Indicated by a dark teal icon of a document with a checkmark.
- Add details:** Indicated by a dark teal location pin icon.
- All day:** Indicated by a dark teal clock icon. On the left screen, the toggle switch is turned on (dark teal). On the right screen, the toggle switch is turned off (white with a dark teal outline). Below this, the date "19 July 2023" is displayed.
- Not repeated:** Indicated by a dark teal circular arrow icon.


At the bottom right of each screen is a dark teal trash can icon.

By clicking "Select type", we can choose the type of deadline.

Add title


 Select type


 Add details


 All day


☐


19 July 2023



 To - Do

 Exam

 Meeting

 Assignment

By clicking “Not repeated”, we can choose the repeat times.

Add title

Select type

Add details

All day

19 July 2023

X

☒ Not repeated

☐ Every day

☐ Every week

☐ Every month

☐ Every year

If we want to delete it, this page opens.

Add title



Select type



Add details



All day



19 July 2023

Are you sure you want
to delete this event?


Yes


No


7. Deadline Details


This page allows user to see the details of the deadline and edit them.

Math Exam

 Exam


 Building A2


 All day



19 July 2023

09:00

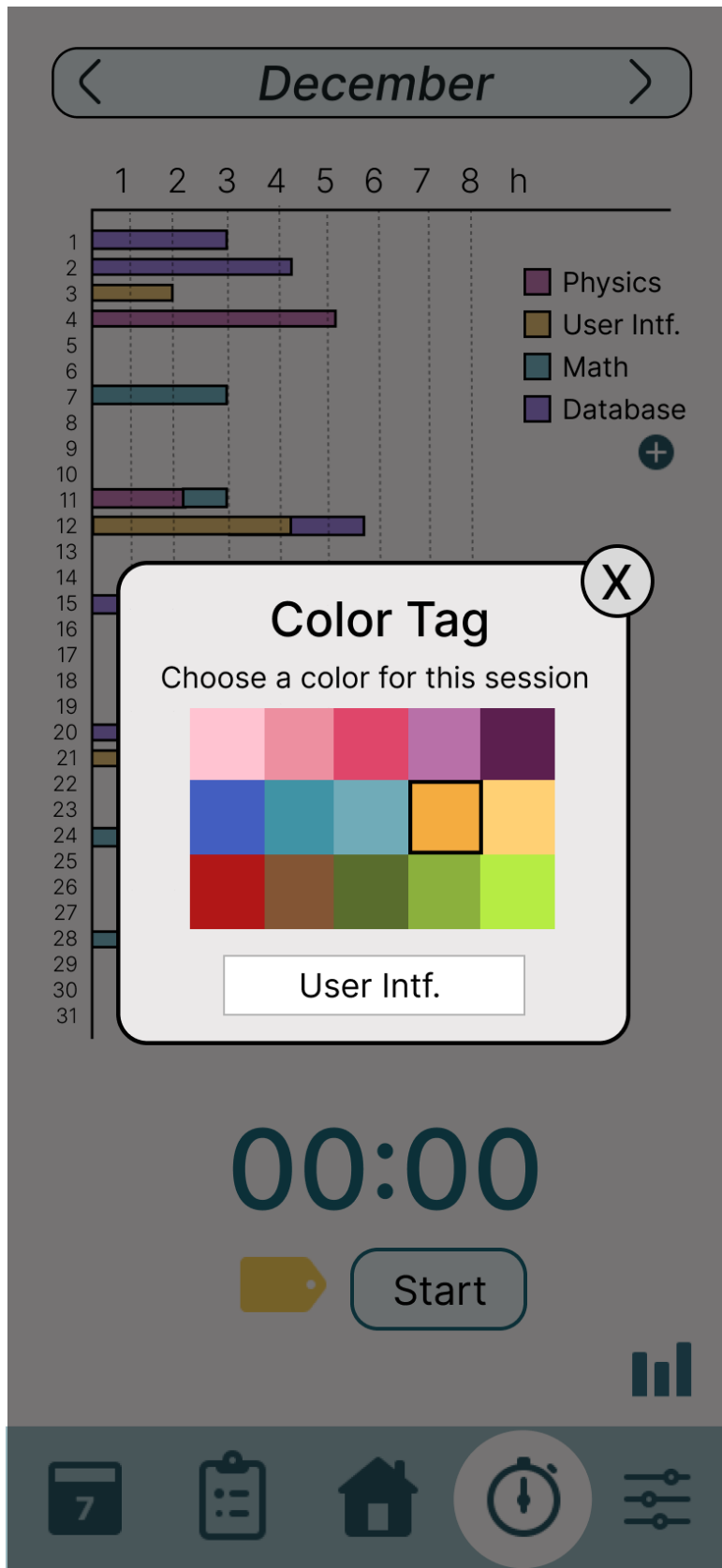
 Not repeated



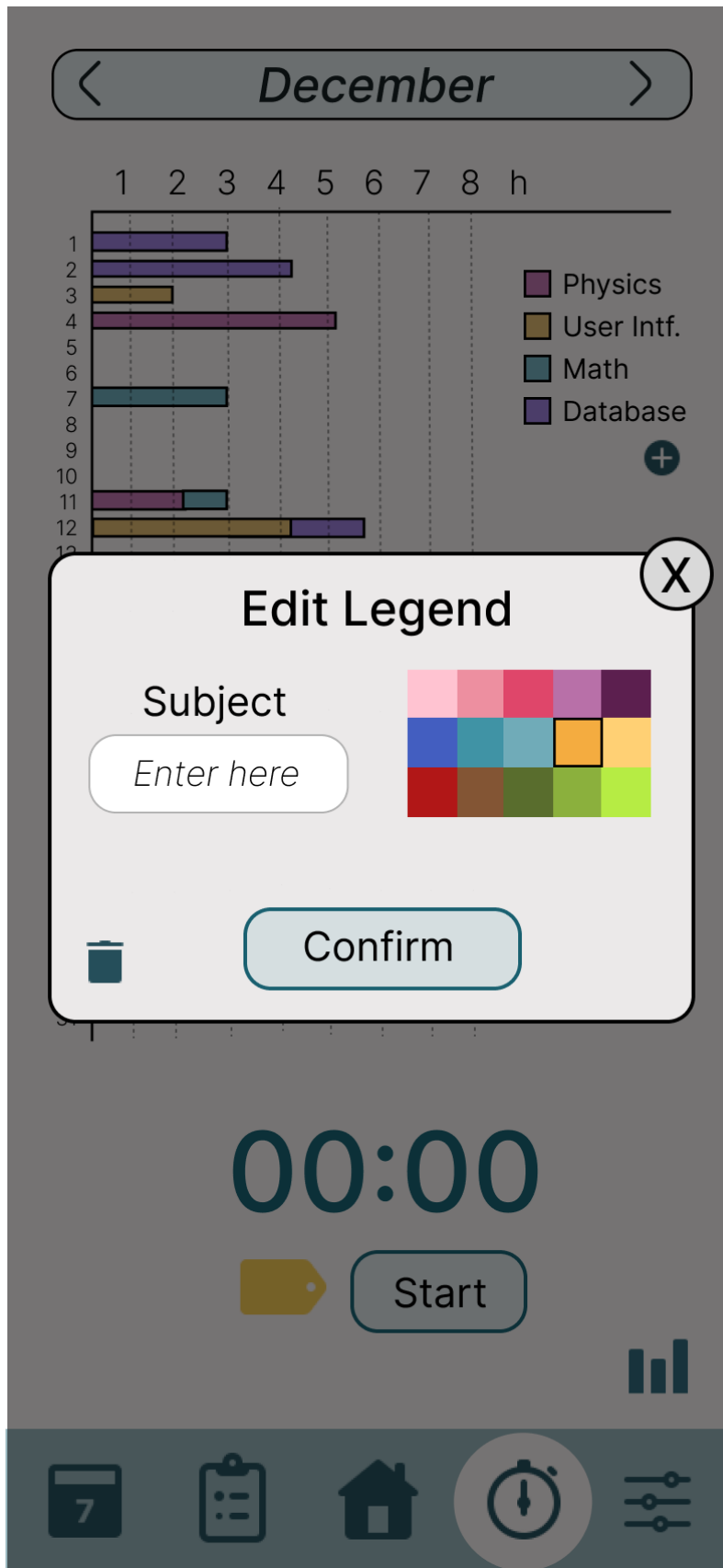
8.Study Track



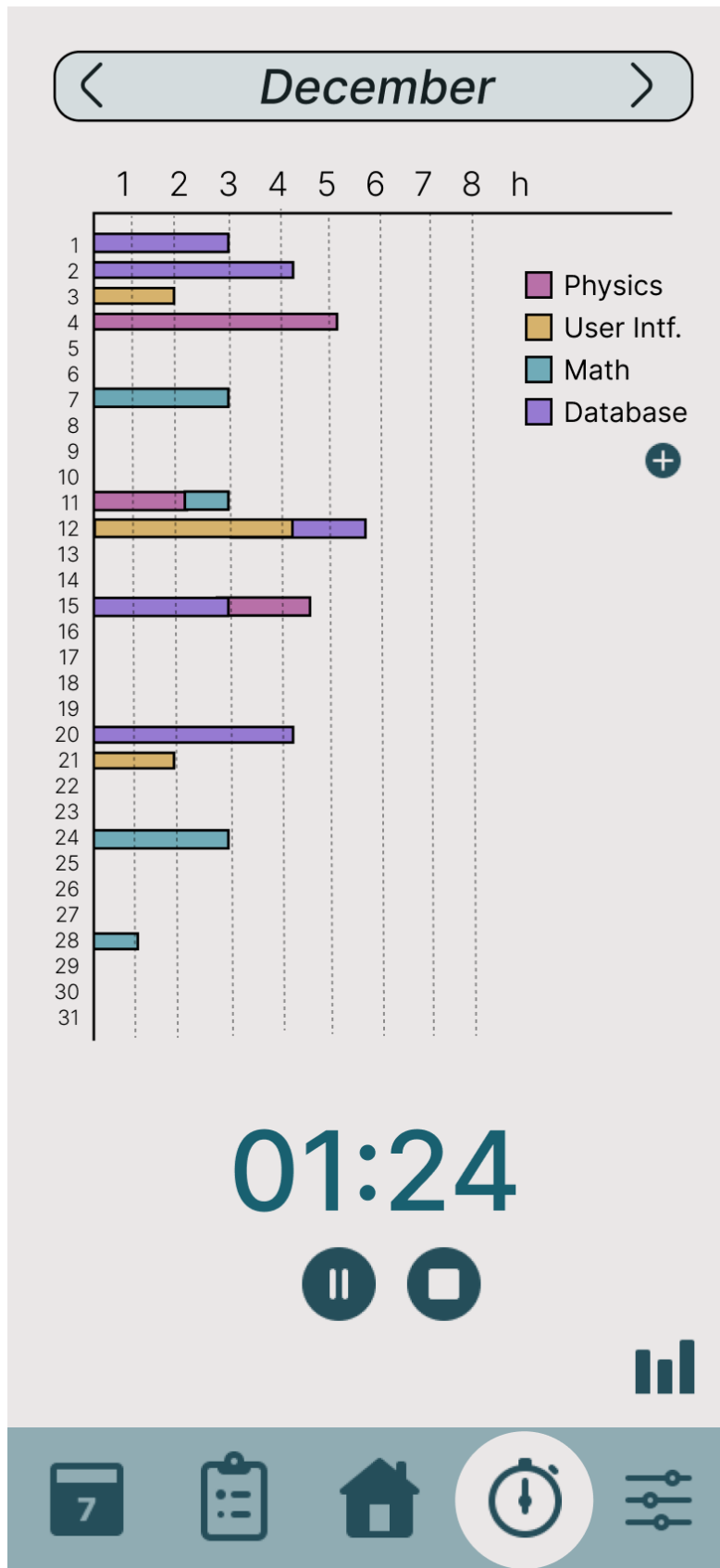
By clicking the tag icon which below the stopwatch, the user can choose the subject that they will study.



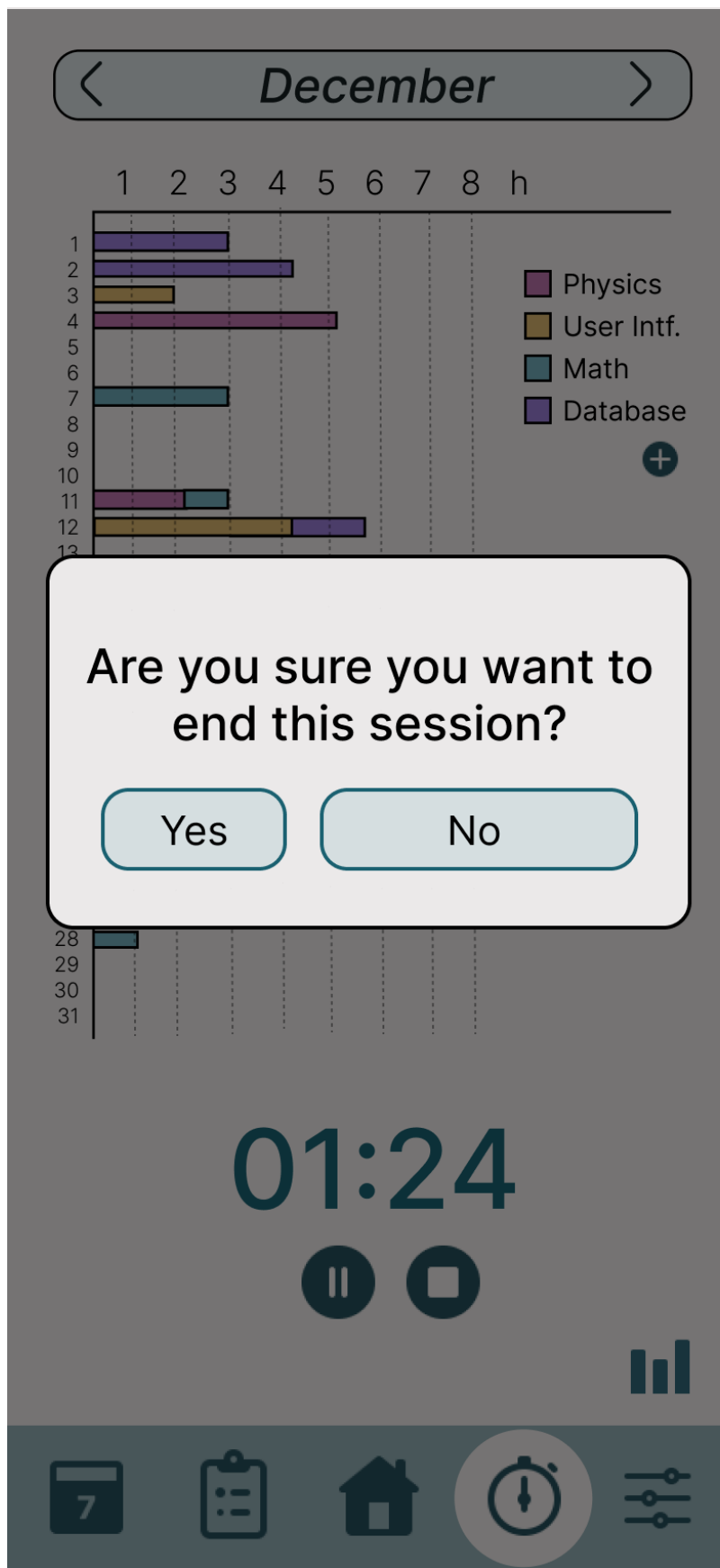
By clicking the plus icon, which is below the subject names, the user can edit the subjects and determine their colors.



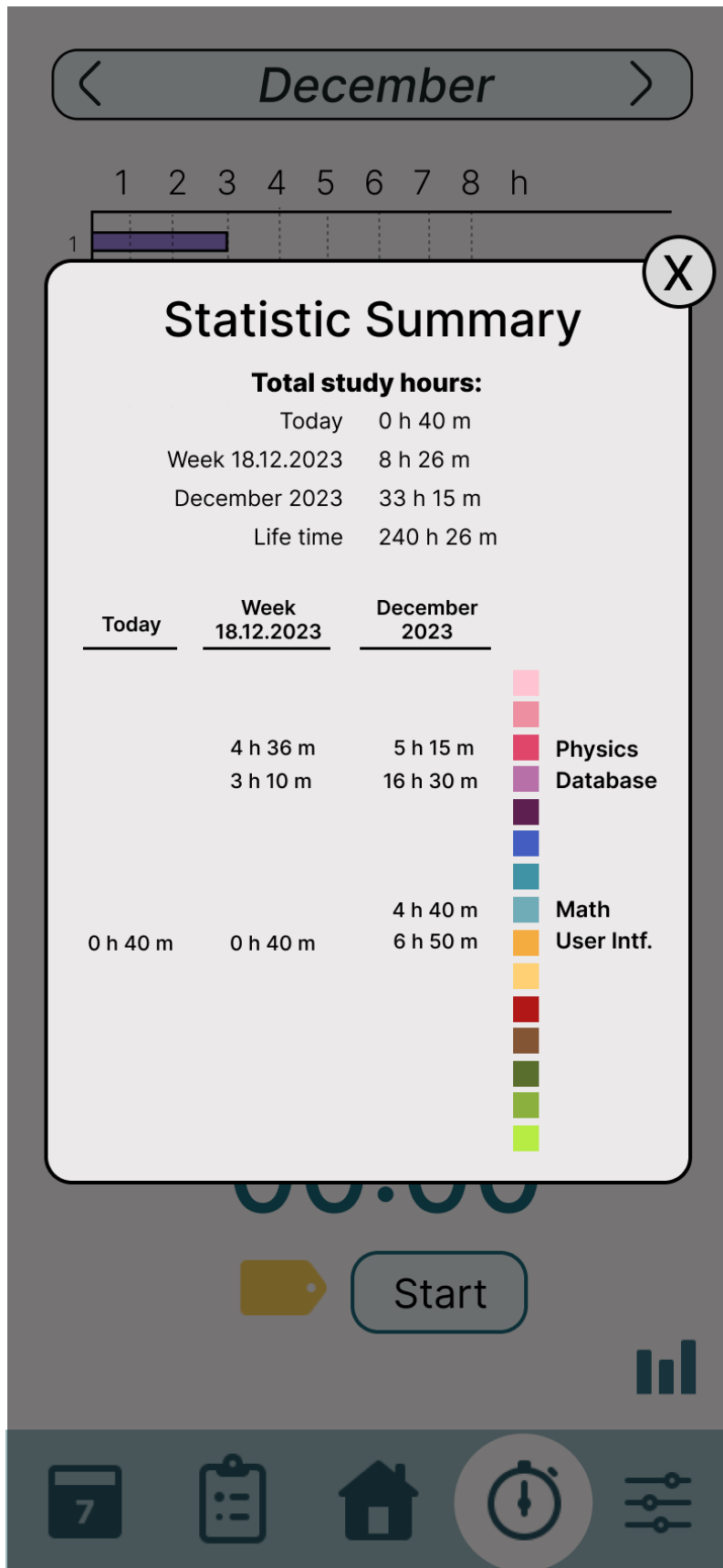
By clicking the start button, the stopwatch starts, the user can pause and stop the stopwatch.



If the user wants to stop the stopwatch, this page opens.



Clicking the statistics icon, which above the settings icon, shows statistics for the subjects and study times.



9.Settings

Name

Melis Kılıç

Email

example@gmail.com

Phone Number

XXX XXX 56 70

Password

Notifications

SMS Reminder



Deadline Reminder



Weekly Progress



Clicking the password box, opens this page.

Old Password

New Password

Confirm Password

Save

7