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# MEMORA

By Dana Breik & Lama Ibrahim

Supervisor : Dr. Ashraf Armoush



Home

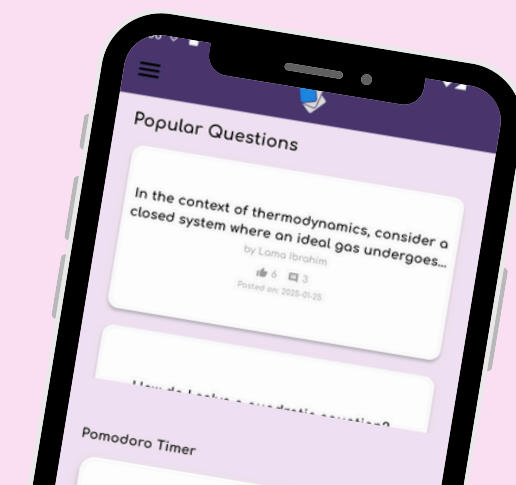
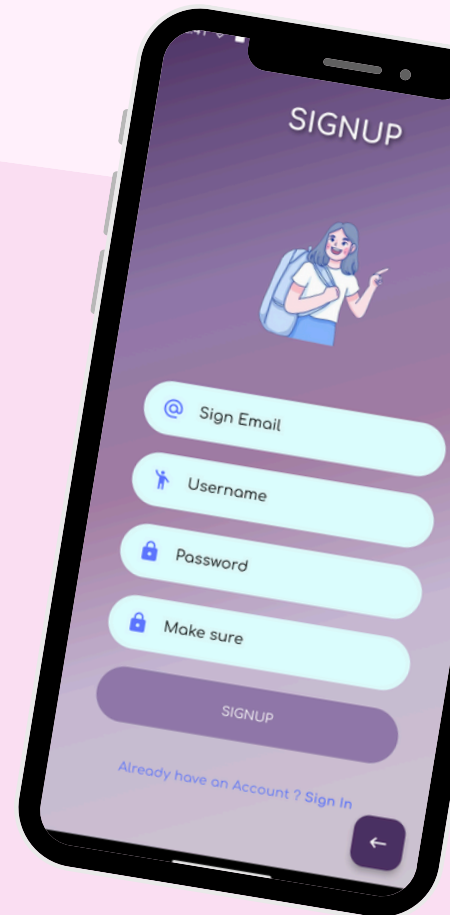
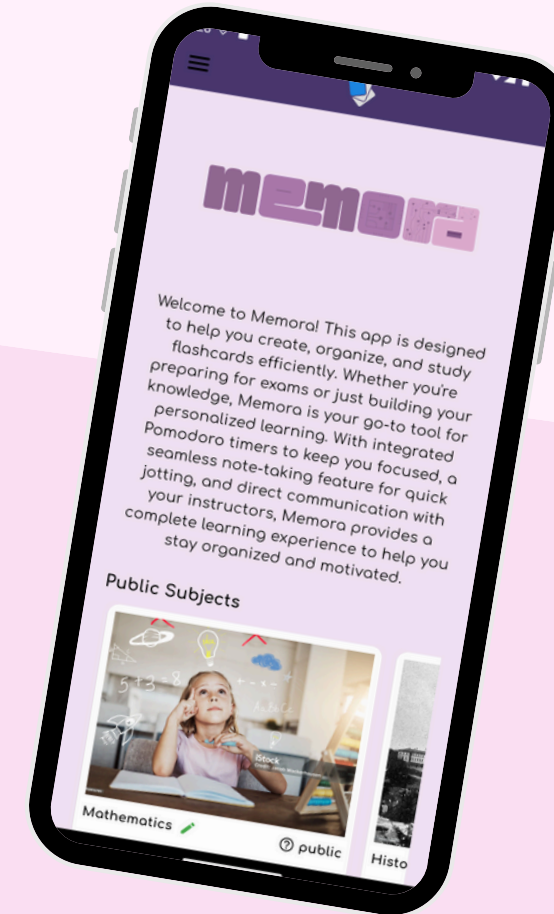
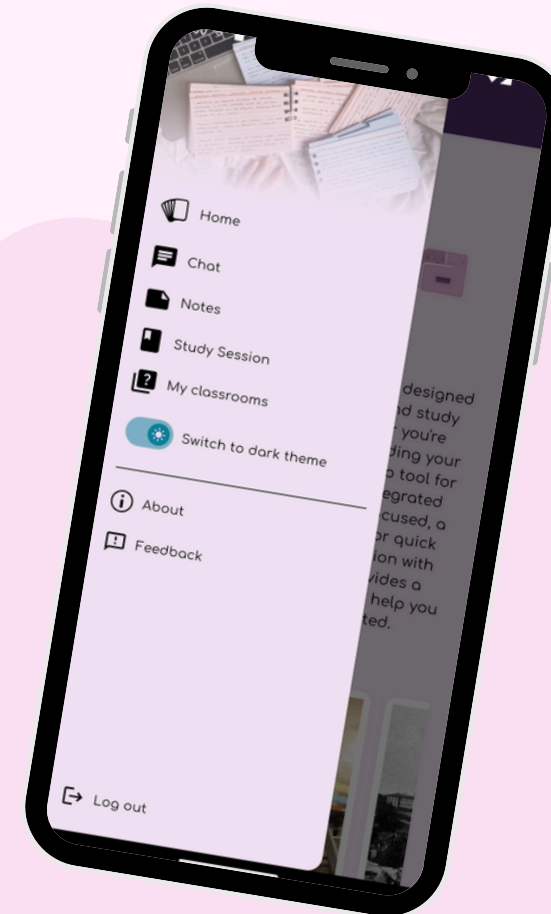
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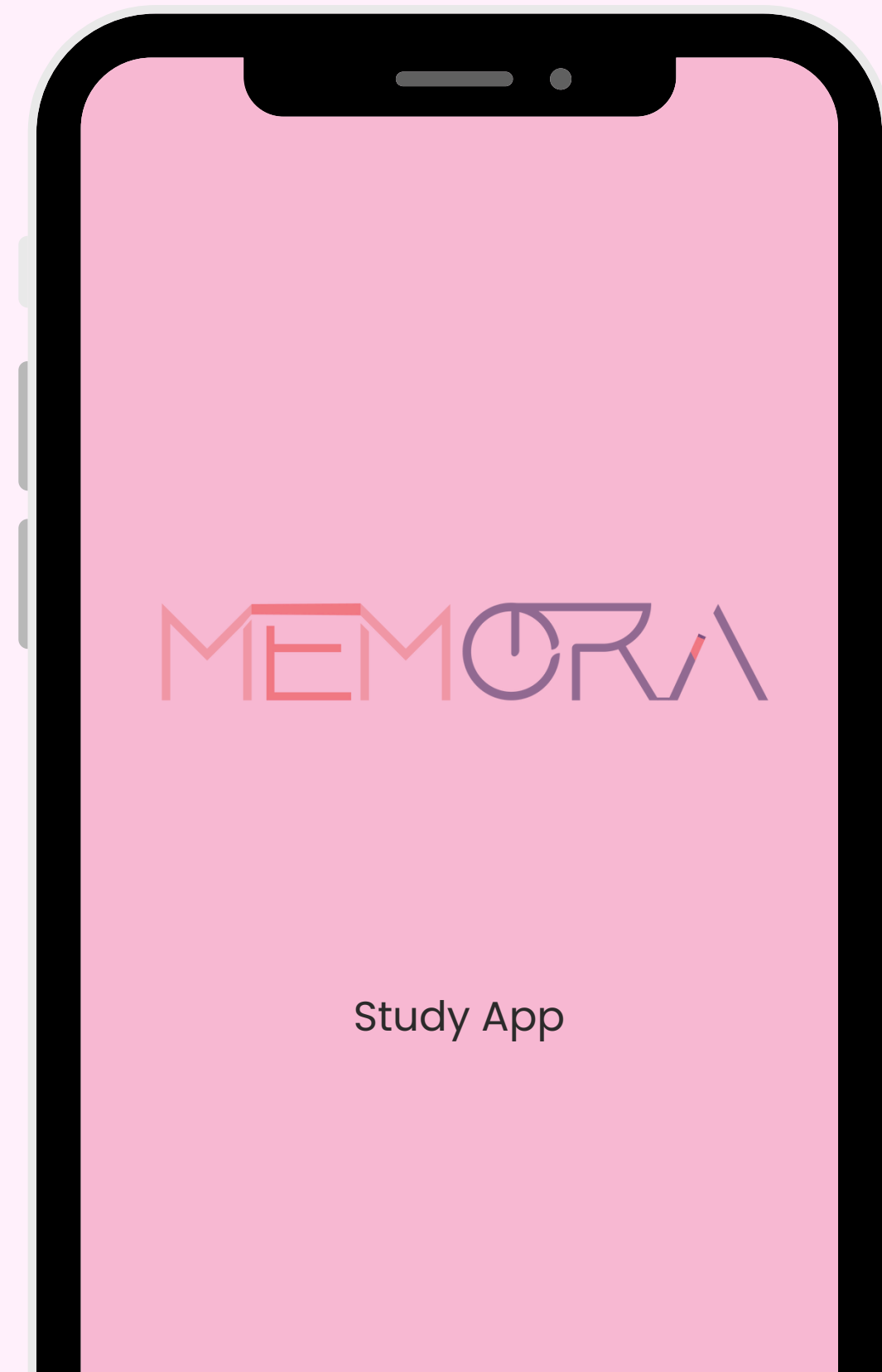
# Content :

- Introduction.
- Objectives
- Tools used.
- Features.
- Future work.



# Why Memora?

"Memora" is inspired by "memory" and memorization," emphasizing its focus on enhancing learning and retention





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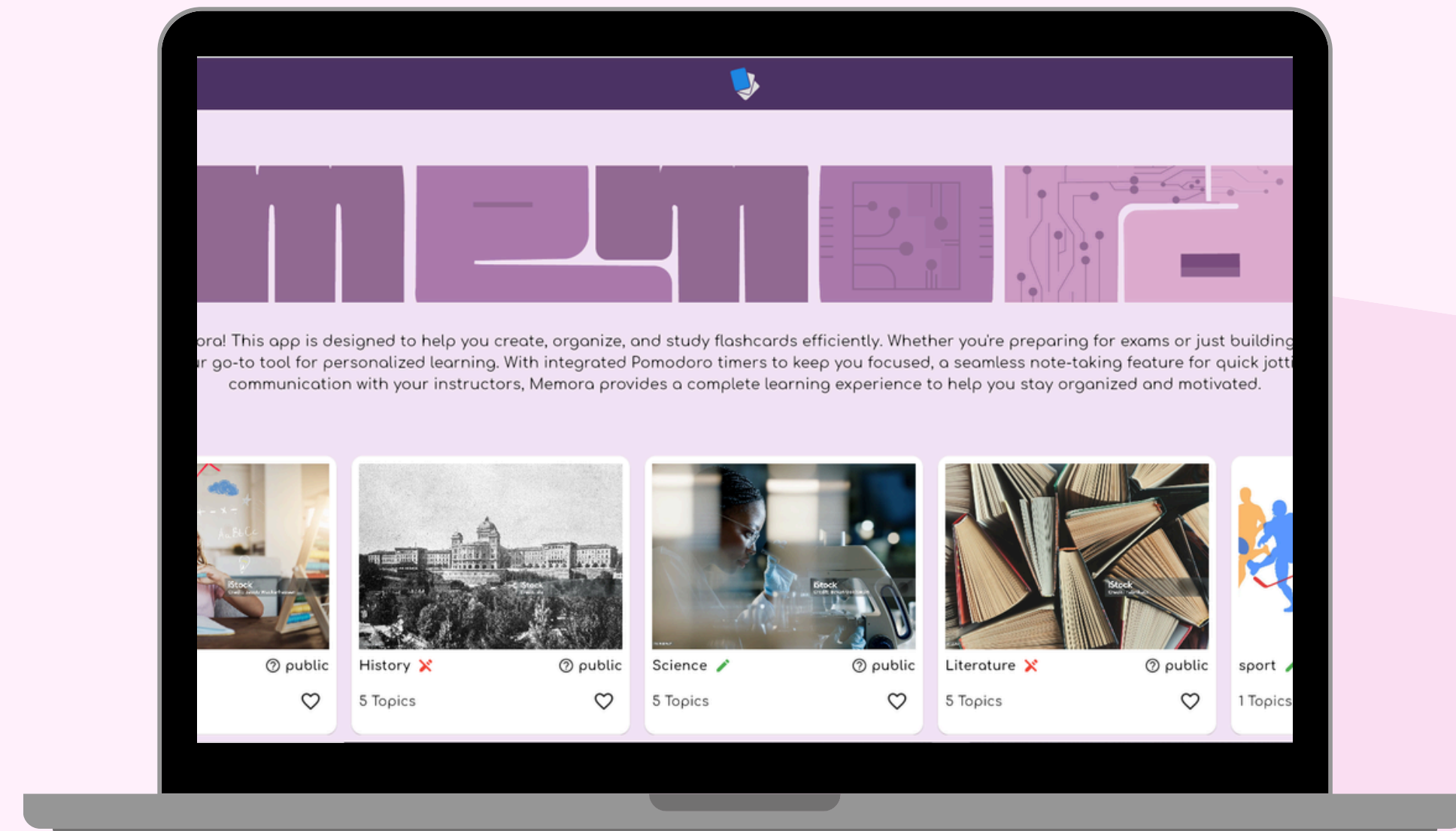
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# Introduction

Memora is a web and mobile platform designed to make learning easier and more productive for students, educators, and parents.

It includes tools like flashcards with Spaced Repetition, a Pomodoro timer for focused study, and rich-text note-taking for organization.

Memora also supports virtual classrooms, and chat features to encourage collaboration and interaction.



# Tools



Python



MongoDB



Spring Boot

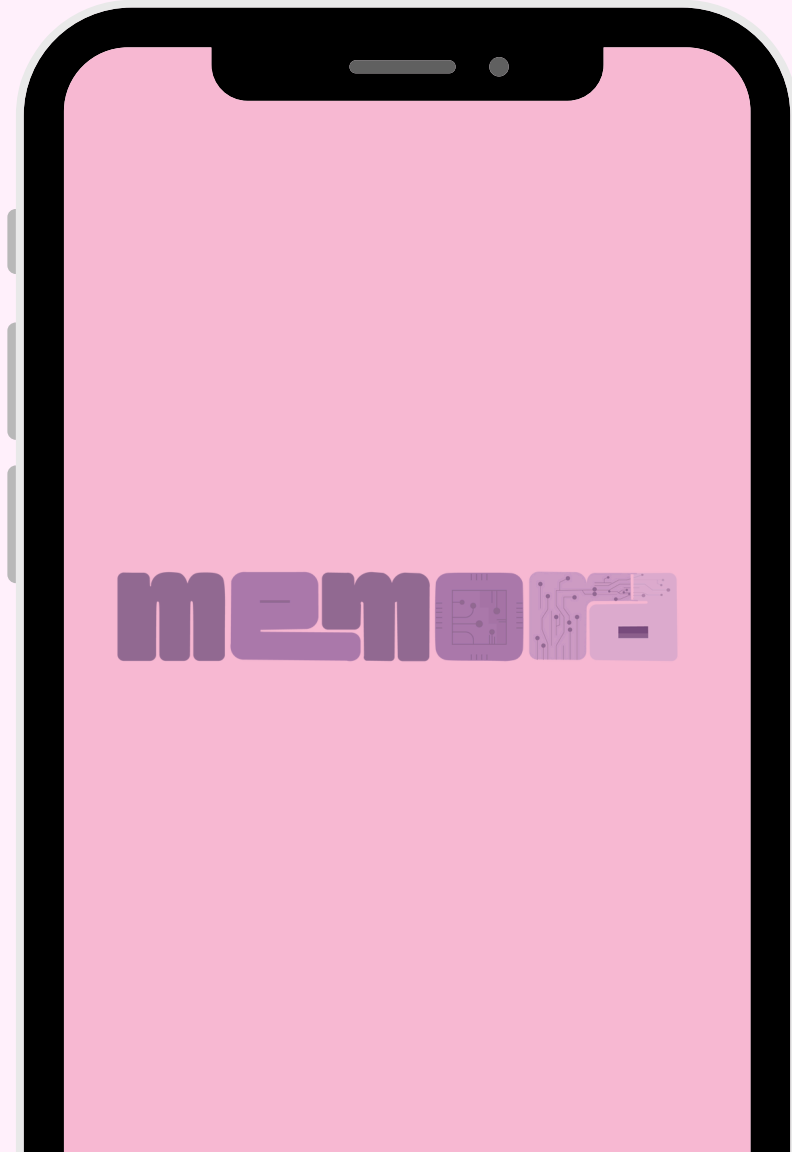


Firebase



Flutter

# Key Features



1

## Flashcards with SRS

Optimized for memory retention

2

## Pomodoro Timer

Enhances focus and productivity.

3

## Note-Taking

Structured and feature-rich for learning.

4

## Virtual Classrooms and Chat

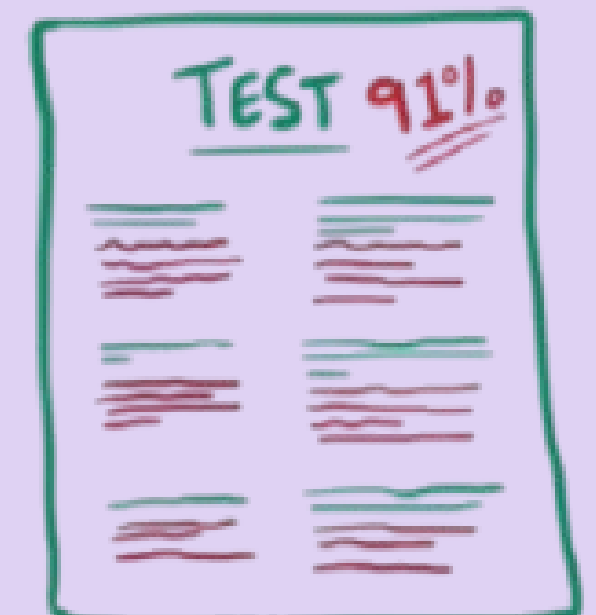
Seamless communication and collaboration.

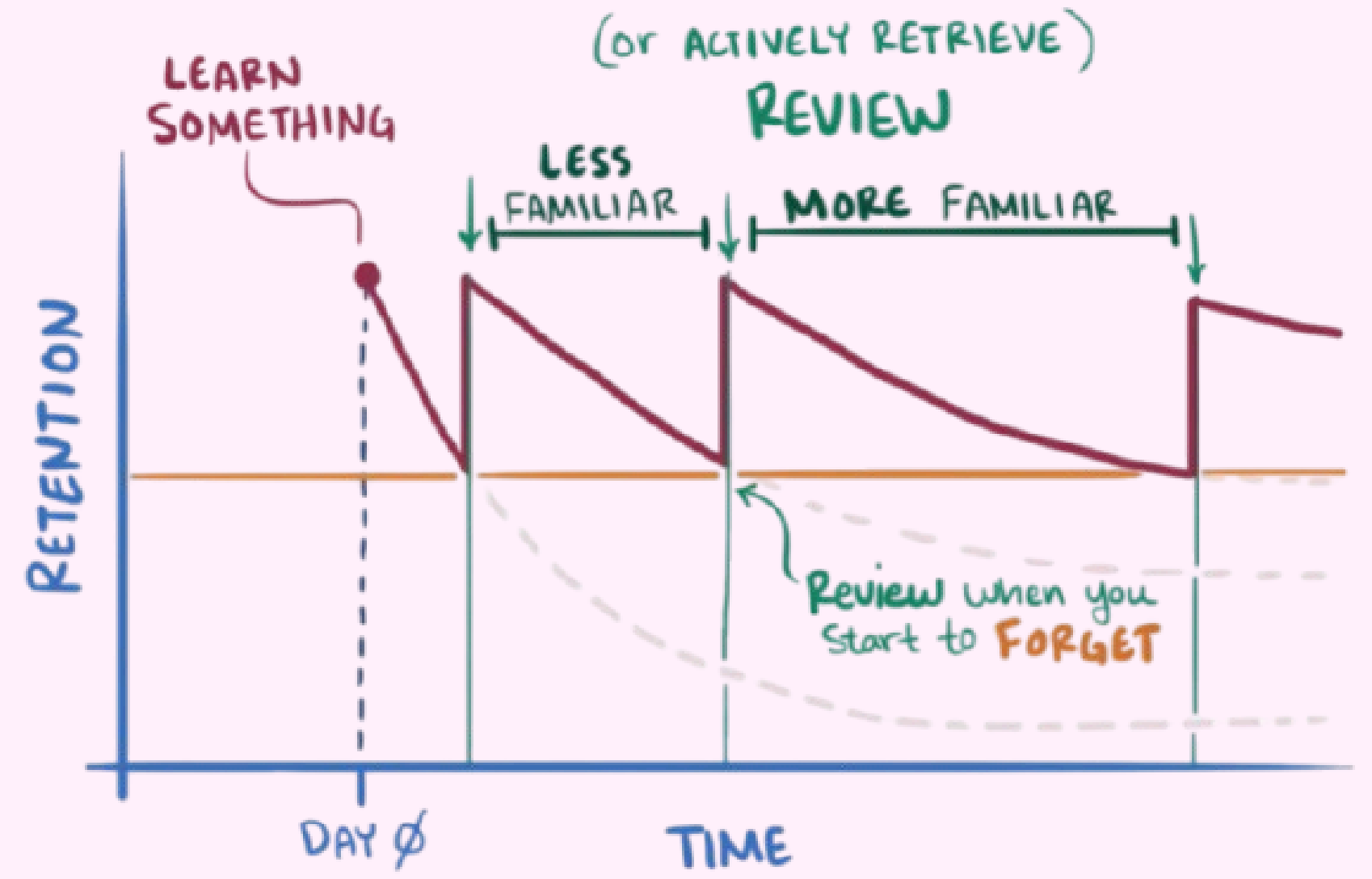
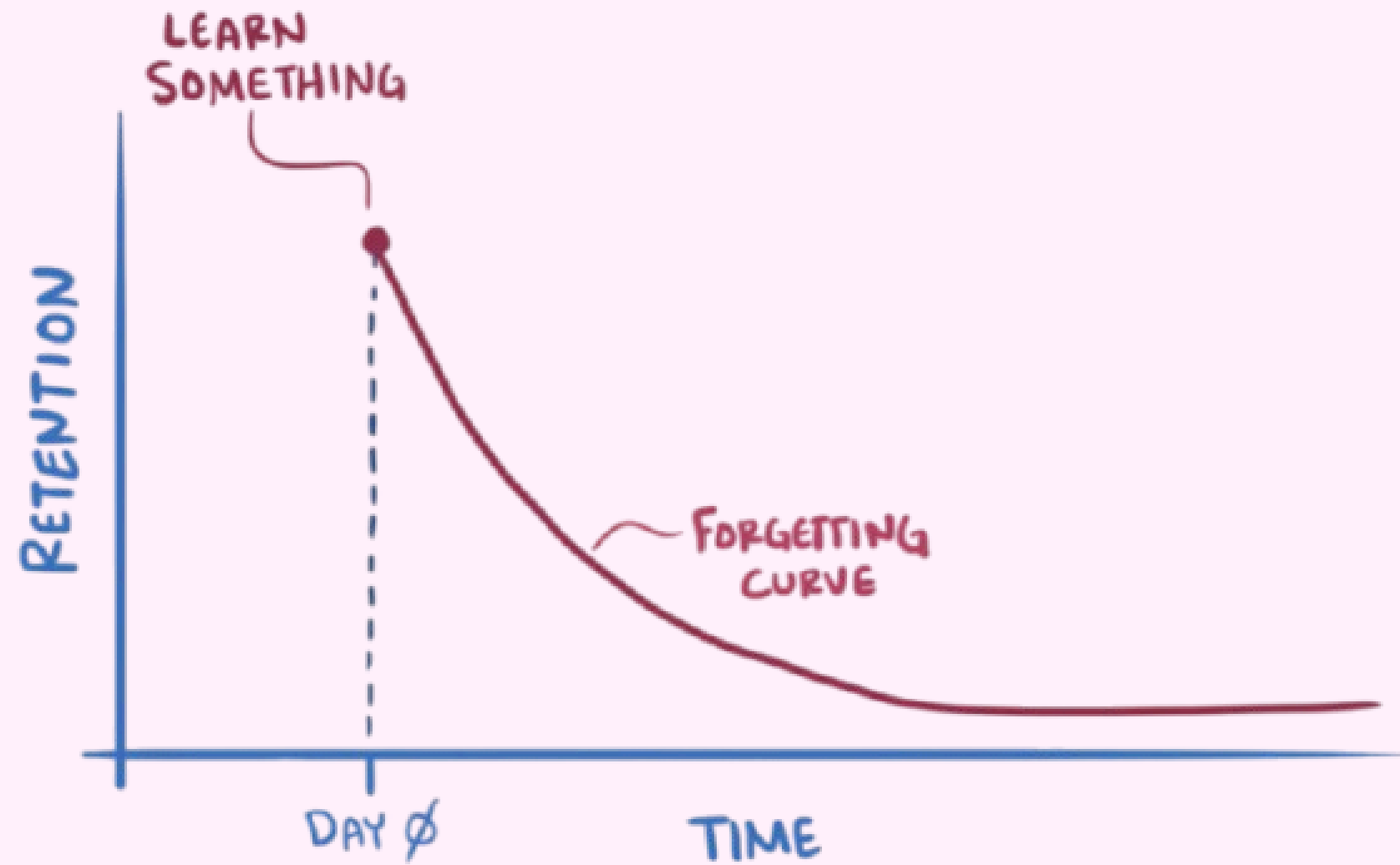
5

## Comprehensive User Roles

Tailored permissions for each role.

# Flashcard-Based Learning Core Component



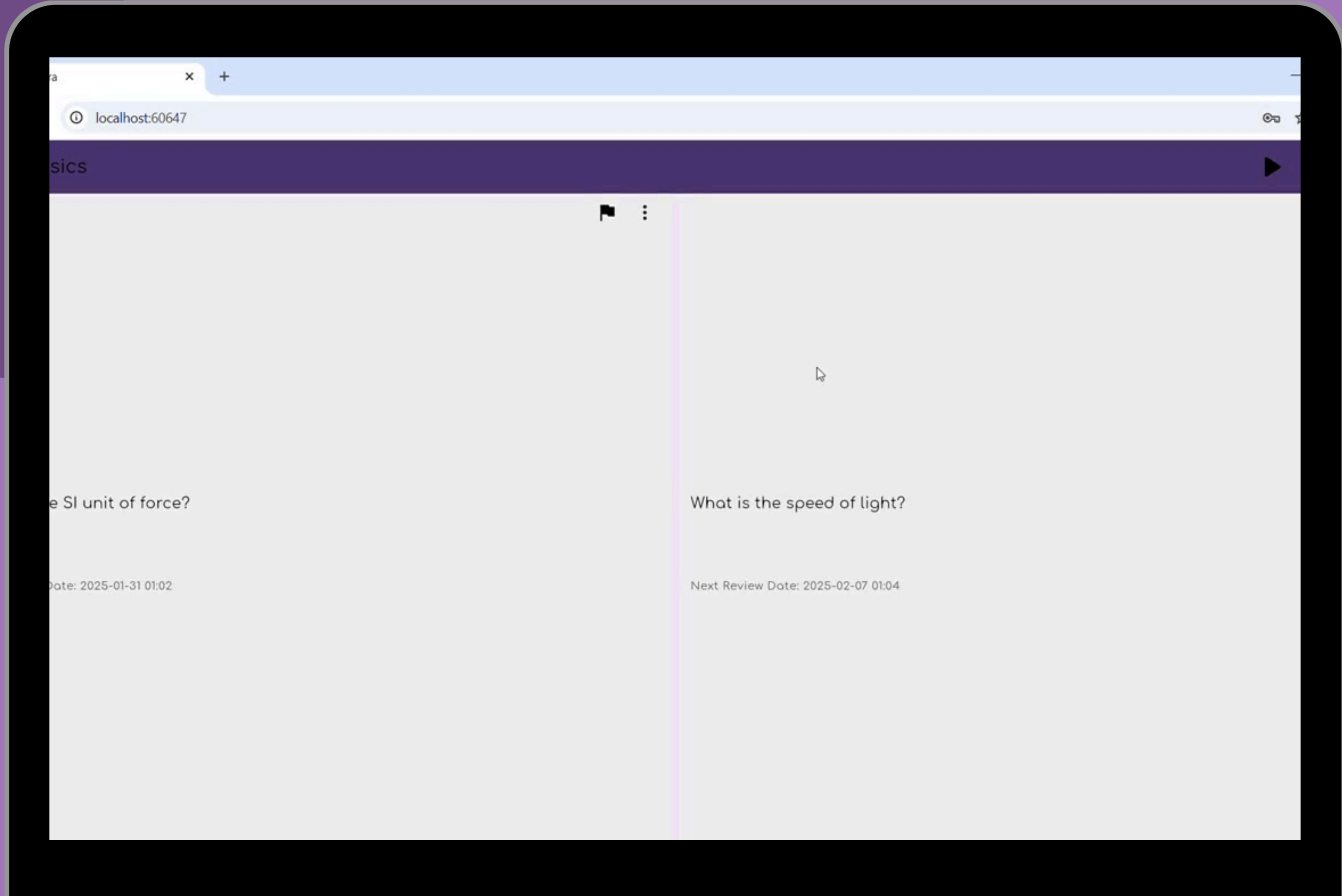


**How to solve  
such a  
problem?**

# SPACED REPETITION

\* SPACE OUT LEARNING / PRACTICE \*  
of NEW KNOWLEDGE / SKILLS \*





What is the SI unit of force?

Next Review Date: 2025-01-31 01:02

What is the speed of light?

Next Review Date: 2025-02-07 01:04



Open navigation menu

# MEMORA

Welcome to Memora! This app is designed to help you create, organize, and study flashcards efficiently. Whether you're preparing for exams or just building your knowledge, Memora is your go-to tool for personalized learning. With integrated Pomodoro timers to keep you focused, a seamless note-taking feature for quick jotting, and direct communication with your instructors, Memora provides a complete learning experience to help you stay organized and motivated.

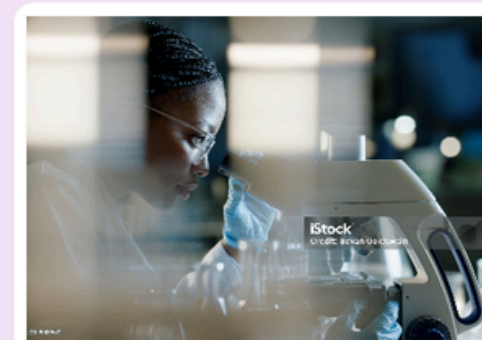
## Public Subjects



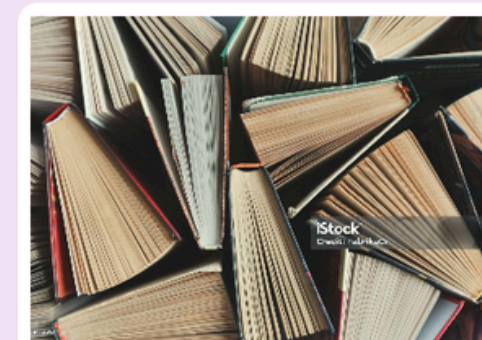
Mathematics   public  
5 Topics 



History   public  
5 Topics 



Science   public  
5 Topics 



Literature   public  
5 Topics 



sport   
1 Topics

▼ Mathematics



- Algebra
- Geometry
- Trigonometry
- Calculus
- Statistics

View All

▼ History



- Ancient Egypt
- Roman Empire
- Medieval Europe
- World War I
- Cold War

View All

▼ Science

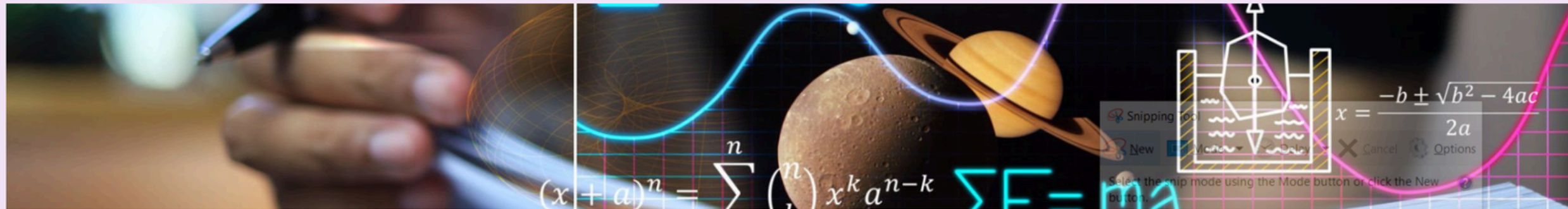


- Physics



Number of Flashcards: 24 Flashcards

2 3 19



Statistics

Upload Flashcard

Quick Study

Preview flashcards before starting the study session

Preview area with two empty flashcard slots and a plus button.

localhost:60647

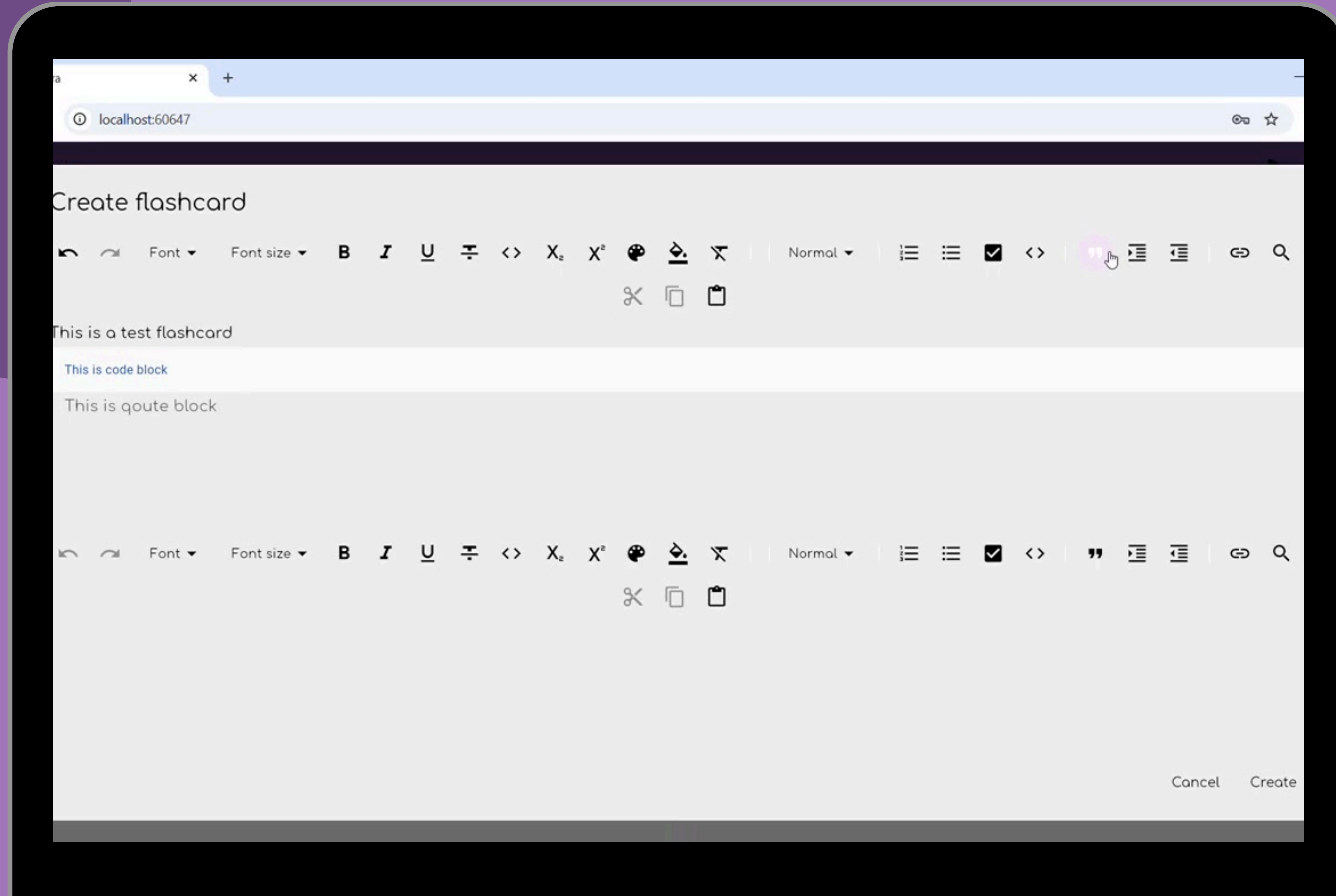
sics

the formula for **Newton's second law of motion**?  
second law:

Date: 2025-02-02 01:04

What is the speed of light in a vacuum?

Next Review Date: 2025-02-02 01:06



Preview flashcards before starting the study session

🚩 ⋮

- Download
- Share
- Generate QR Code

What is the formula for **Newton's second law of motion**?

Newton's second law:

1.  $F=ma$

Next Review Date: 2025-02-02 01:04

What is the speed of light in a vacuum?

Next Review Date: 2025-02-02 01:06



# CATEGORIZE USING FLAGS

What is the formula for **Newton's second law of motion?**  
 Newton's second law:  
 1.  $F=ma$

Next Review Date: 2025-02-02 01:04

Next Review

- No Flag
- Red
- Orange
- Green
- Blue
- Pink
- Turquoise
- Purple

## SHARE OPTIONS

Enter File Name

Test2

Cancel

OPTION 1

☆

↓

Test2.wewe

1,193 B • Done

📁

📄

OPTION 2

Select a User to Share

Lama Ibrahim Razan Dwekat Wafa'a Jawad Tasneem Jawabreh Yara Ibrahim

Scan this QR code with your camera

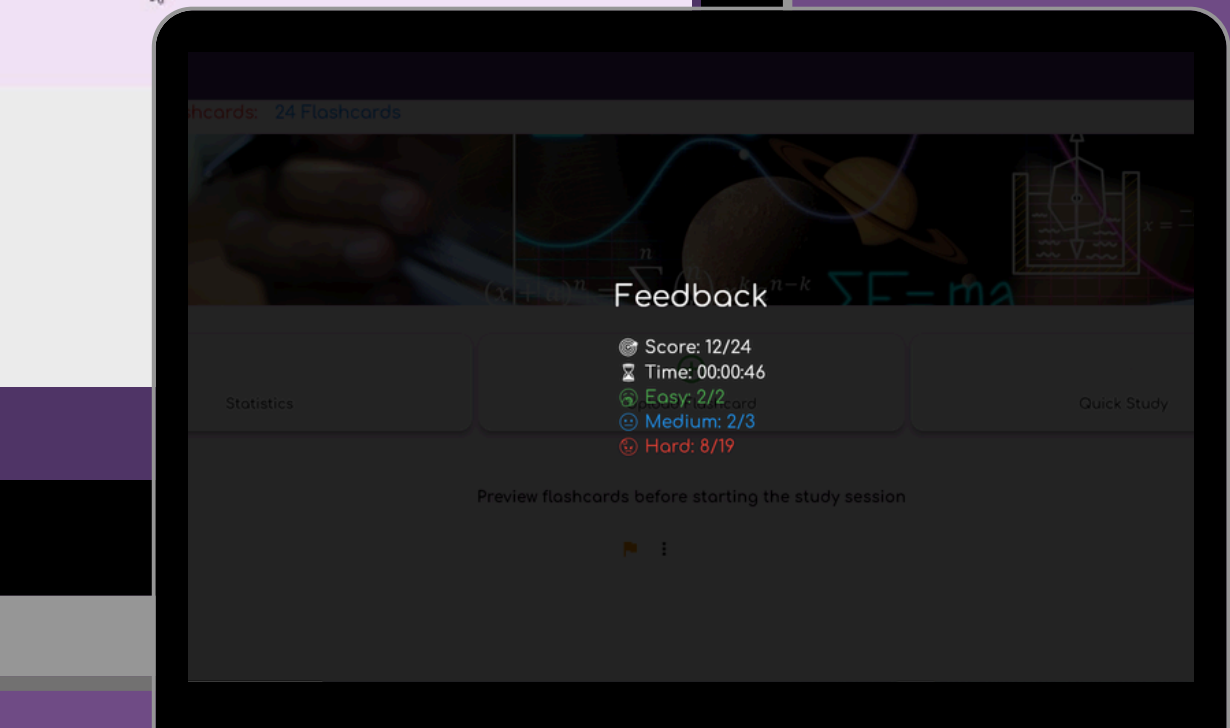
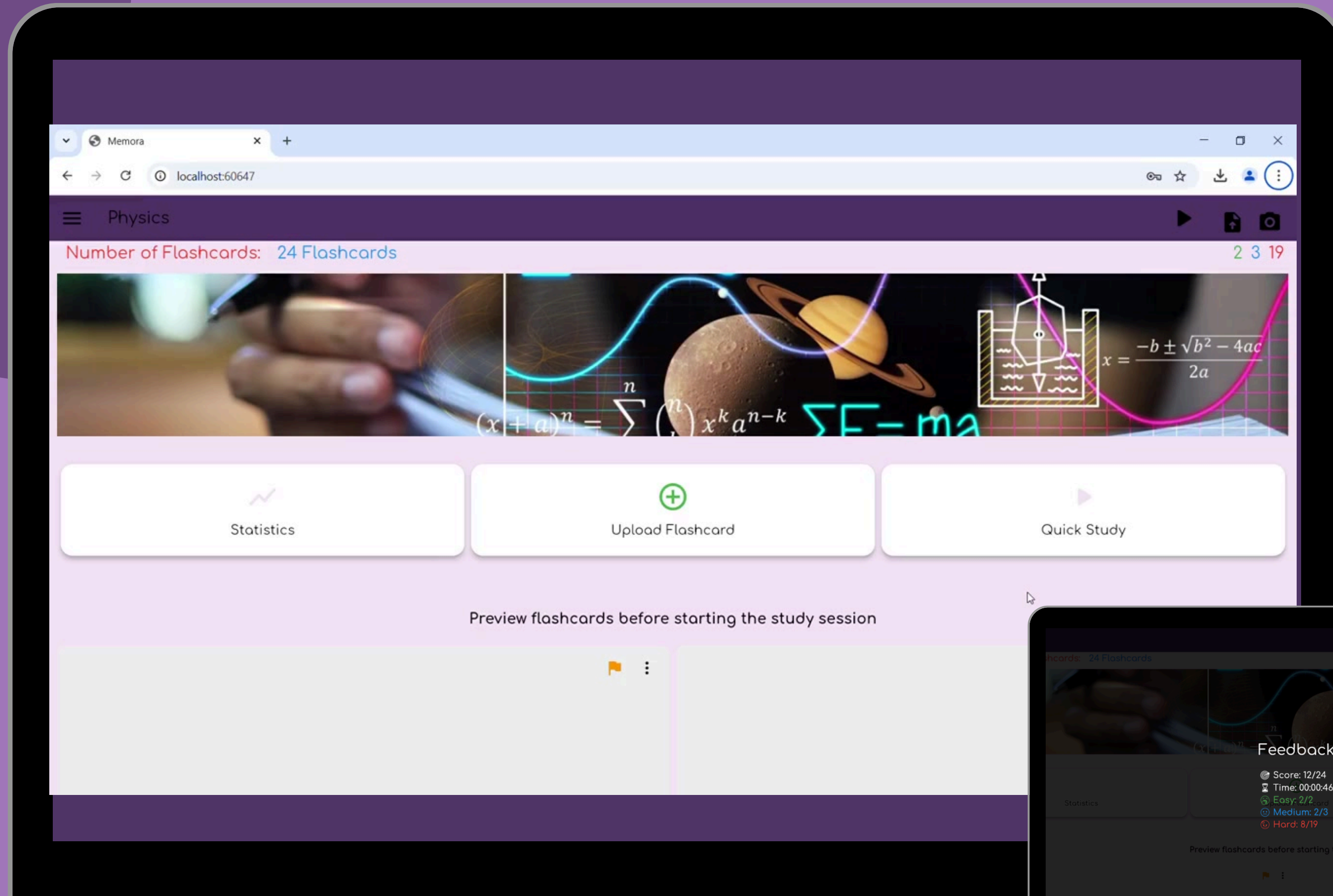
Close

▶

📄

📷

OPTION 3



# BEFORE

What is the speed of light in a vacuum?

Next Review Date: 2025-02-02 01:06

---



# AFTER

What is the speed of light in a vacuum?

Next Review Date: 2025-02-08 12:23

---

Study History

Past study sessions

29	Statistics 2 3 0	60.00% 00:00:12
28	Algebra 2 0 0	50.00% 00:00:06
27	Algebra 2 0 0	50.00% 00:00:08
26	Algebra 2 0 0	100.00% 00:00:06
25	Algebra 2 0 0	0.00% 00:00:11
24	Algebra 2 0 0	
23	Algebra 2 0 0	
22	Algebra 2 0 0	
21	Algebra 2 0 0	
20	Algebra 2 0 0	
19	Algebra	

Flashcards: 24 Flashcards

### Topic Statistics

Last study session you've done - Correct vs Incorrect Answers

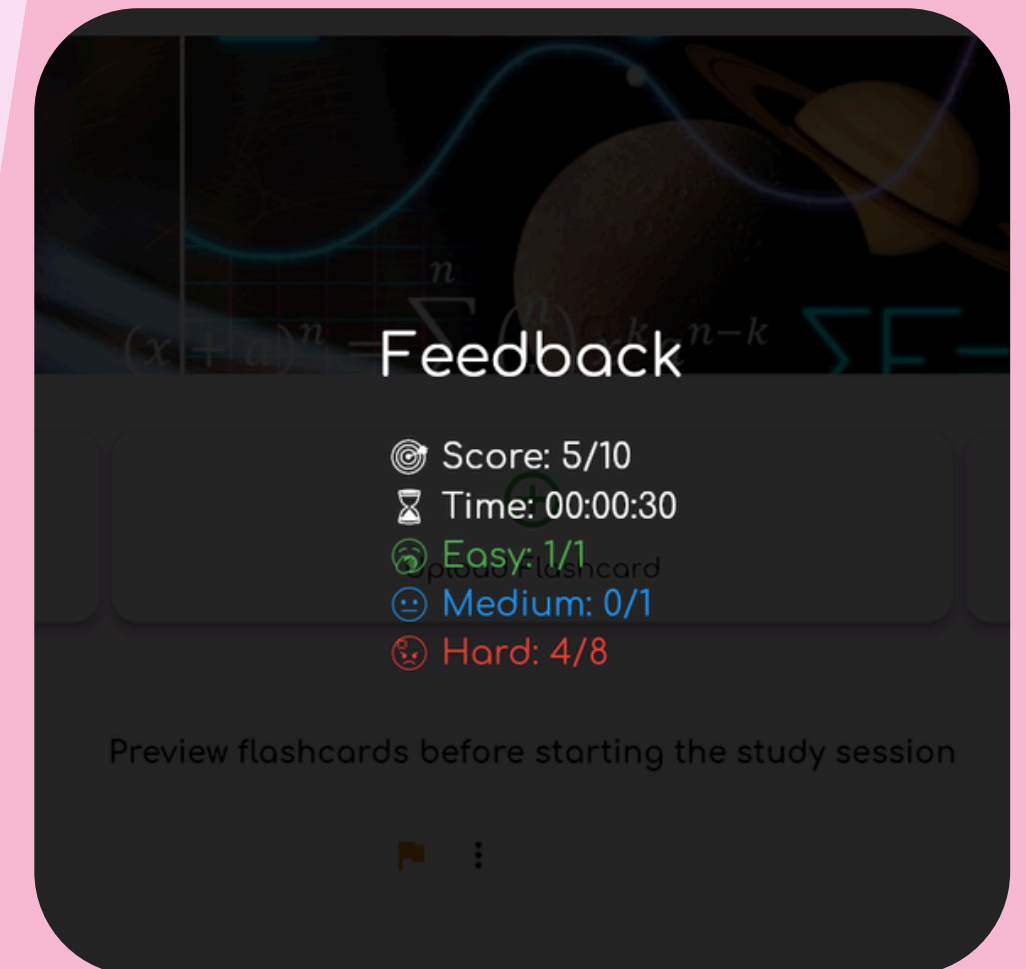
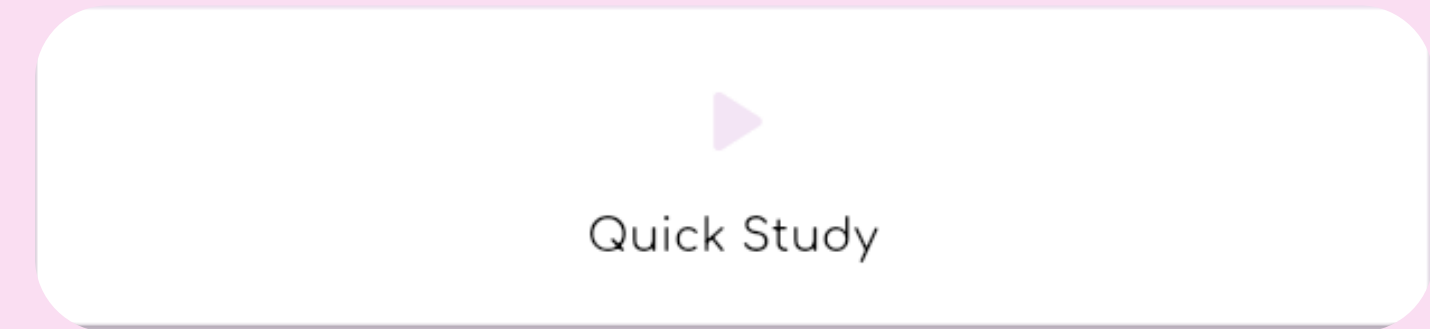
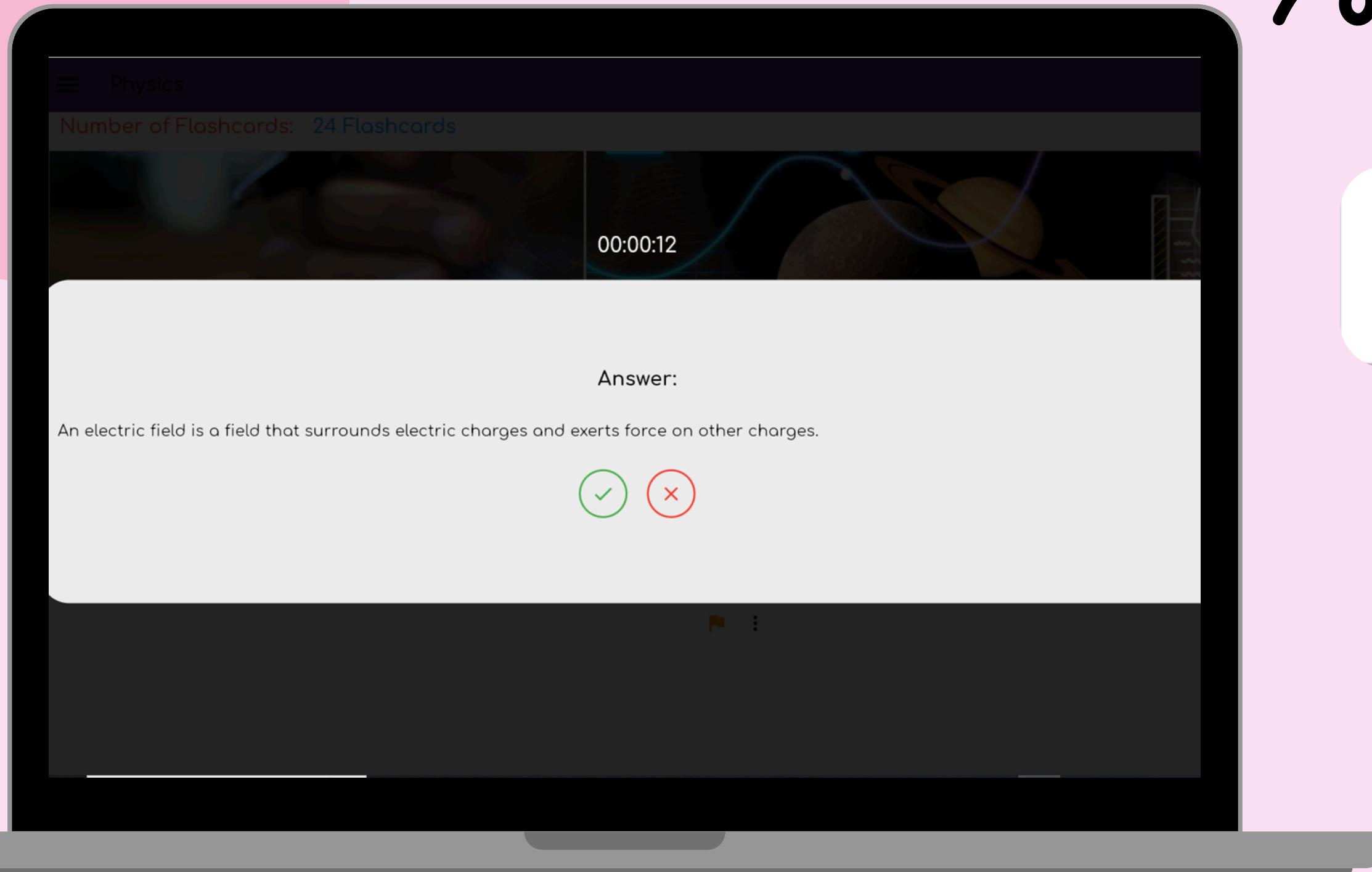
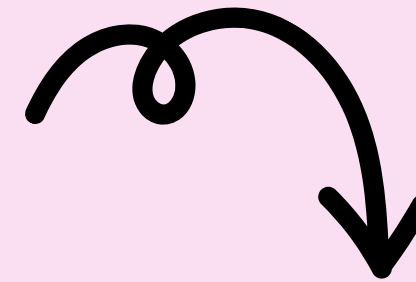
Active (61%) Inactive (39%)

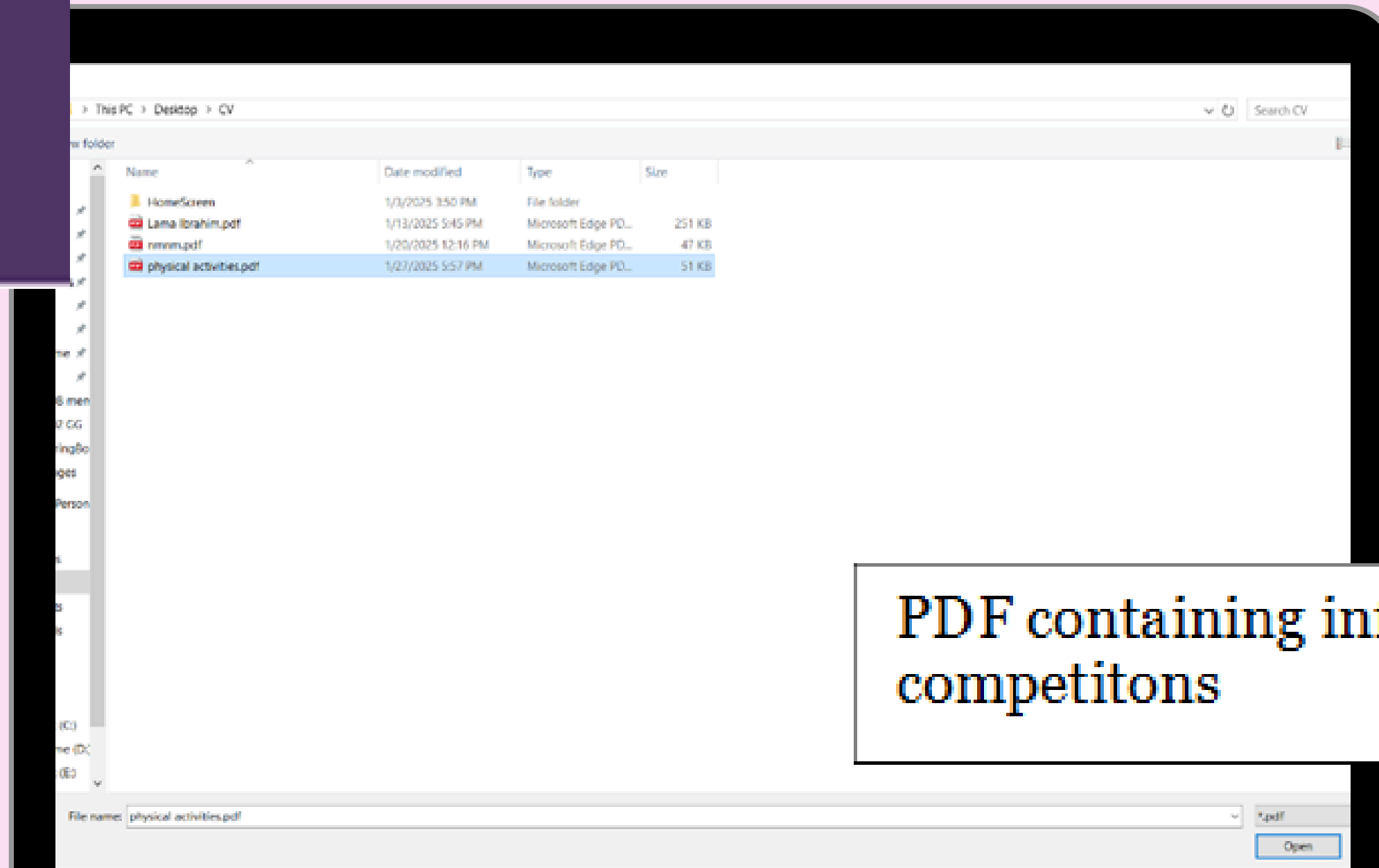
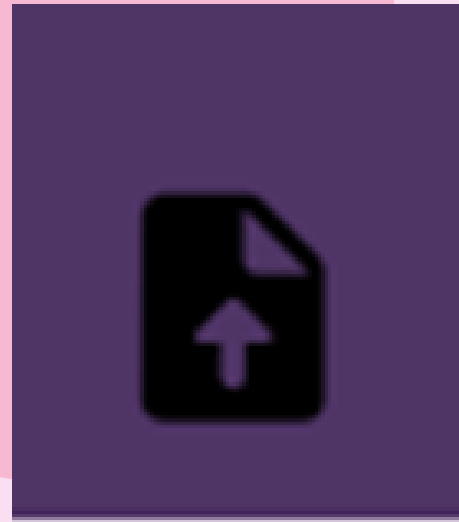
Right: 60.9%

### Correct Answer Percentage per Session

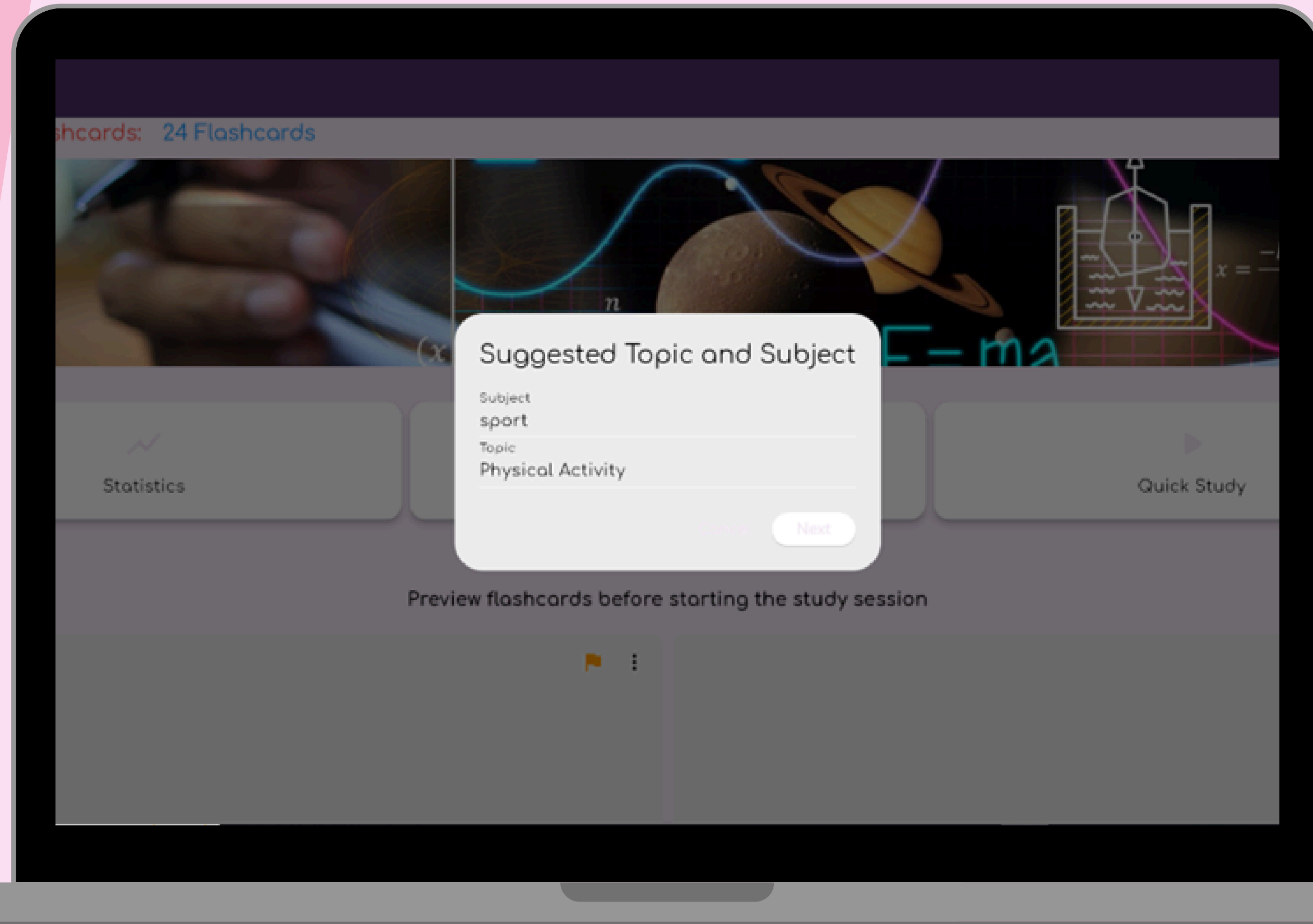
Session	Percentage
Session 1	19.9%
Session 2	21.8%
Session 3	16.3%
Session 4	17.9%
Session 5	19.9%

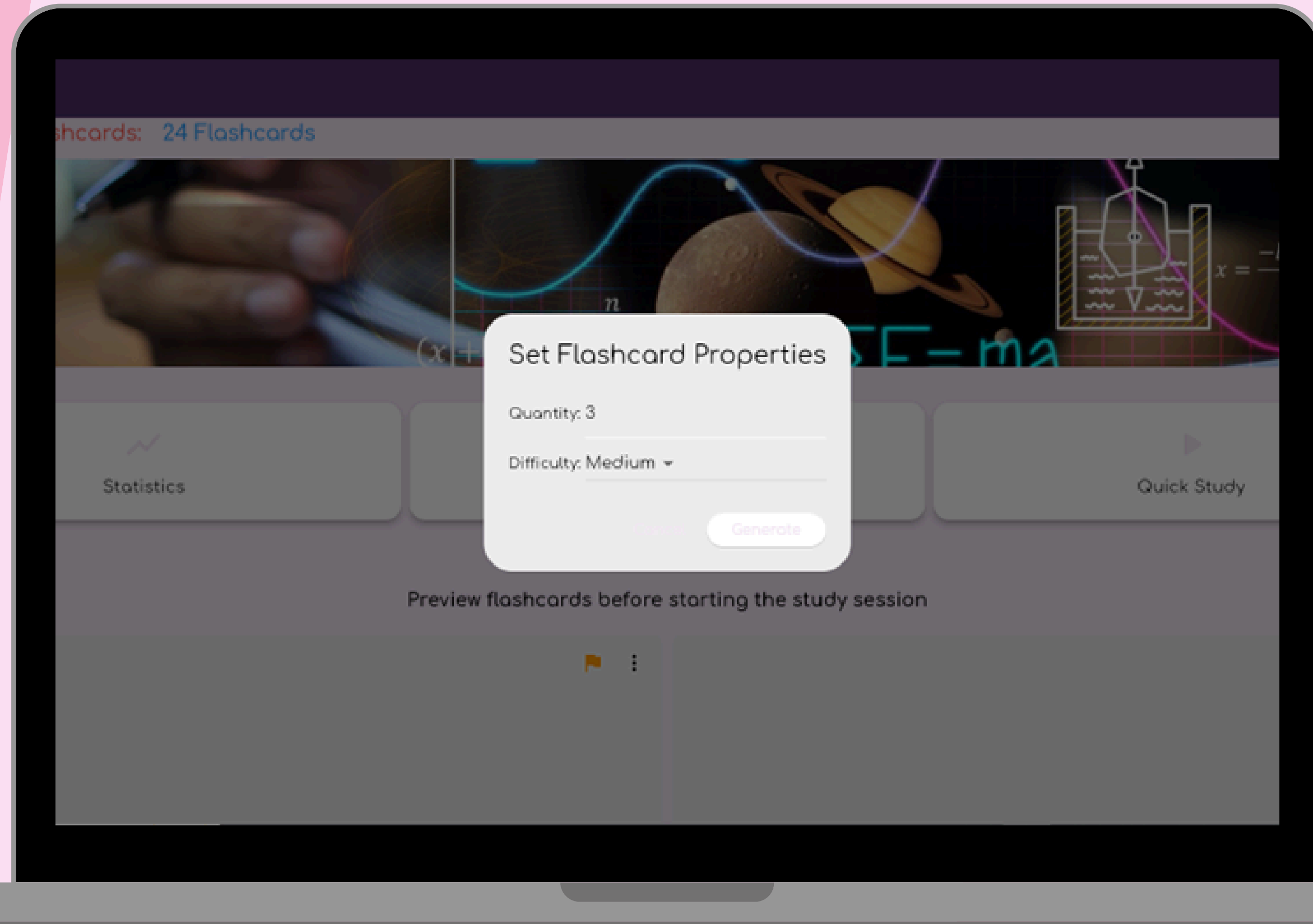
Statistics Quick Study





PDF containing info about physical competitions





▼ sport

Physical Activity



Physical Activity

Flashcards: 3 Flashcards



Statistics



Upload Flashcard



Quick Study

Preview flashcards before starting the study session



← Question Posts

Question Posting Section

This section is designed for asking questions to experts, instructors, or even everyday users who share their knowledge. Feel free to post your question and get answers from the community!

Would you like to post a question?

Your Questions:

 Razan Dwekat

How do I solve a quadratic equation?

 6  2

general

education

  Solved

 Razan Dwekat

I think there's a mistake in this flashcard, isn't it?

 0  0

physics

education

mistaken flashcard

  Unsolved

Available Questions:

 Lama Ibrahim

In the context of thermodynamics, consider a closed system where an ideal gas undergoes a cyclic process consisting of an isothermal expansion, an adiabatic compression, and an isochoric heating. Given the initial state variables (pressure  $P_1$ , volume  $V_1$ , and temperature  $T_1$ ), derive the expressions for the work done, heat

  Unsolved

← Question Posts

### Question Posting Section

This section is designed for asking questions to experts, instructors, or even everyday users who share their knowledge. Feel free to post your question and get answers from the community!

Would you like to post a question?

Write

Preview

Question Content (markdown supported)

The content of this flashcard is mistaken, isn't it?

Attach Image

Attach File

Upload Flashcard (.wewe)

Tags (comma separated)

mistake, fix, physics

Flashcard loaded successfully!

← Question Details

See all questions

Unresolved

Razan Dwekat

The content of this flashcard is mistaken, isn't it?

Flashcards:

What is the formula for Newton's second law of *motion?*

Go to this flashcards deck

Created on: Jan 31, 2025

0 likes 0 comments

Tags:

# mistake # fix # physics

Write a comment...

Comments

← Question Details

See all questions

Unresolved

Razan Dwekat

The content of this flashcard is mistaken, isn't it?

Flashcards:

What is the formula for Newton's second law of *motion*?

Go to this flashcards deck

Created on: Jan 31, 2025

0 likes 0 comments

Tags:

# mistake # fix # physics

Write a comment...

Comments

Wafa'a Jawad


Yes, there's a mistake, the correct formula must be  $F = ma$ .

Posted on: Jan 31, 2025

0 likes

0 replies

← Question Details See all questions


 Razan Dwekat ✓ Solved

The content of this flashcard is mistaken, isn't it?

Flashcards:

What is the formula for Newton's second law of **motion?** Go to this flashcards deck


Created on: Jan 31, 2025

♥ 0  0

Tags:

# mistake # fix # physics

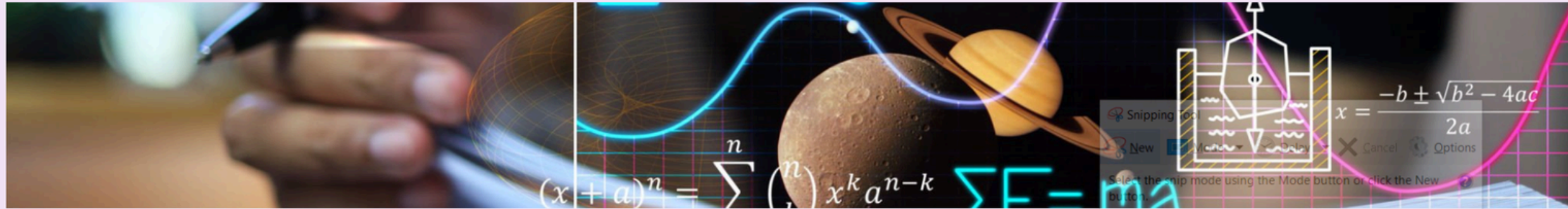
Comments

 Wafa'a Jawad ✓

Yes, there's a mistake, the correct formula must be  $F = ma$ .

Posted on: Jan 31, 2025

♥ 0 likes ↩ 0 replies



Statistics

Upload Flashcard

Quick Study

Preview flashcards before starting the study session

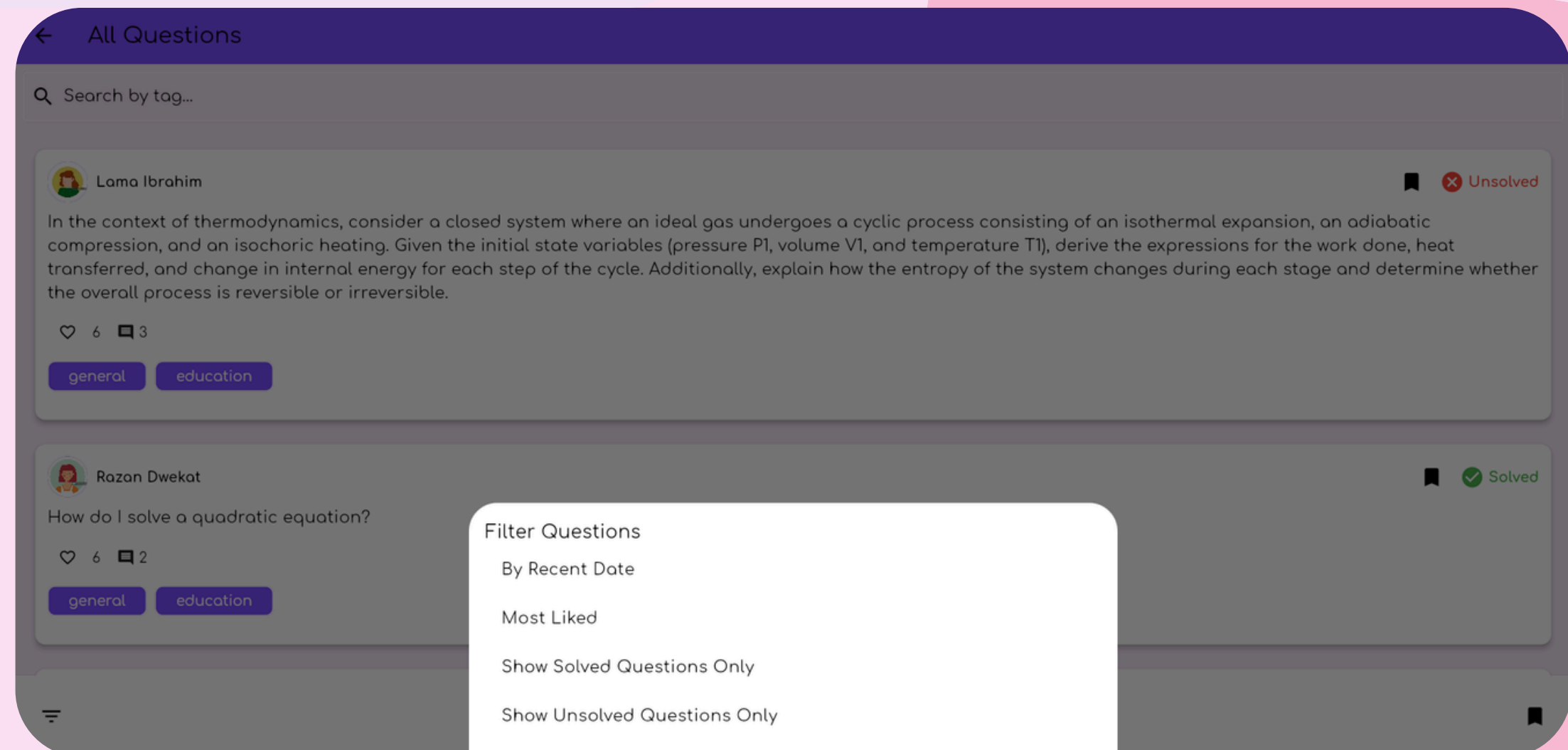
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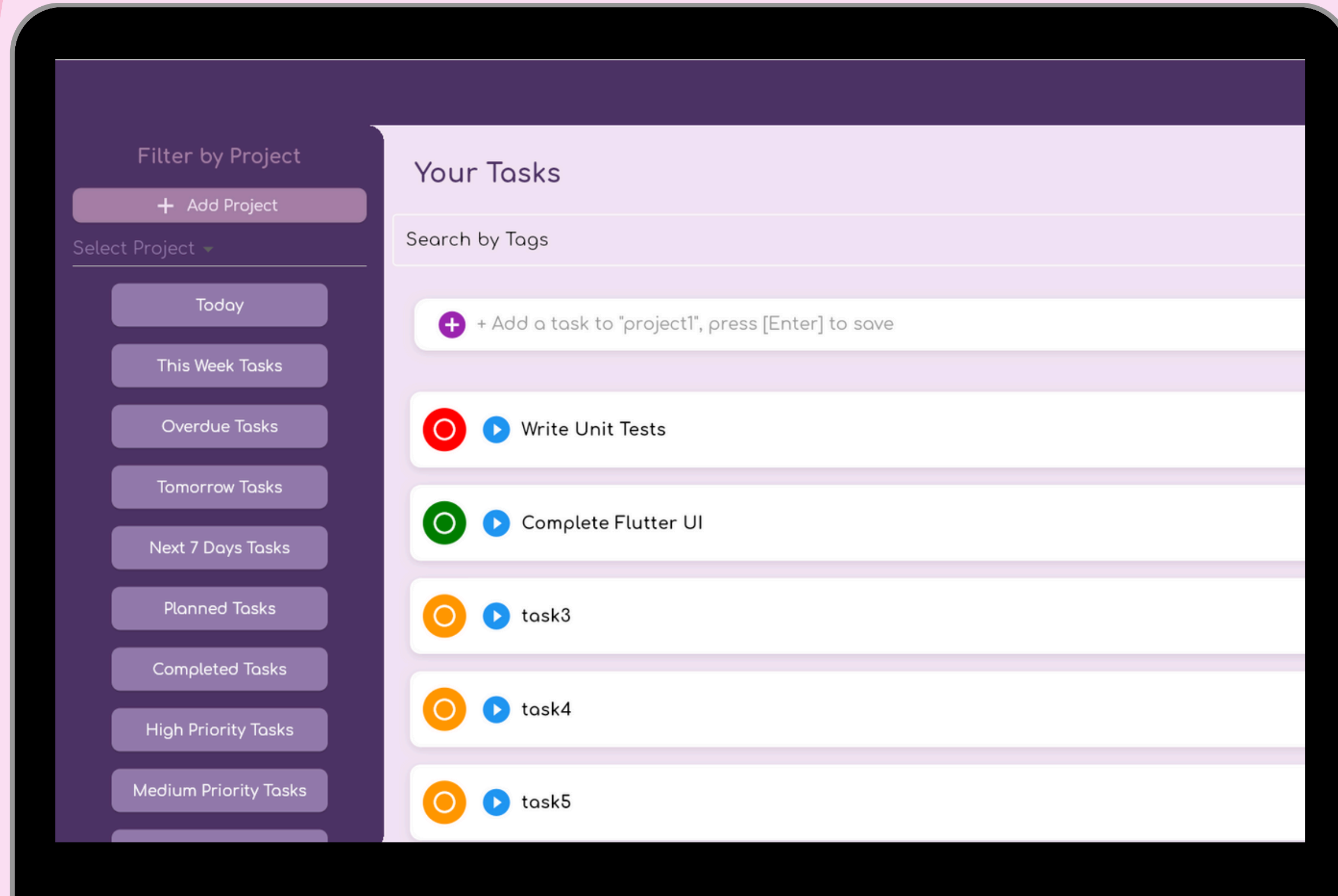


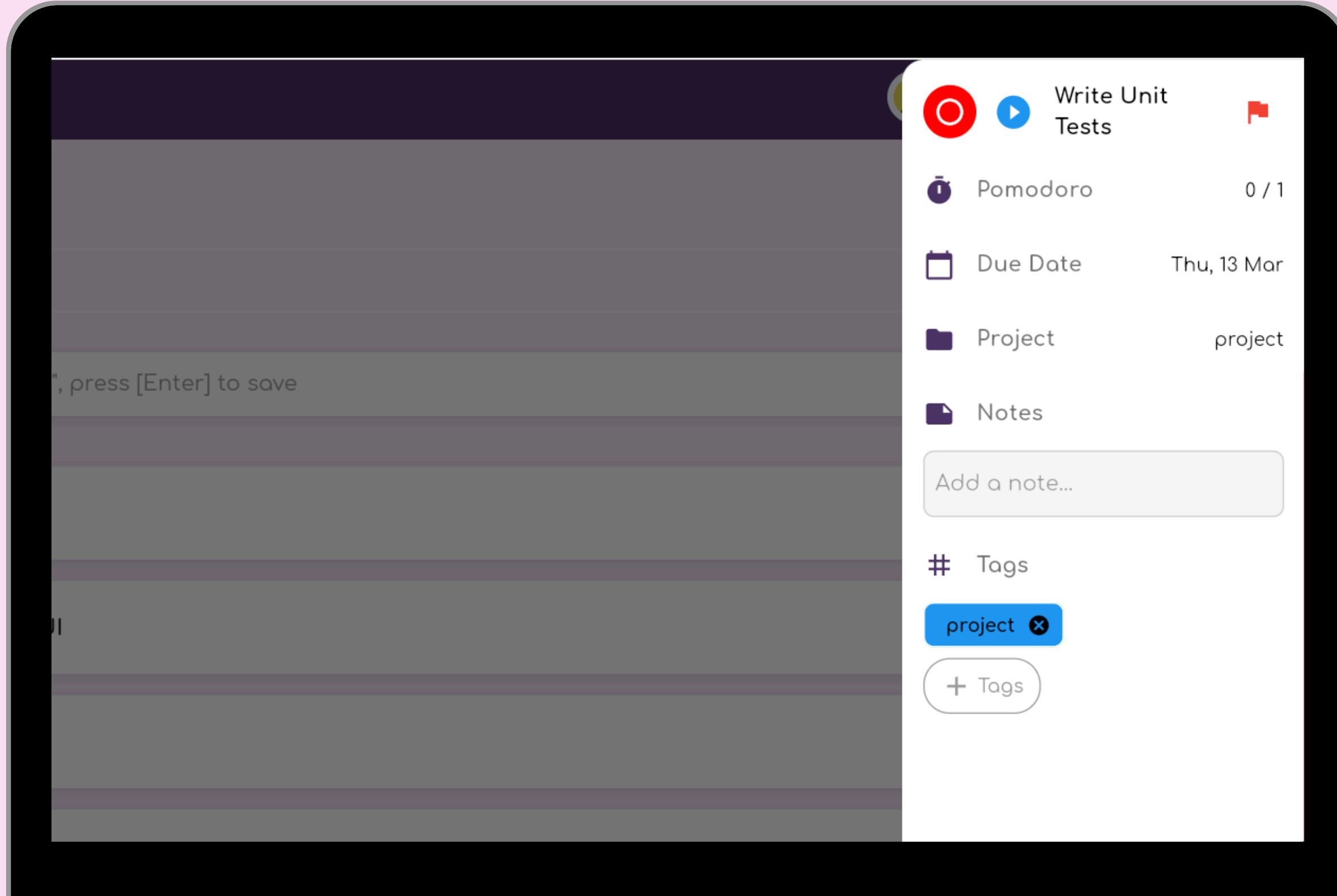
# SEARCH BY TAG




## FILTER BY:


1. Recent date
2. Most liked
3. Solved questions
4. Unsolved questions










  Write Unit Tests 


 Pomodoro 0 / 1

 Due Date Thu, 13 Mar

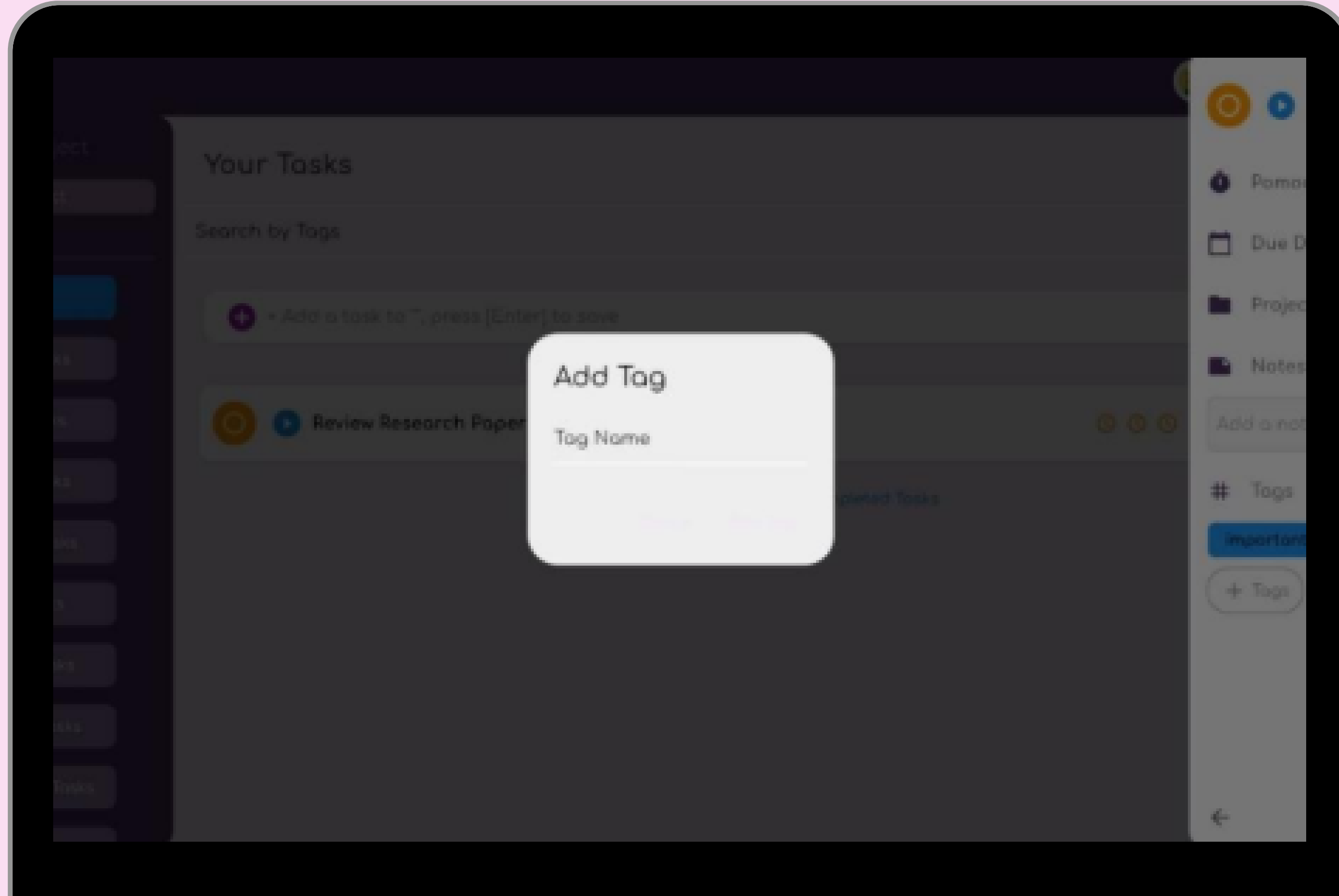
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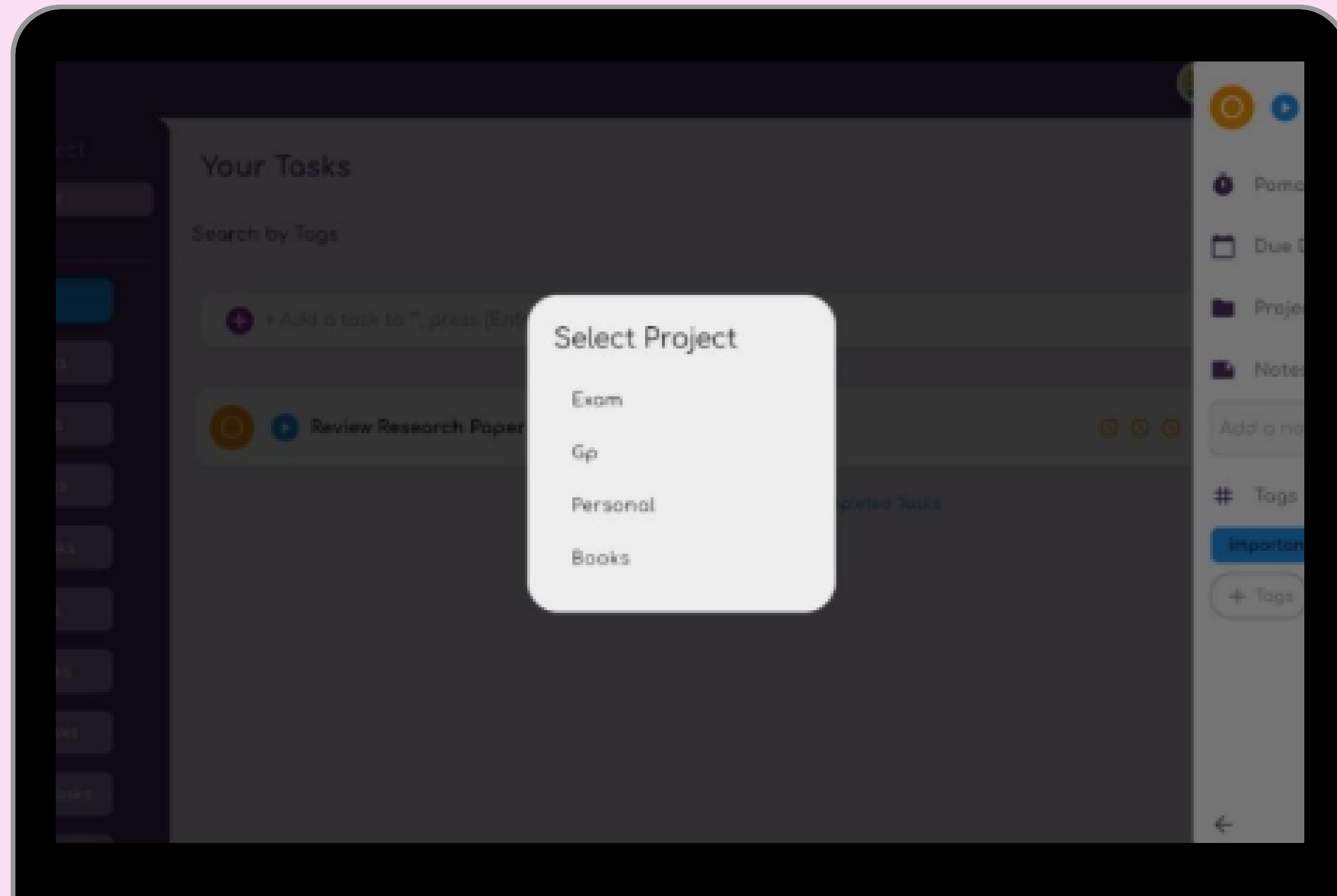
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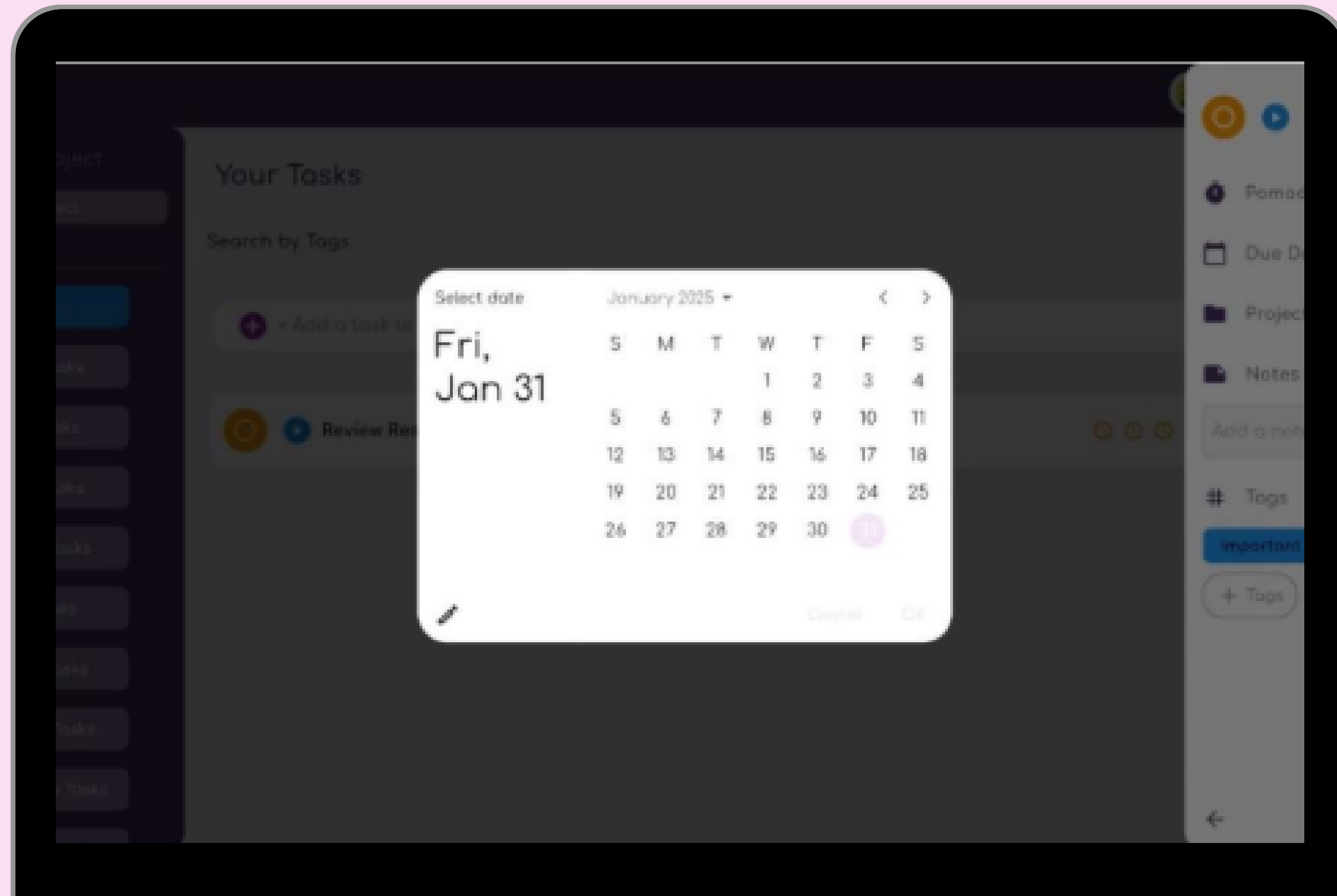
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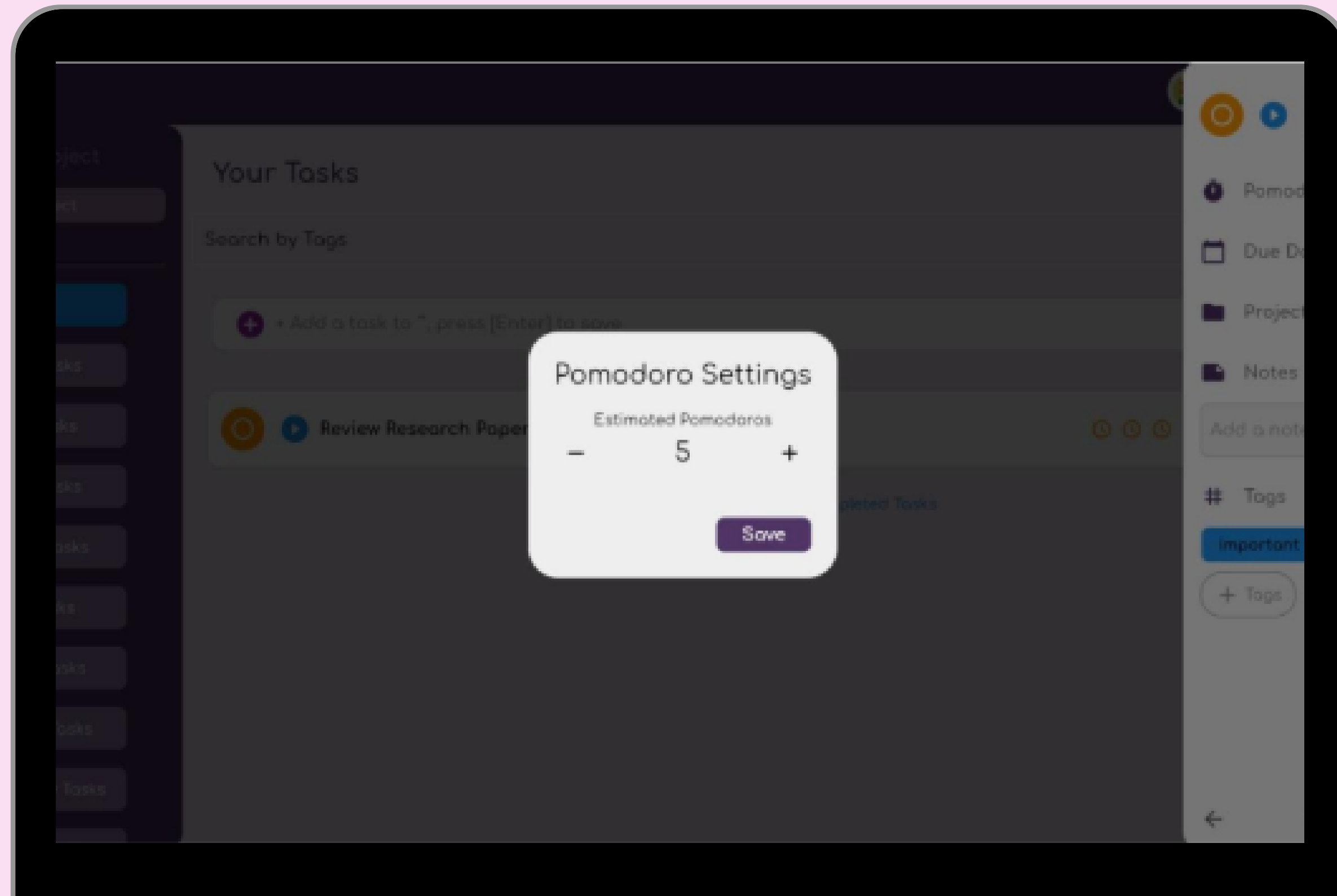
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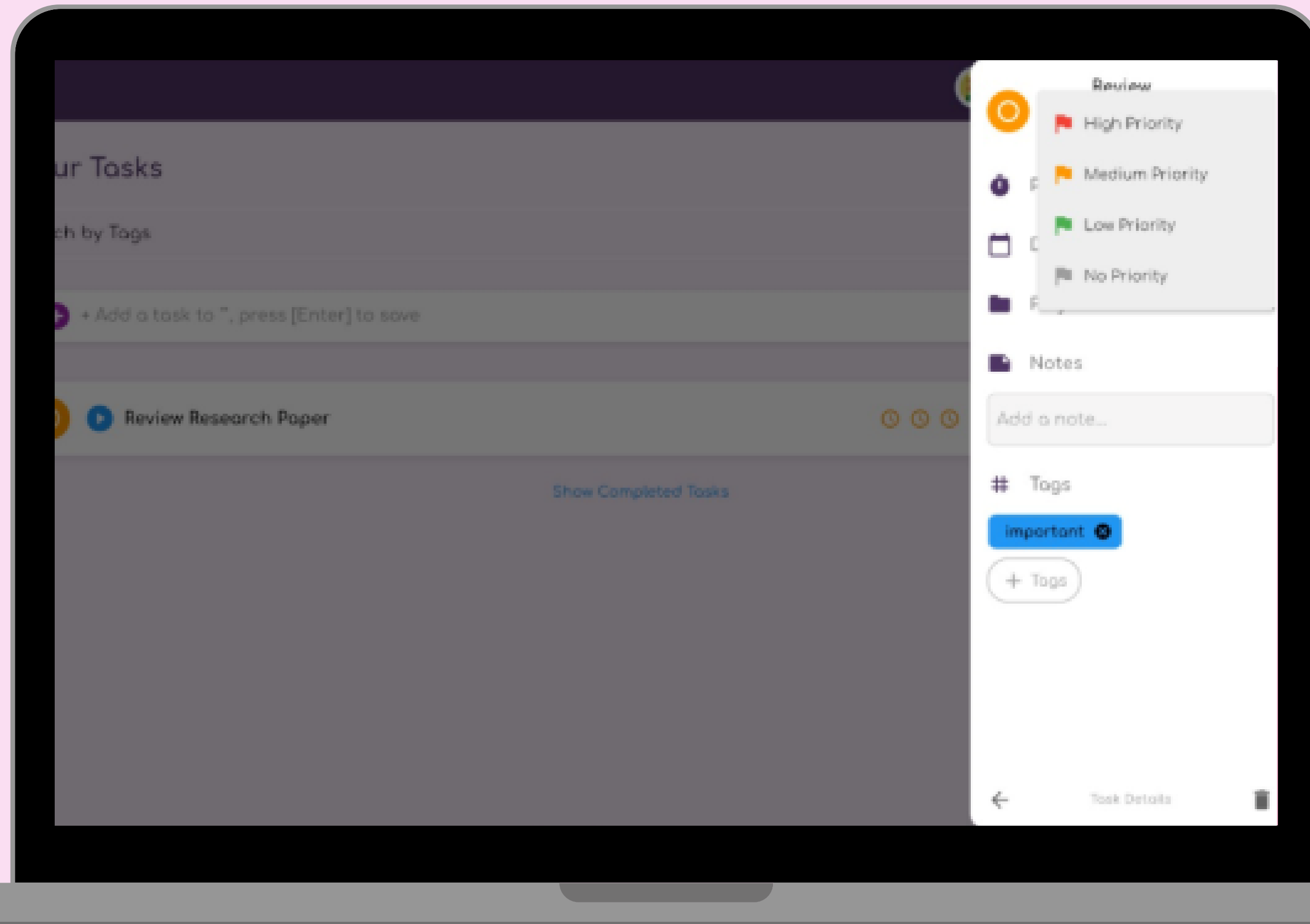
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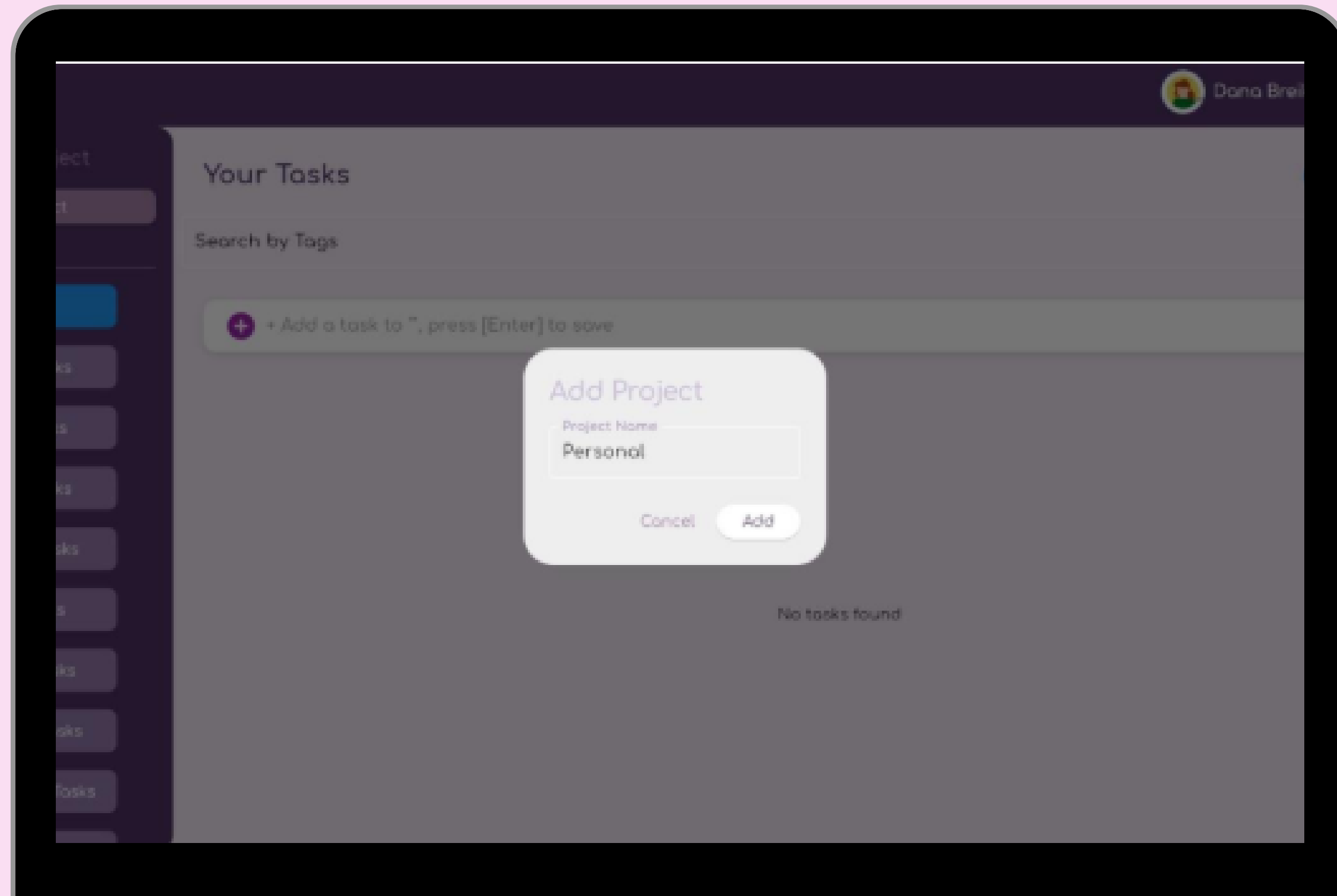


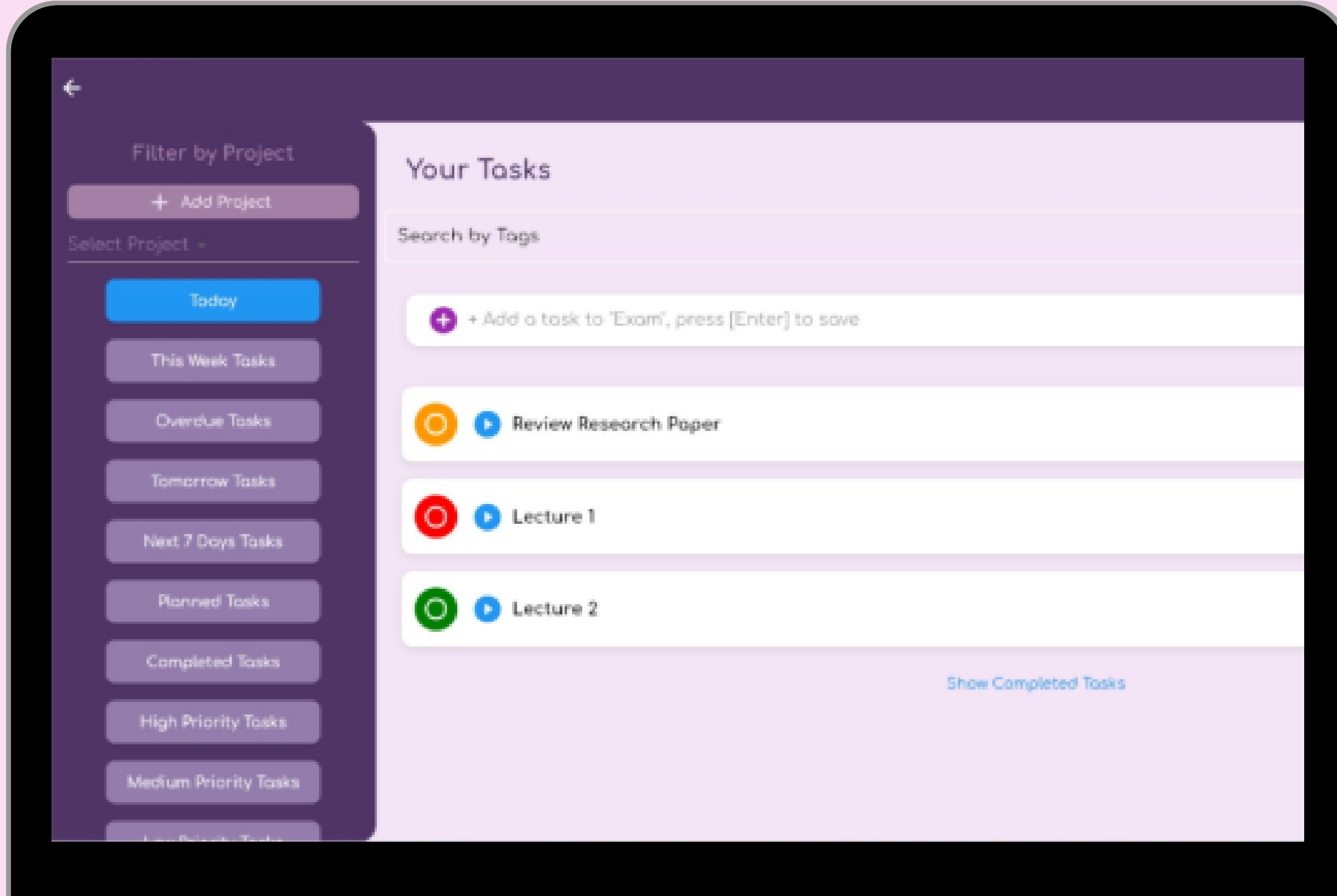


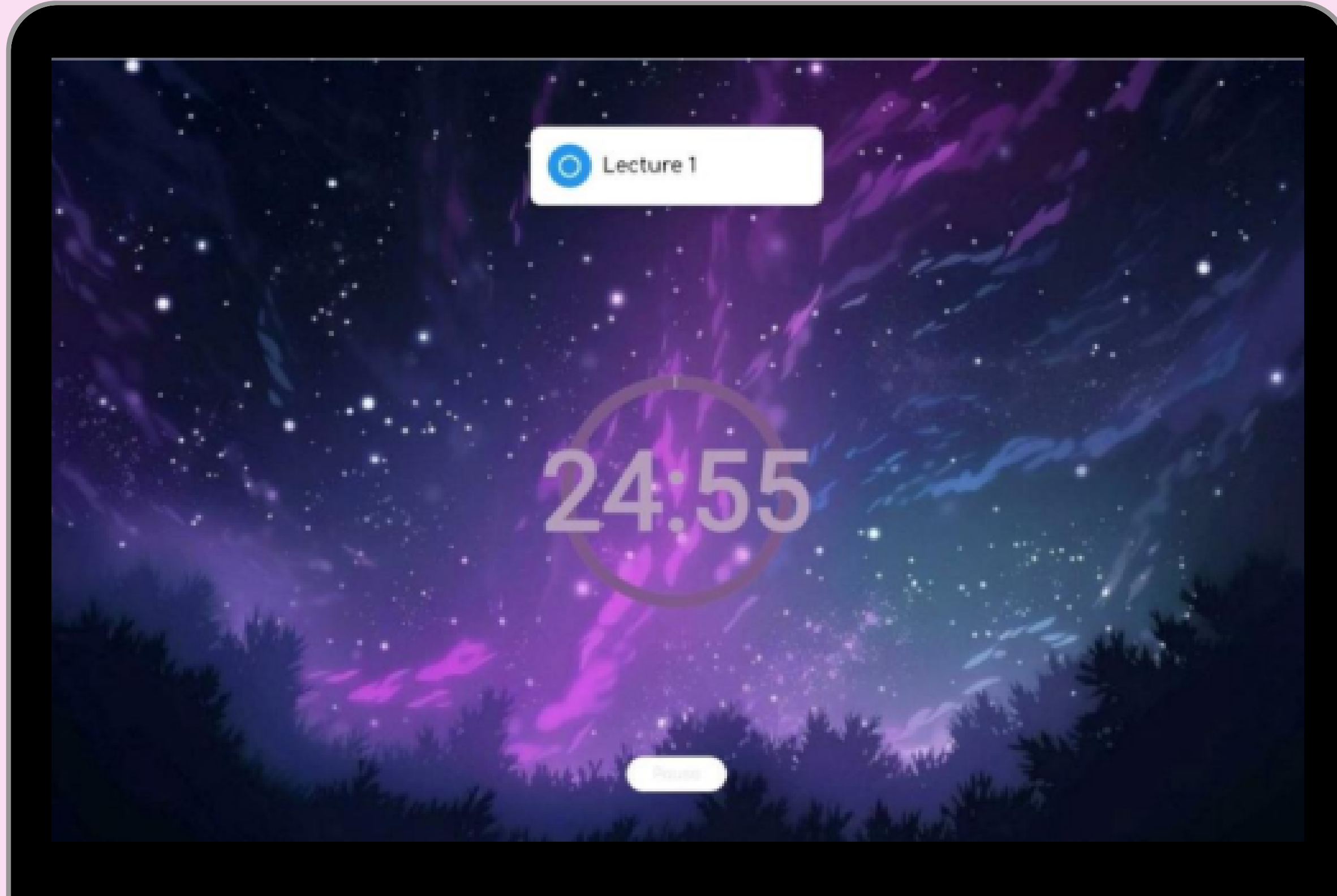


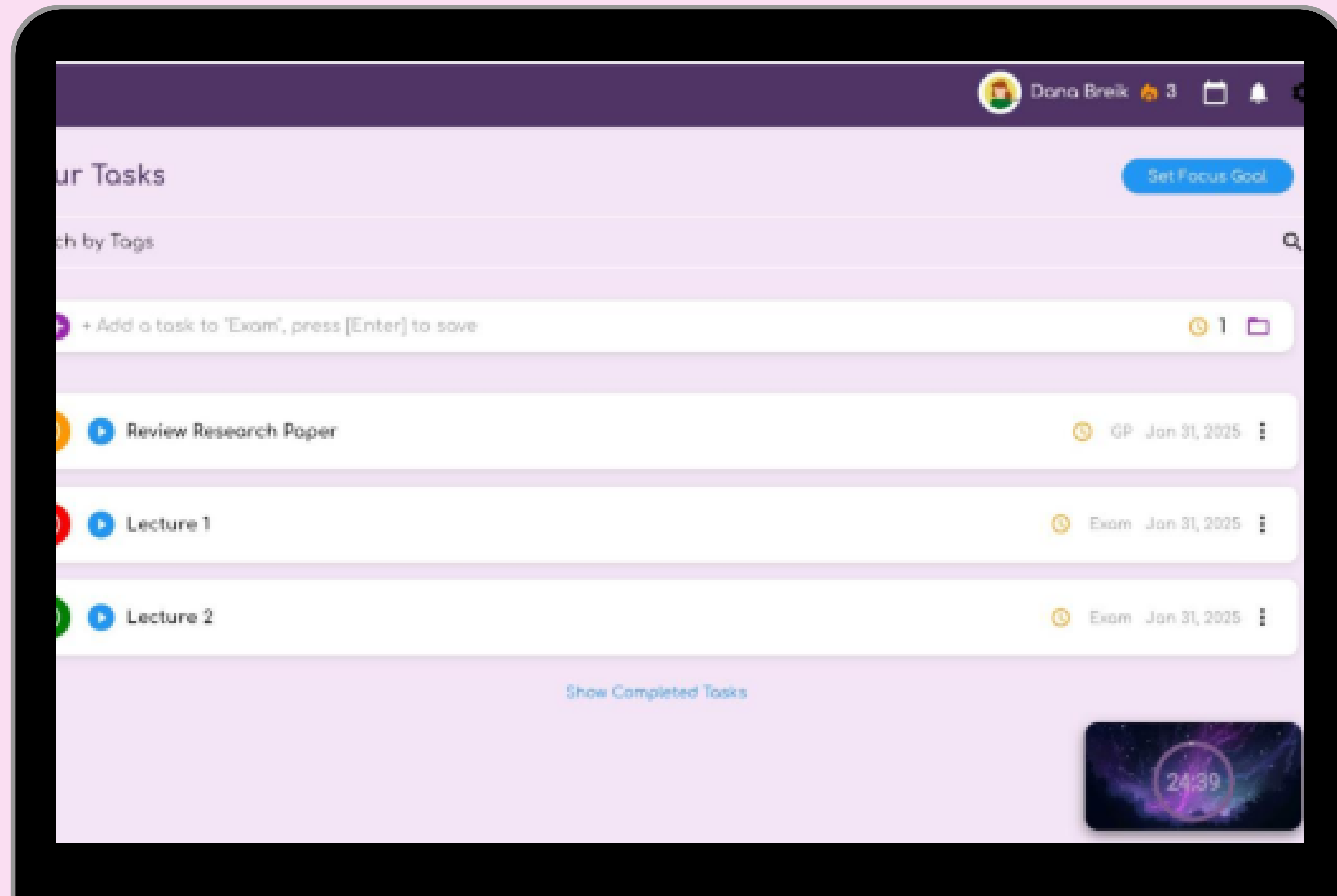












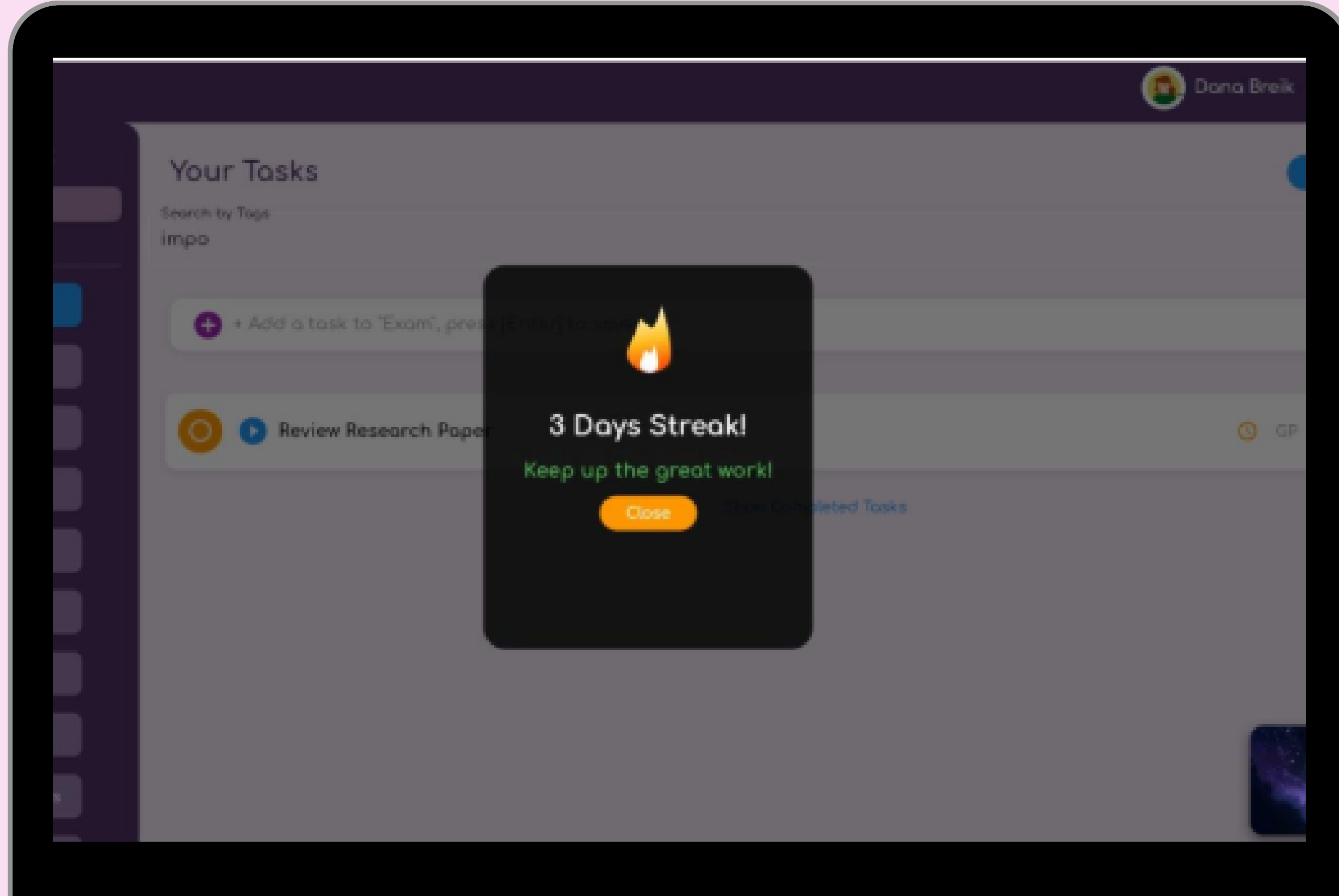
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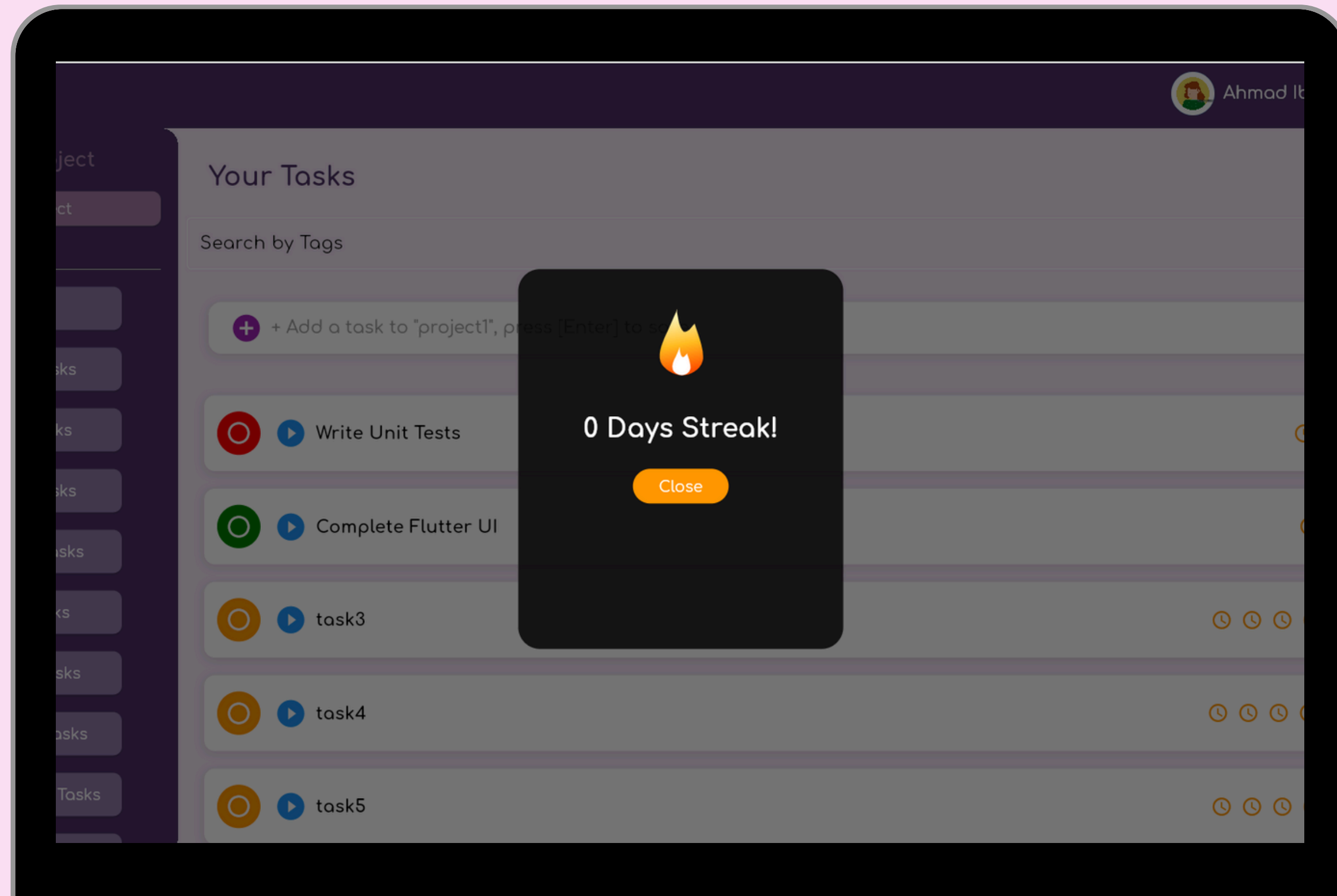
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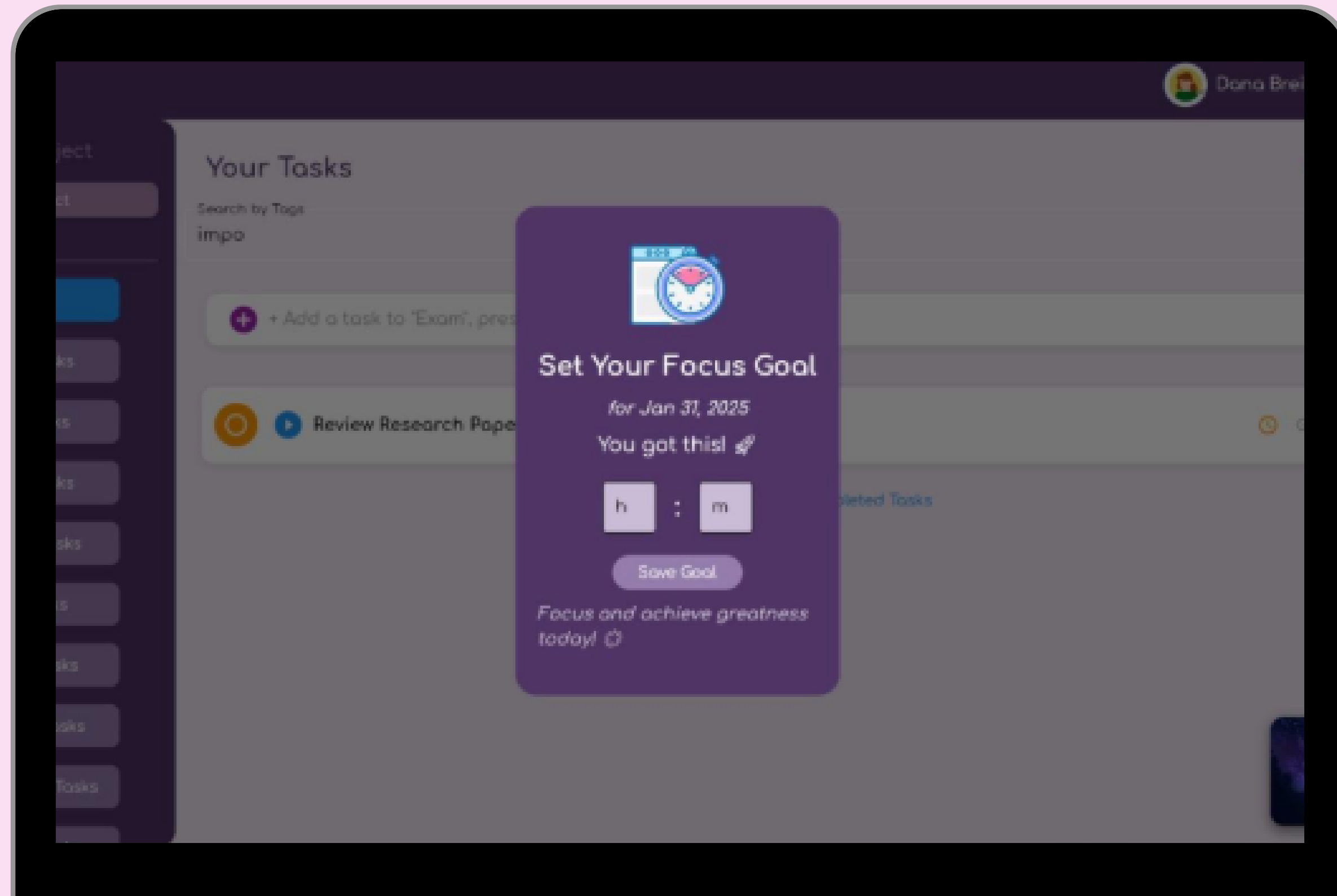
 + Add a task to "Exam", press [Enter] to save

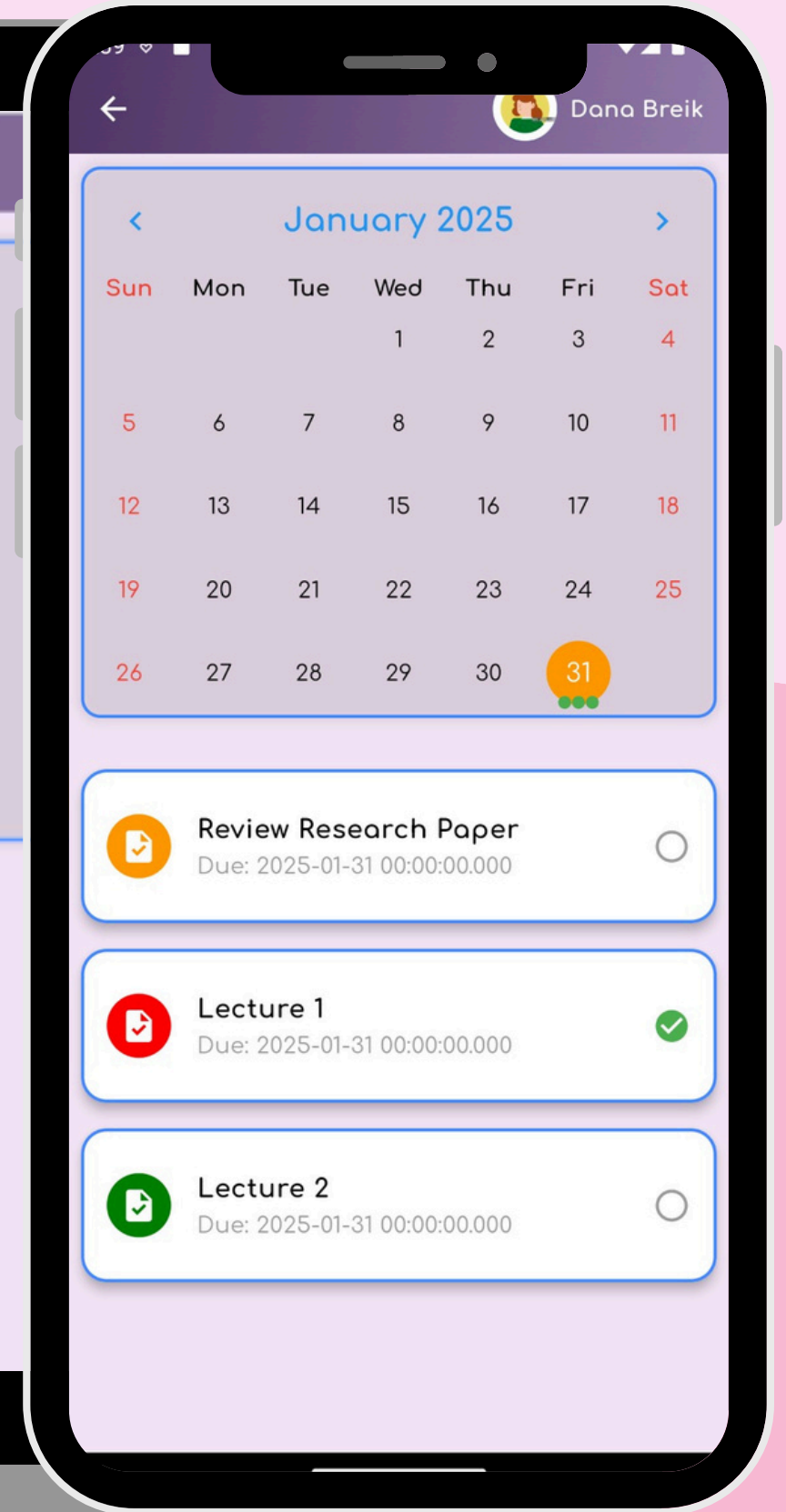
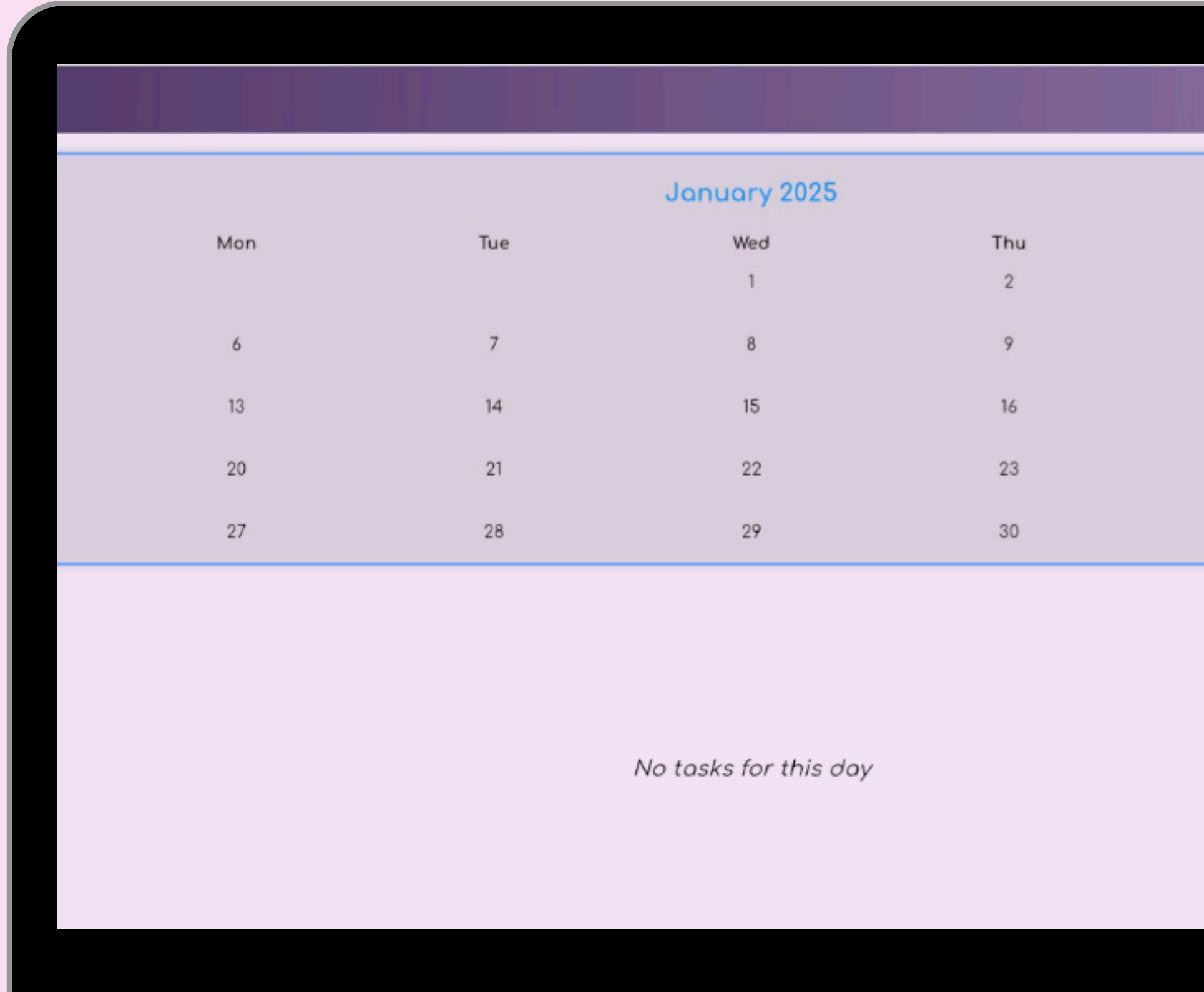
  Review Research Paper

Show Comple









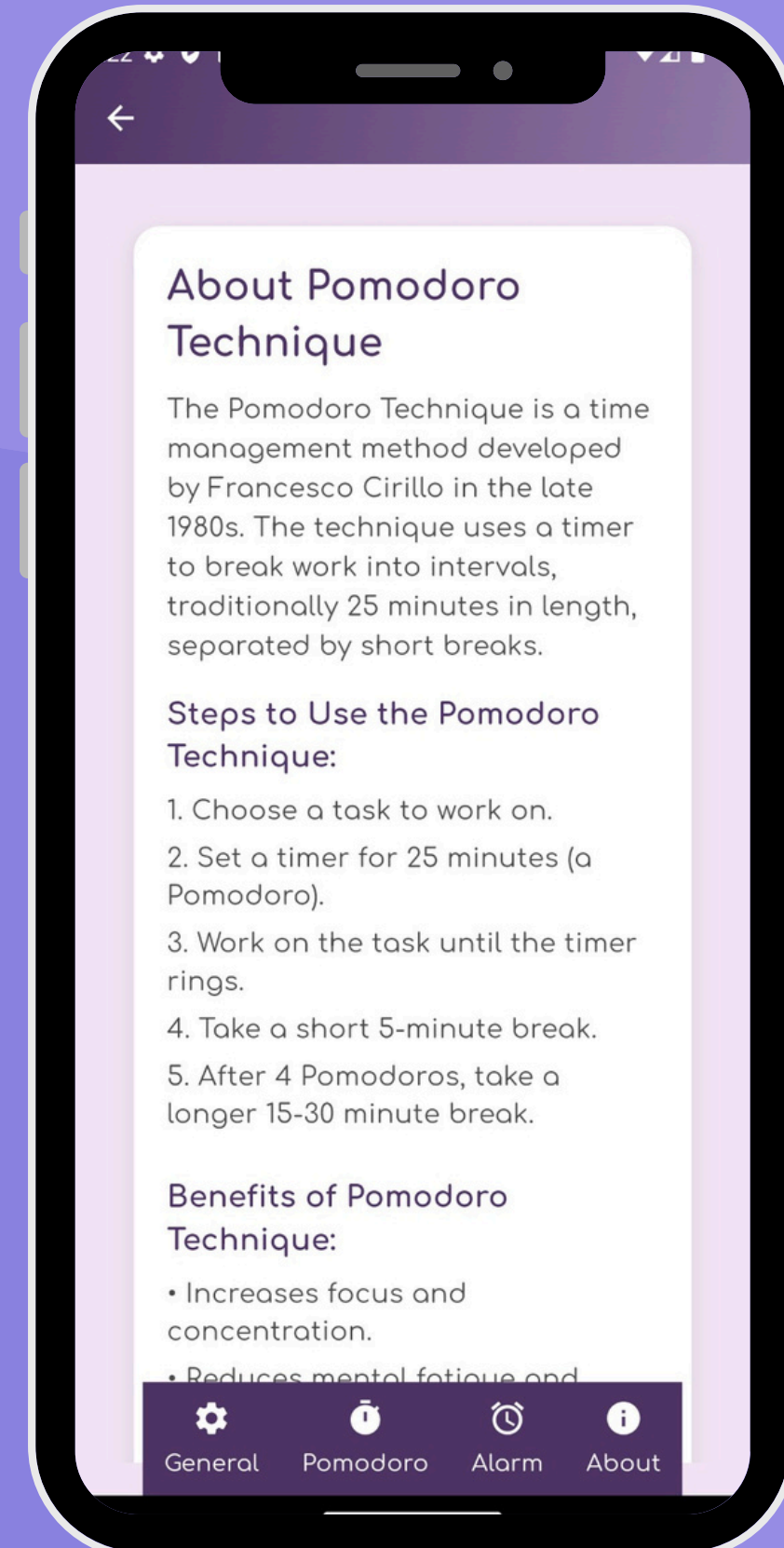
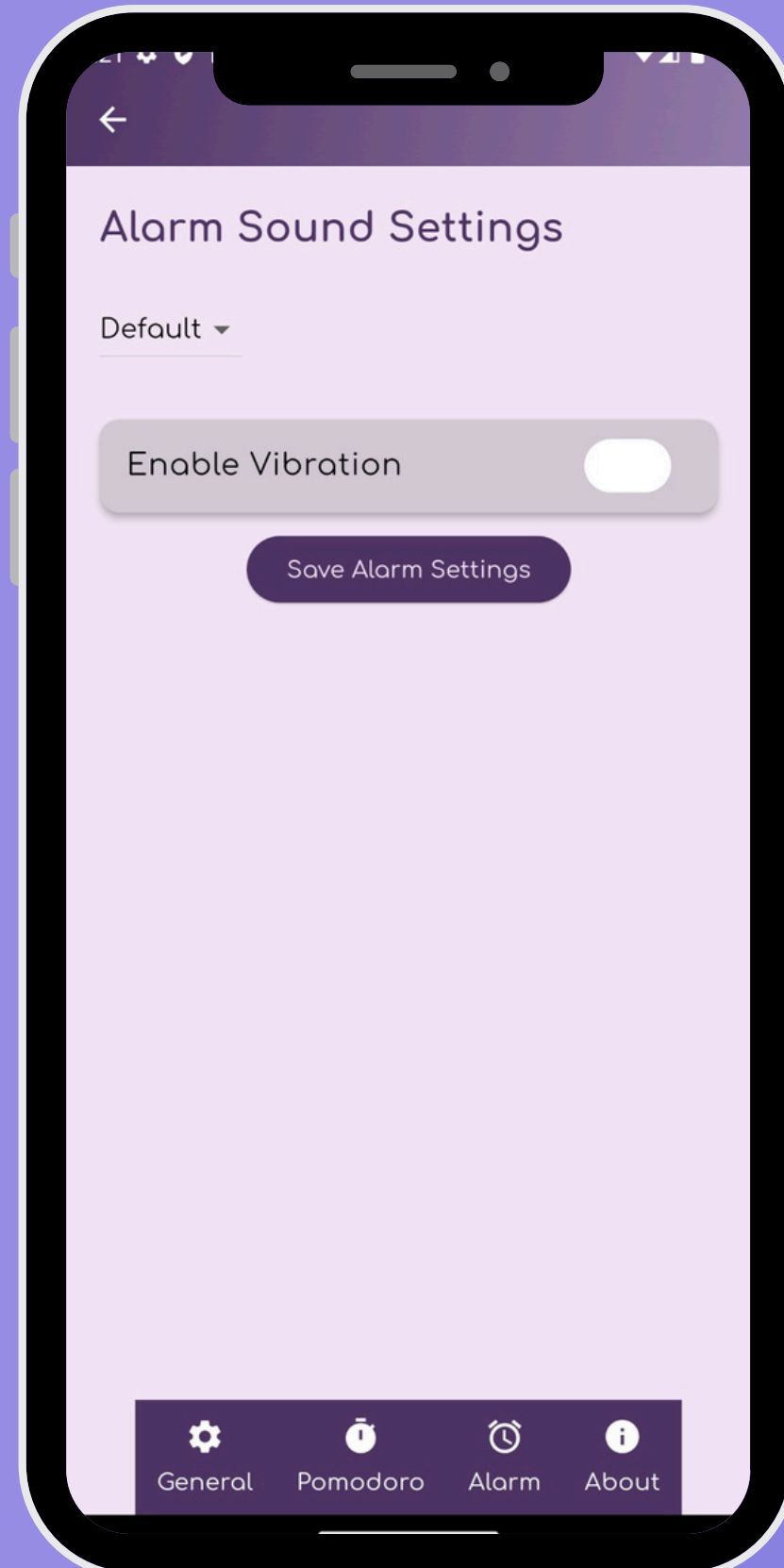
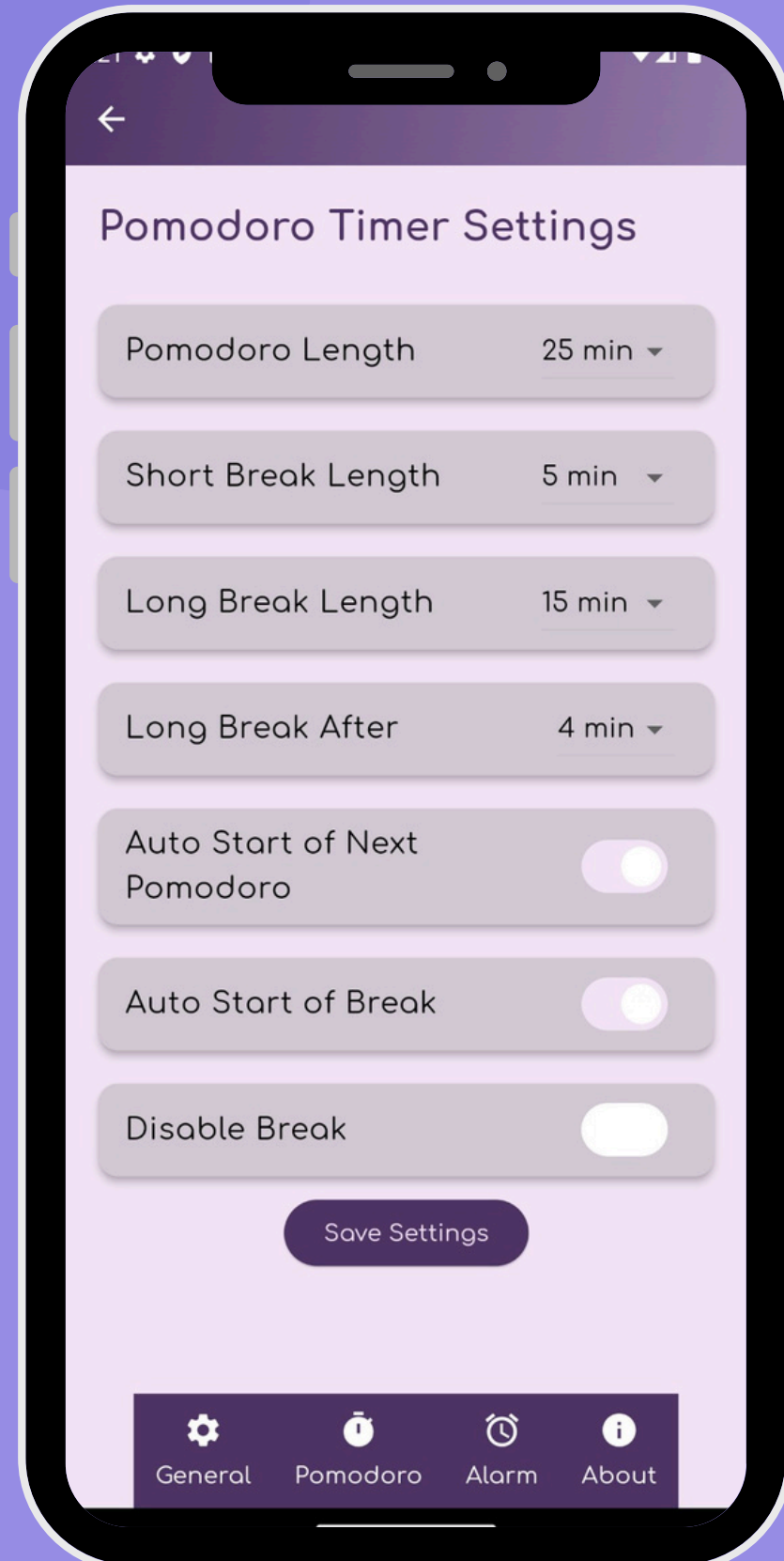
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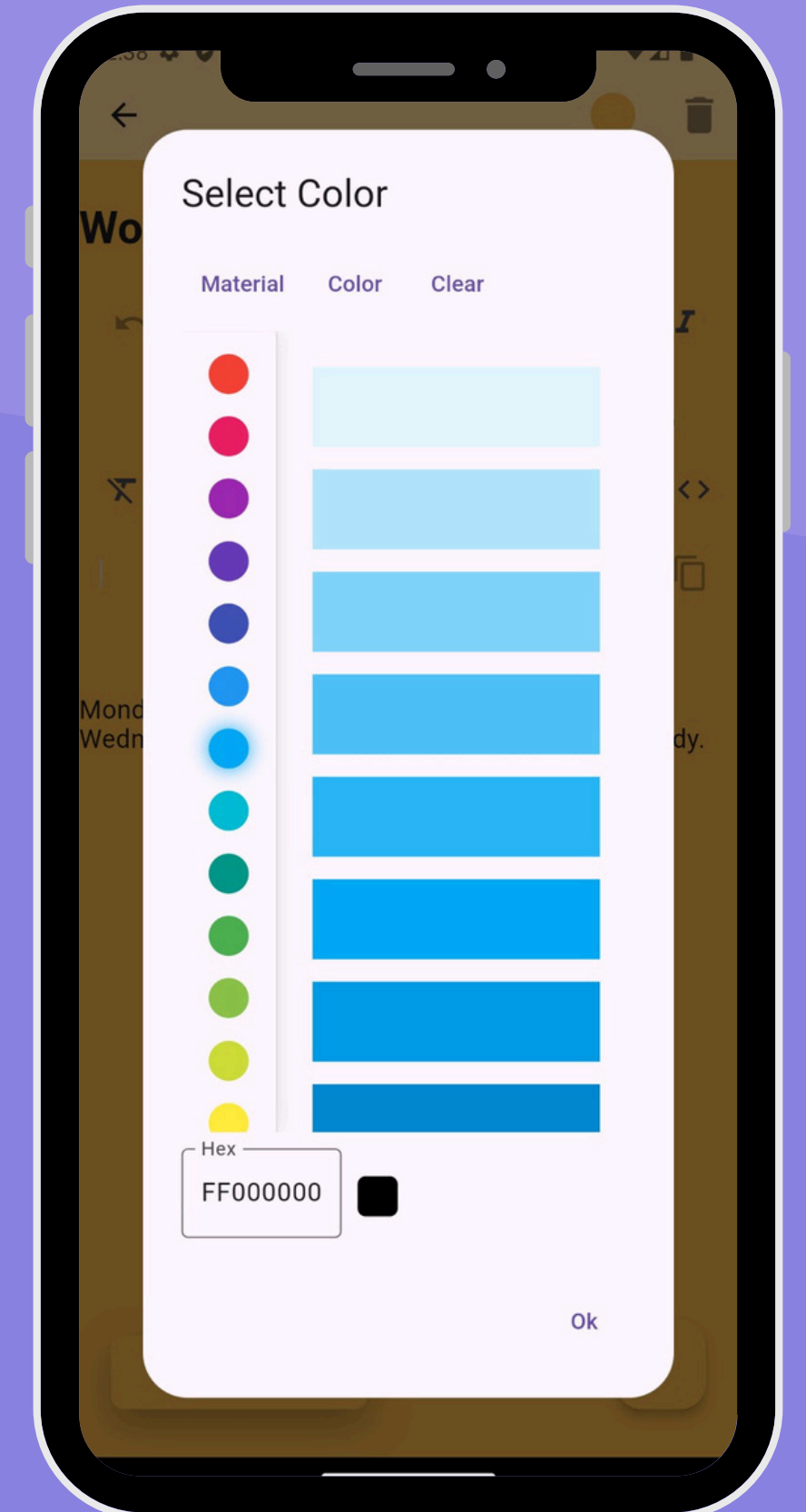
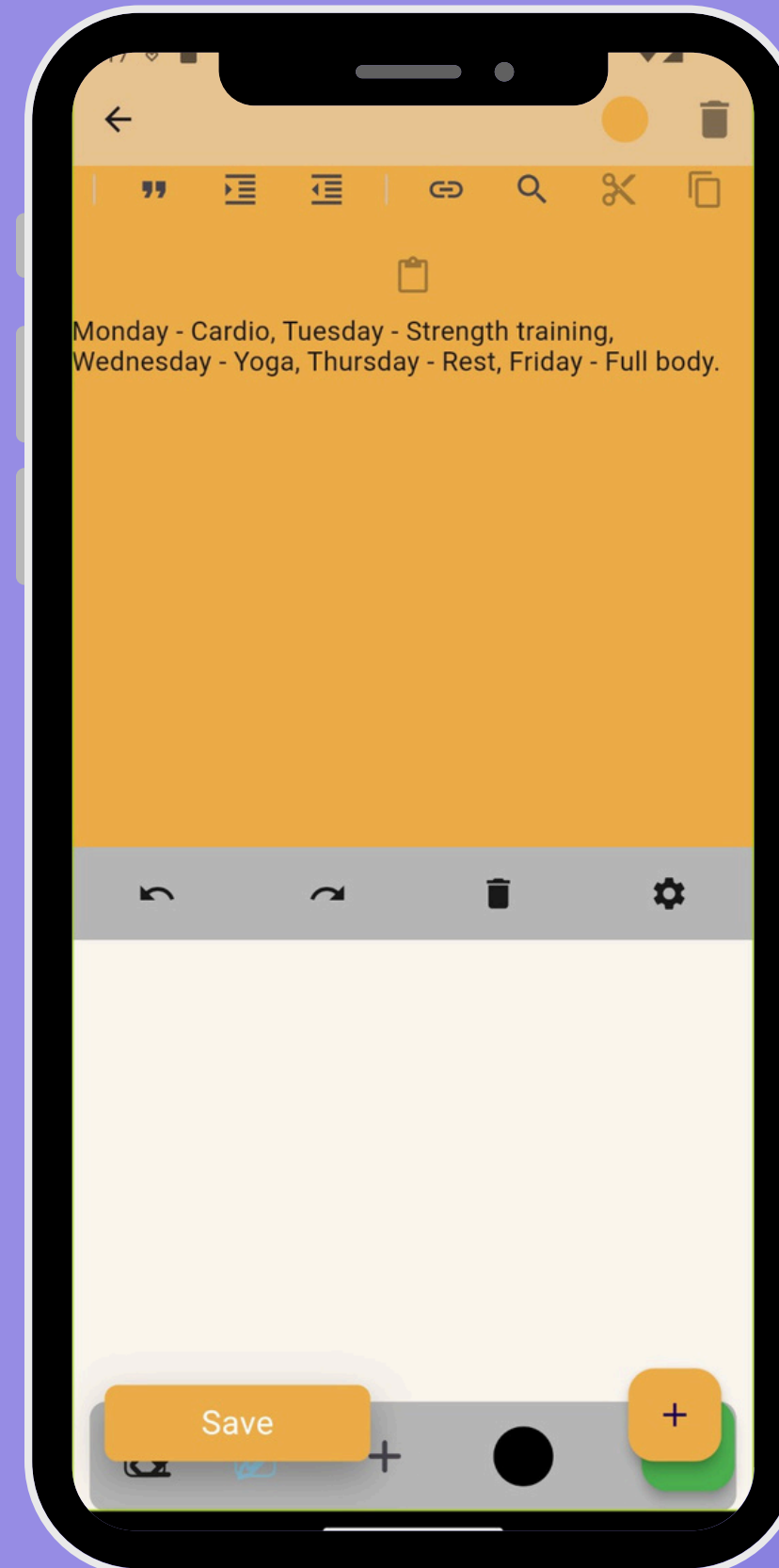
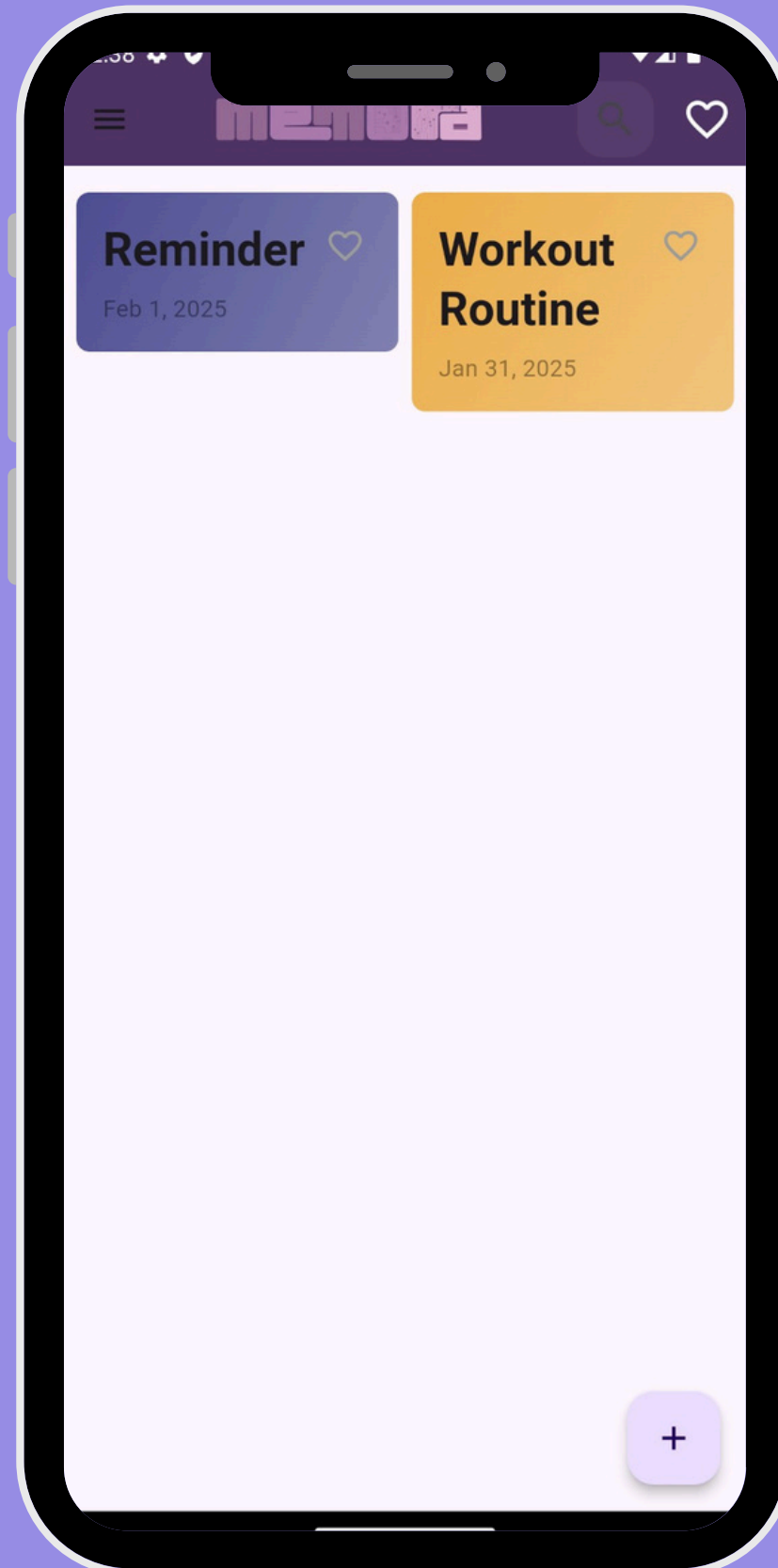
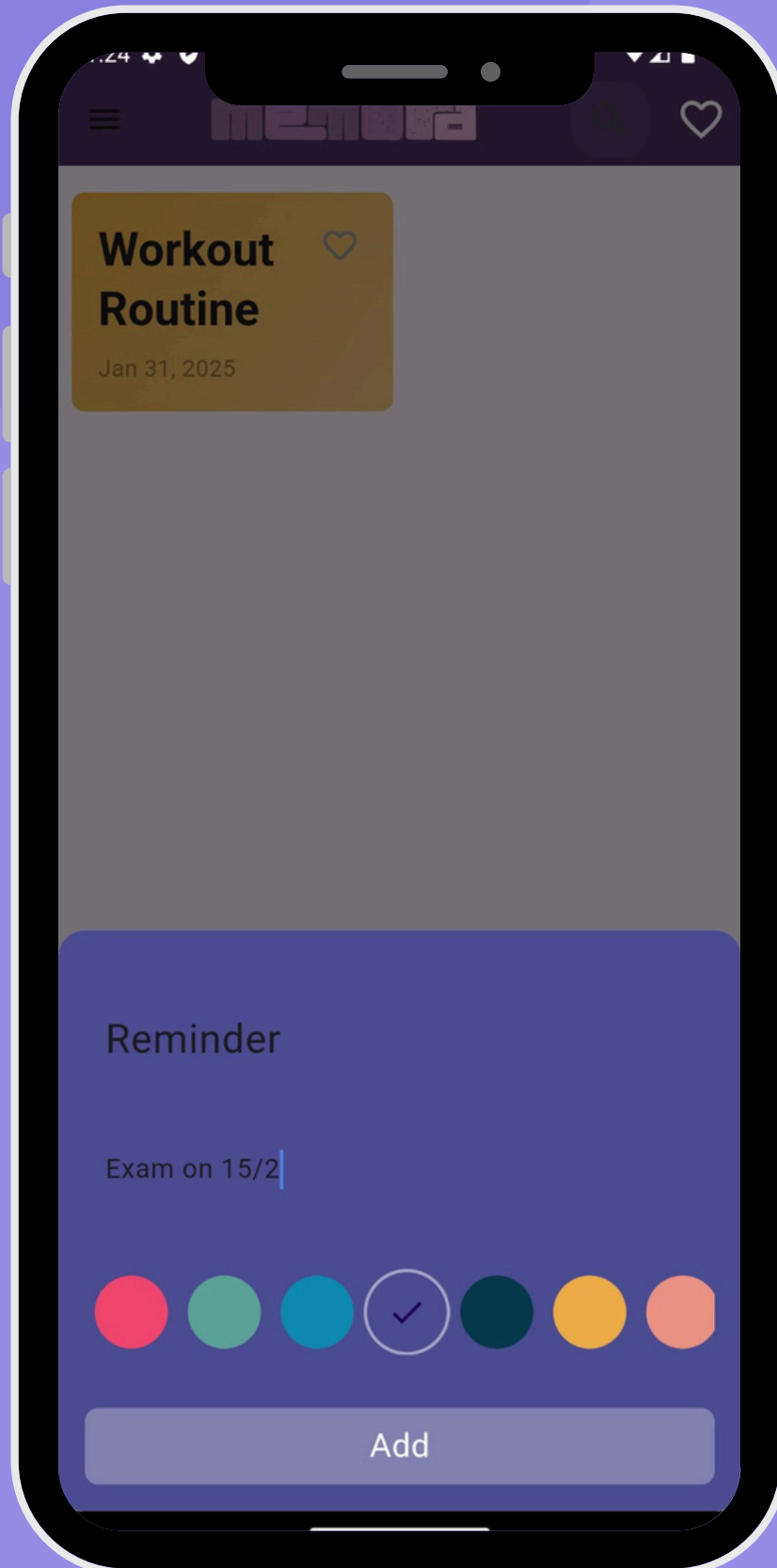
# NOTE TAKING

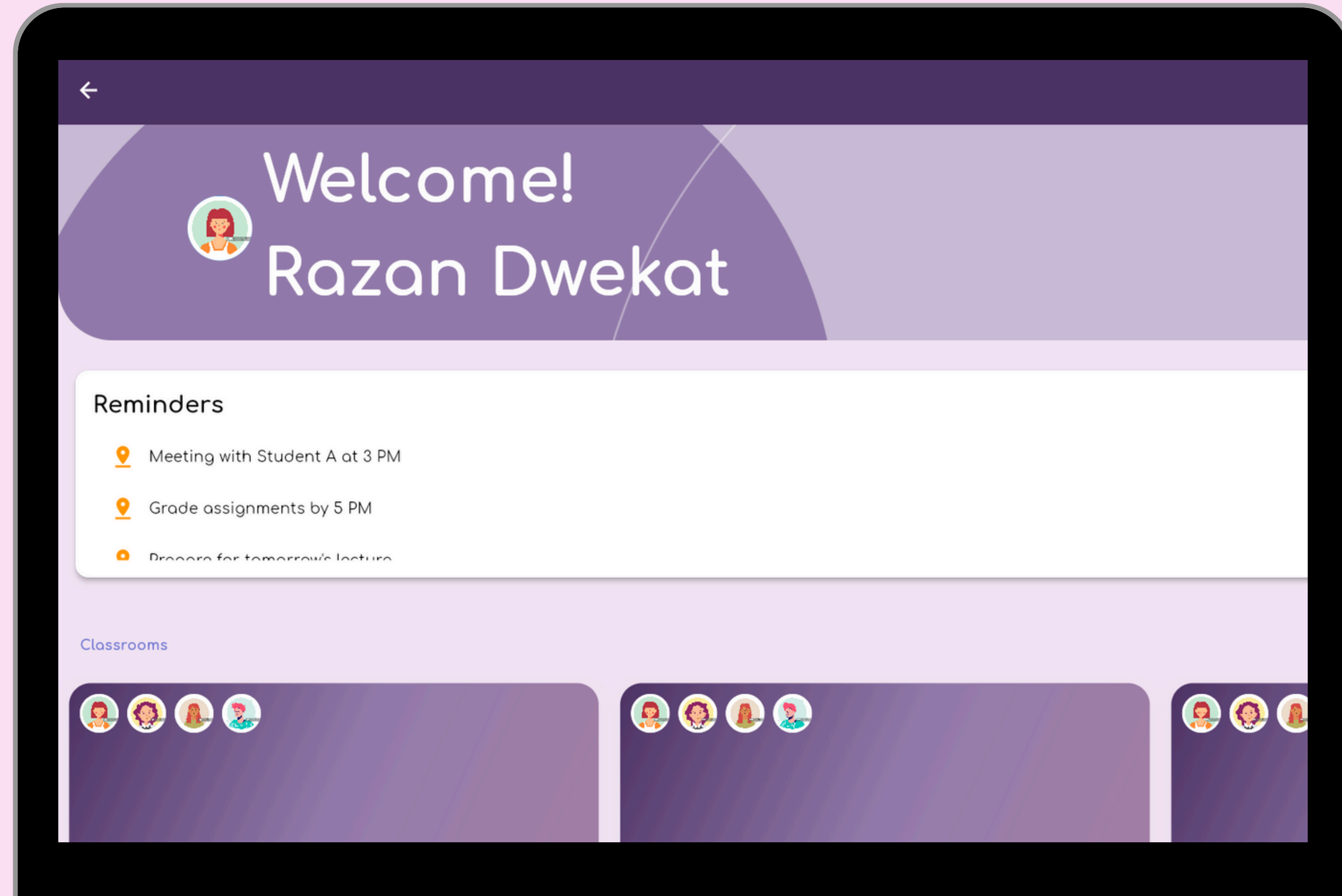
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### Reminders

-  Meeting with Student A at 3 PM
-  Grade assignments by 5 PM
-  Prepare for tomorrow's lecture

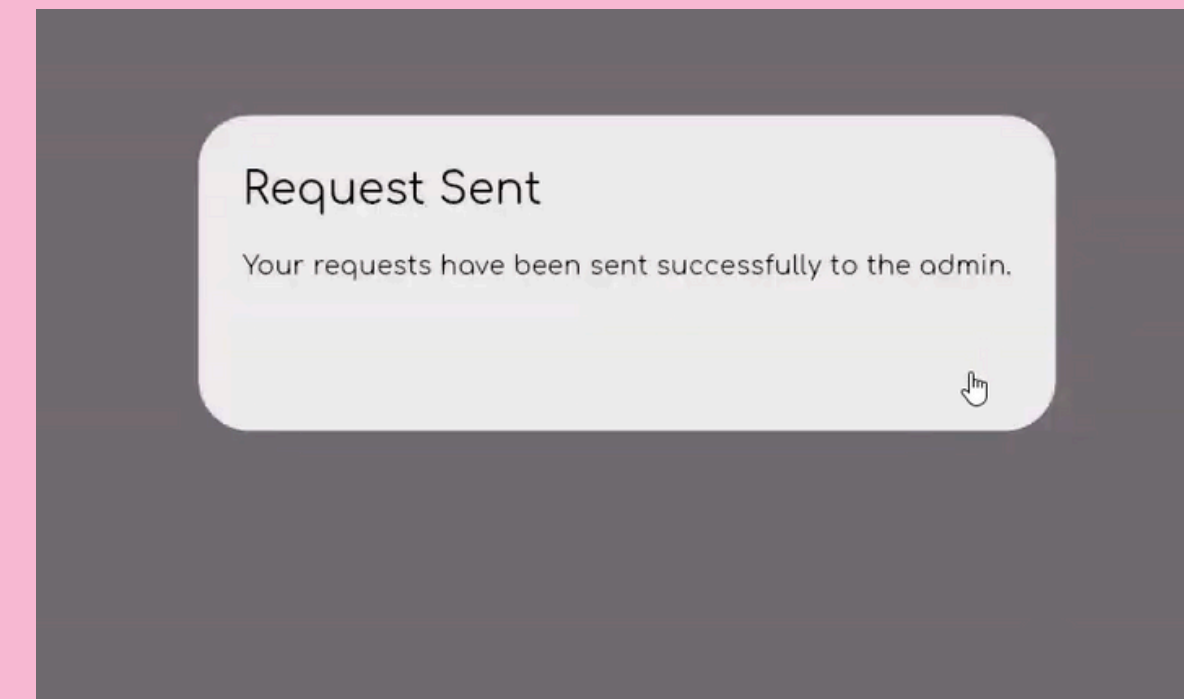
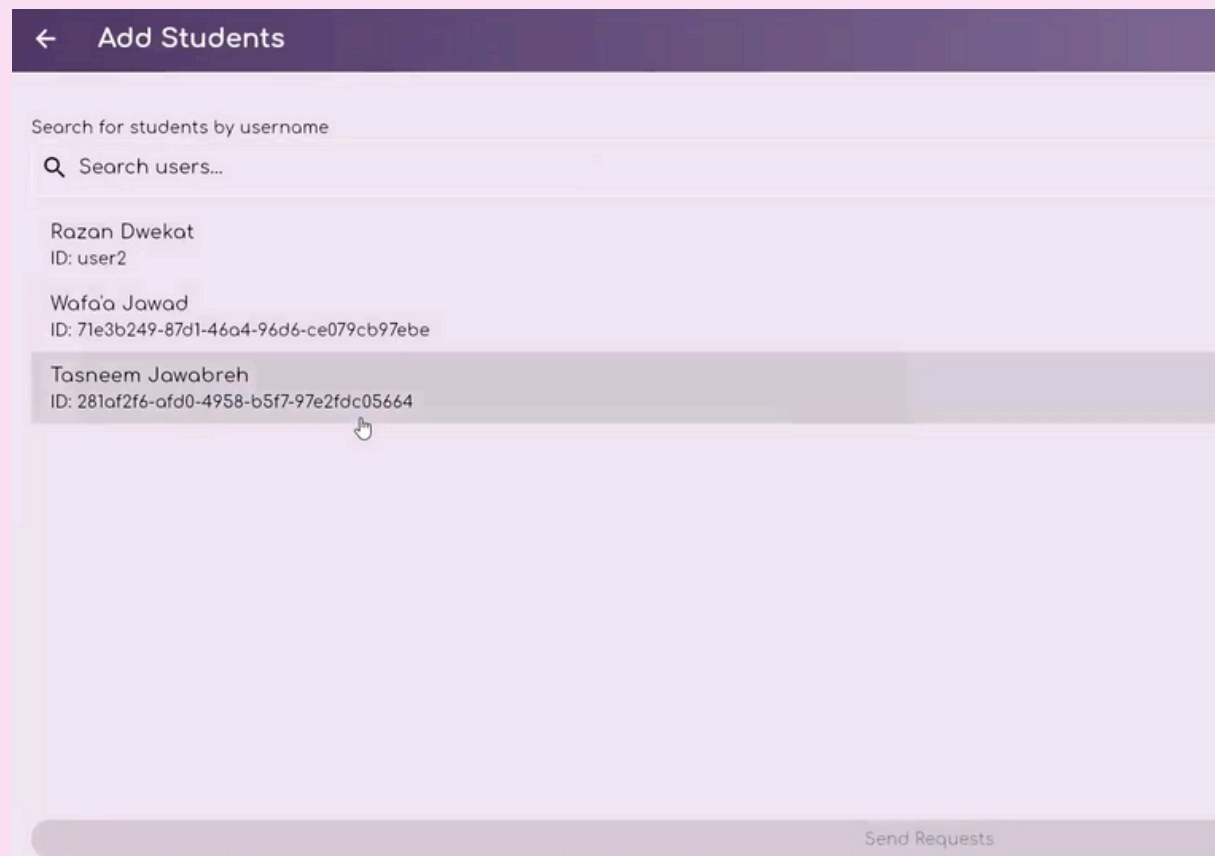
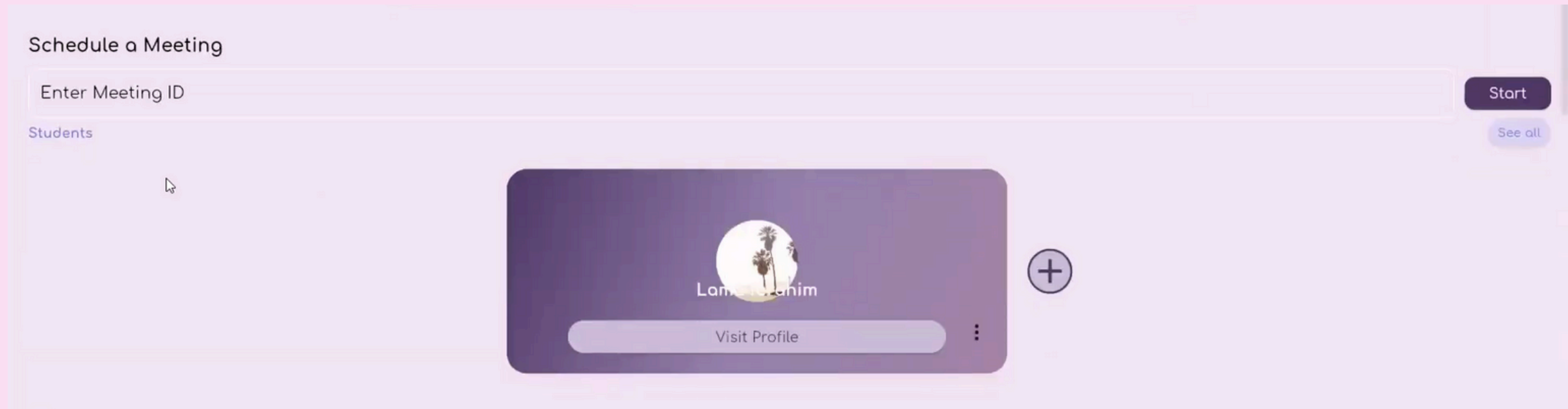
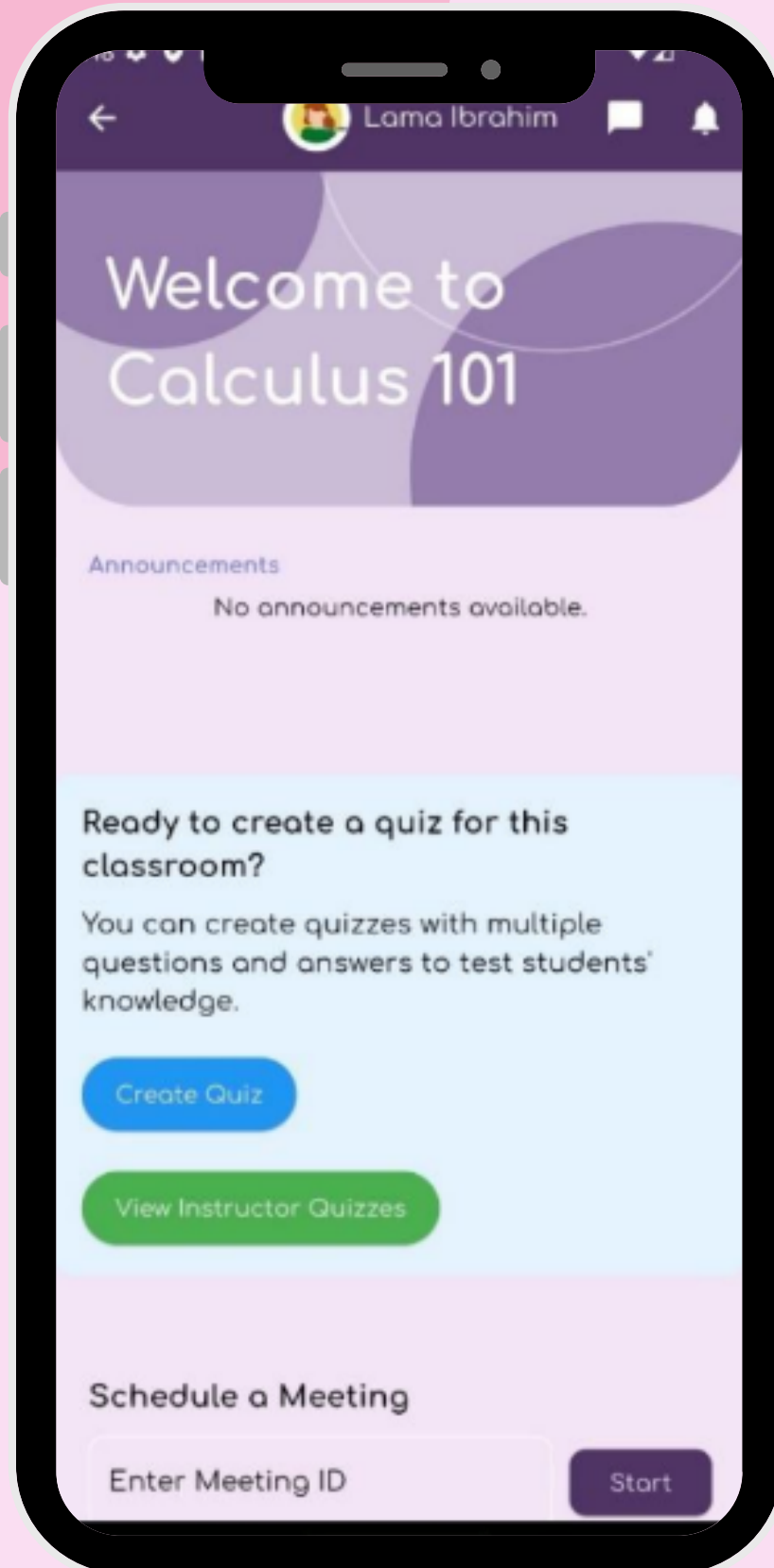
### Classrooms

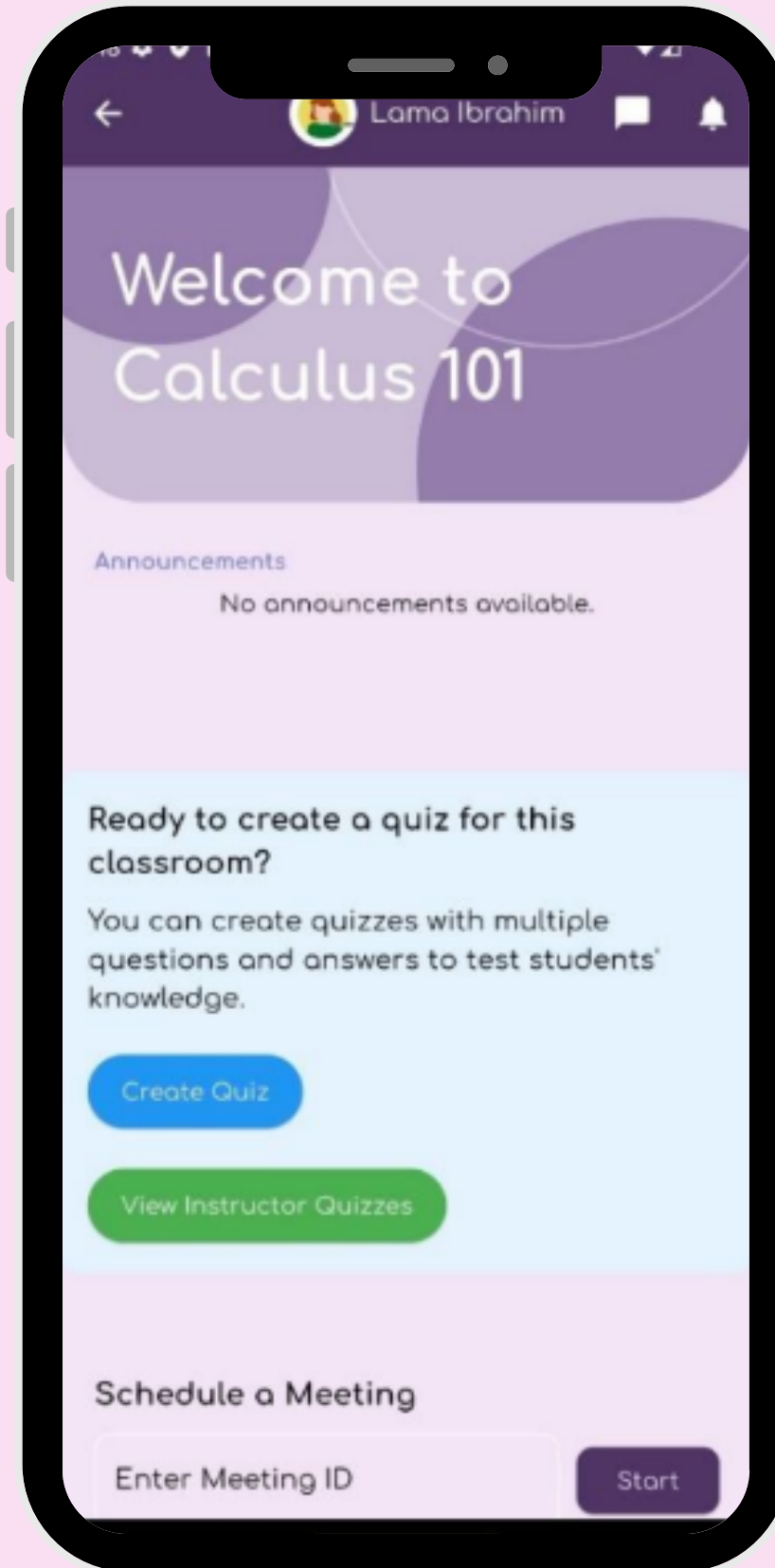


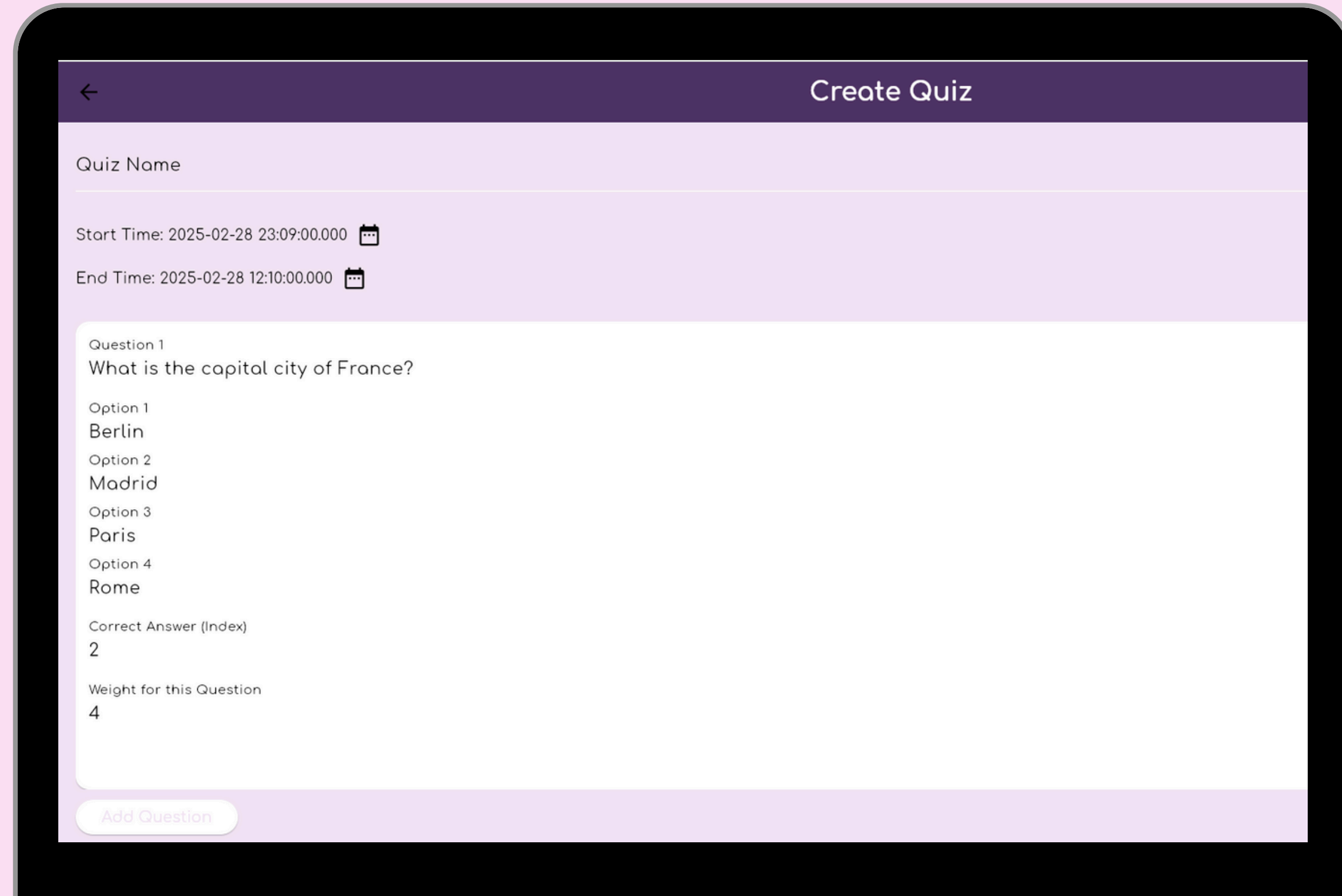
Algebra  
Visit Class



Calculus 1  
Visit Class







## Create Quiz

Quiz Name

Start Time: 2025-02-28 23:09:00.000

End Time: 2025-02-28 12:10:00.000

Question 1

What is the capital city of France?

Option 1

Berlin

Option 2

Madrid

Option 3

Paris

Option 4

Rome

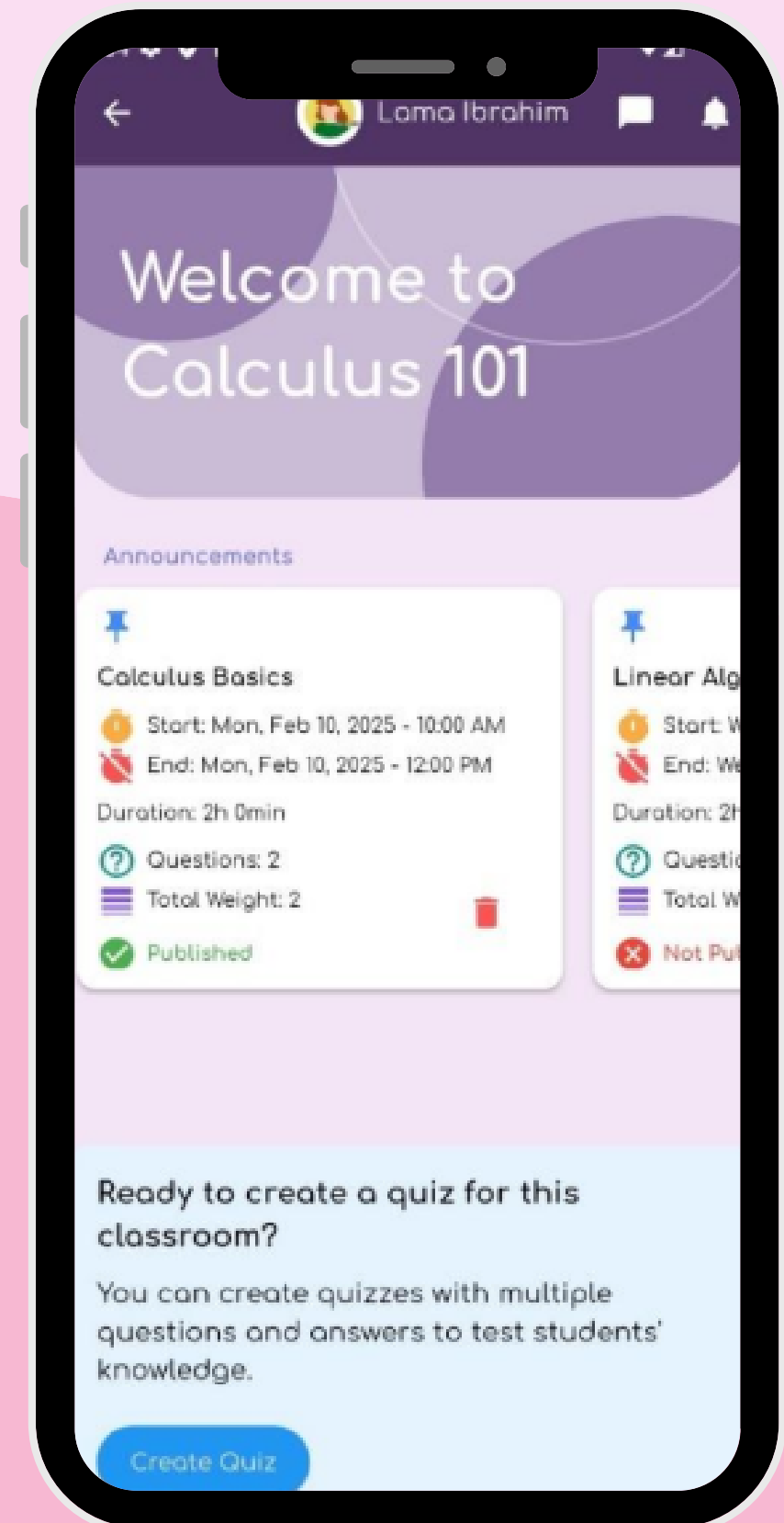
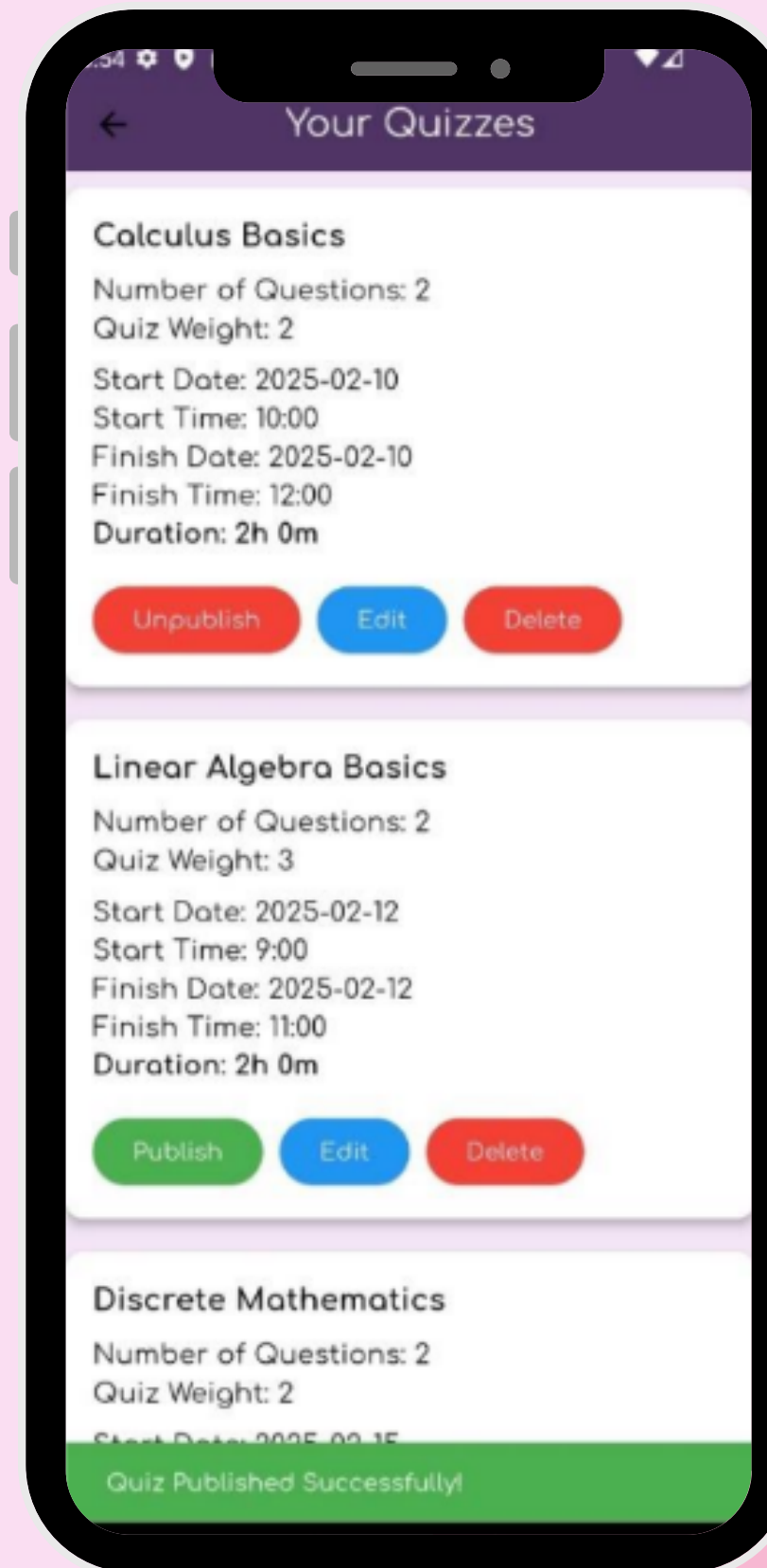
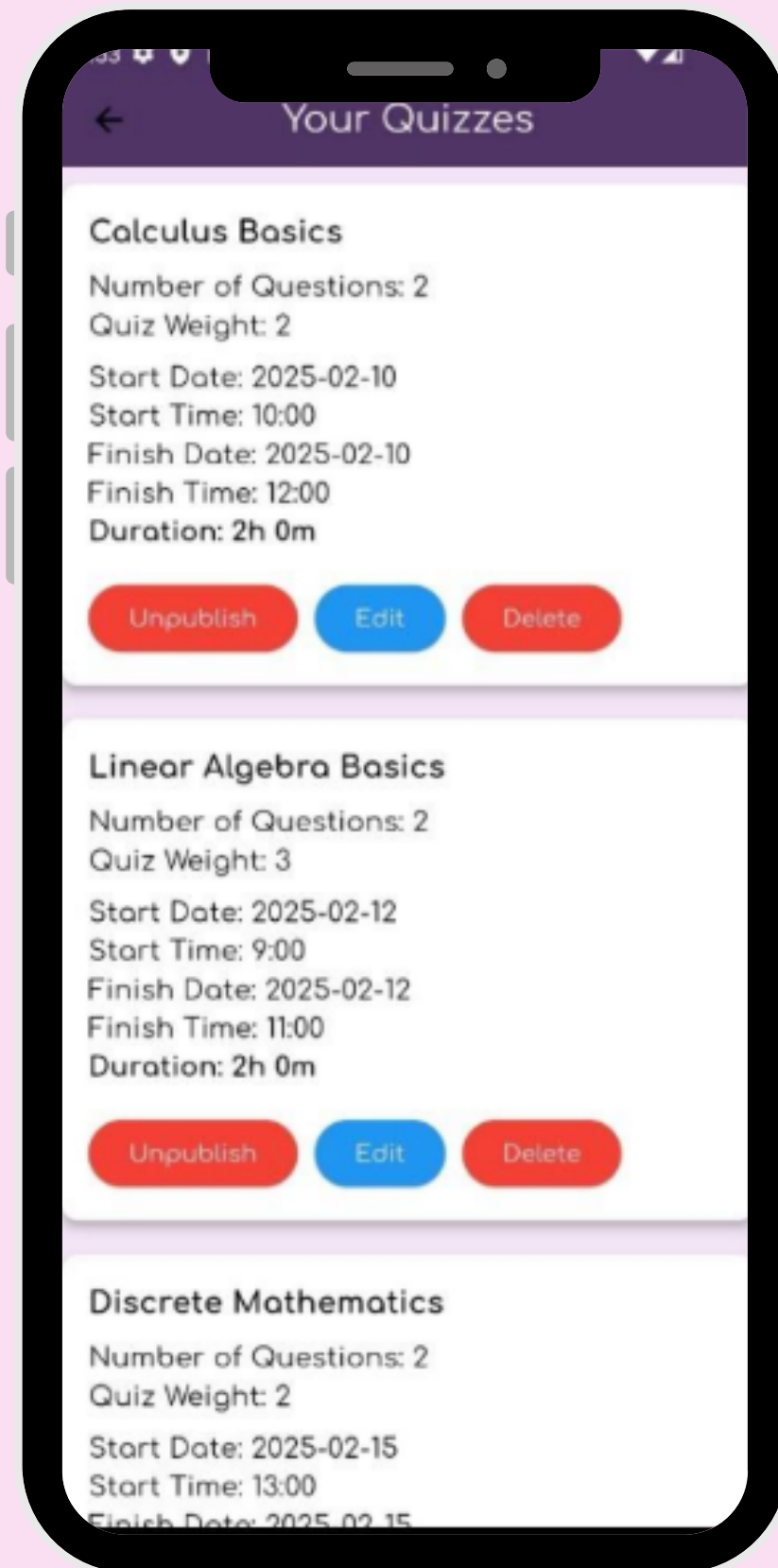
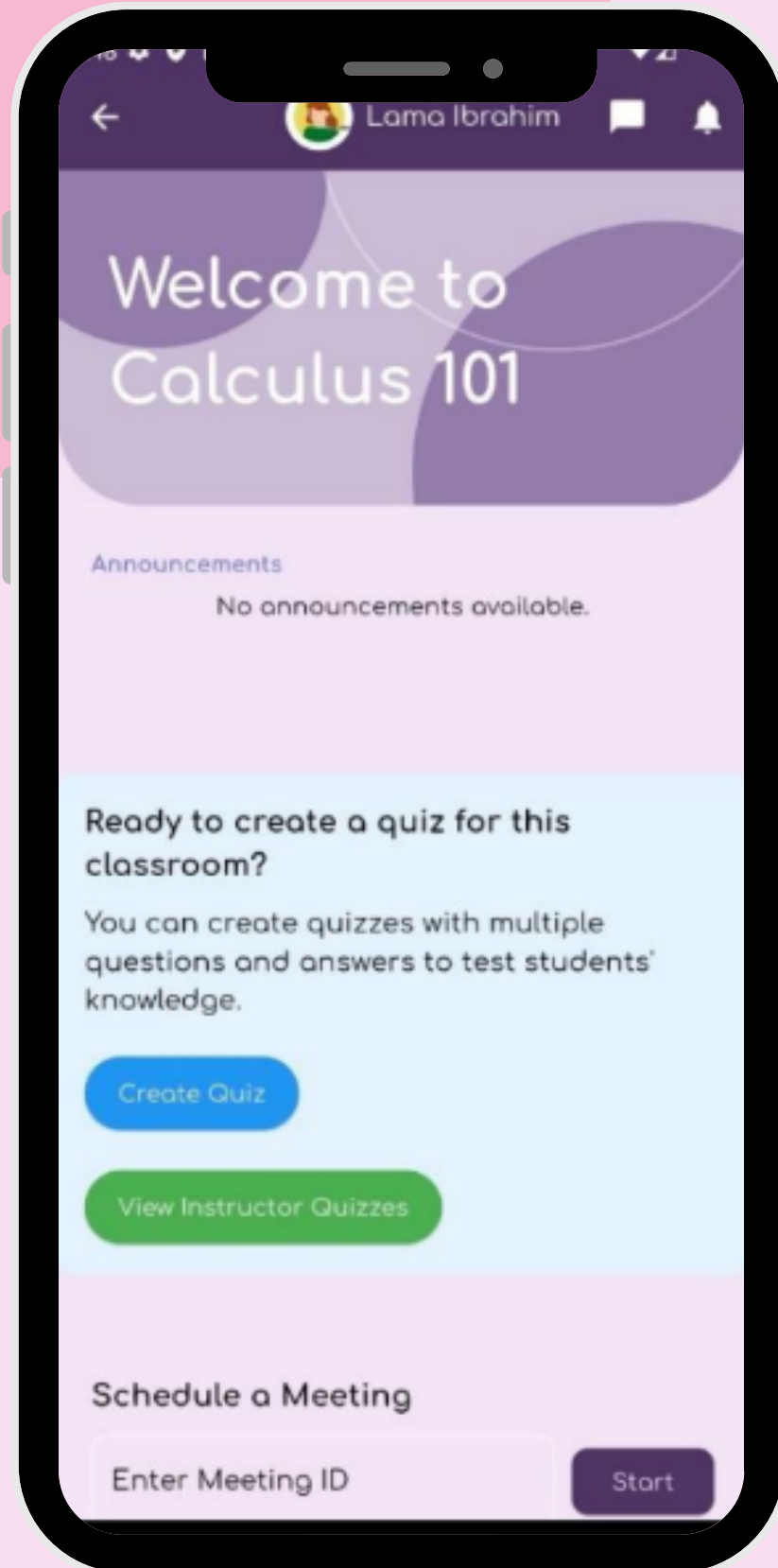
Correct Answer (Index)

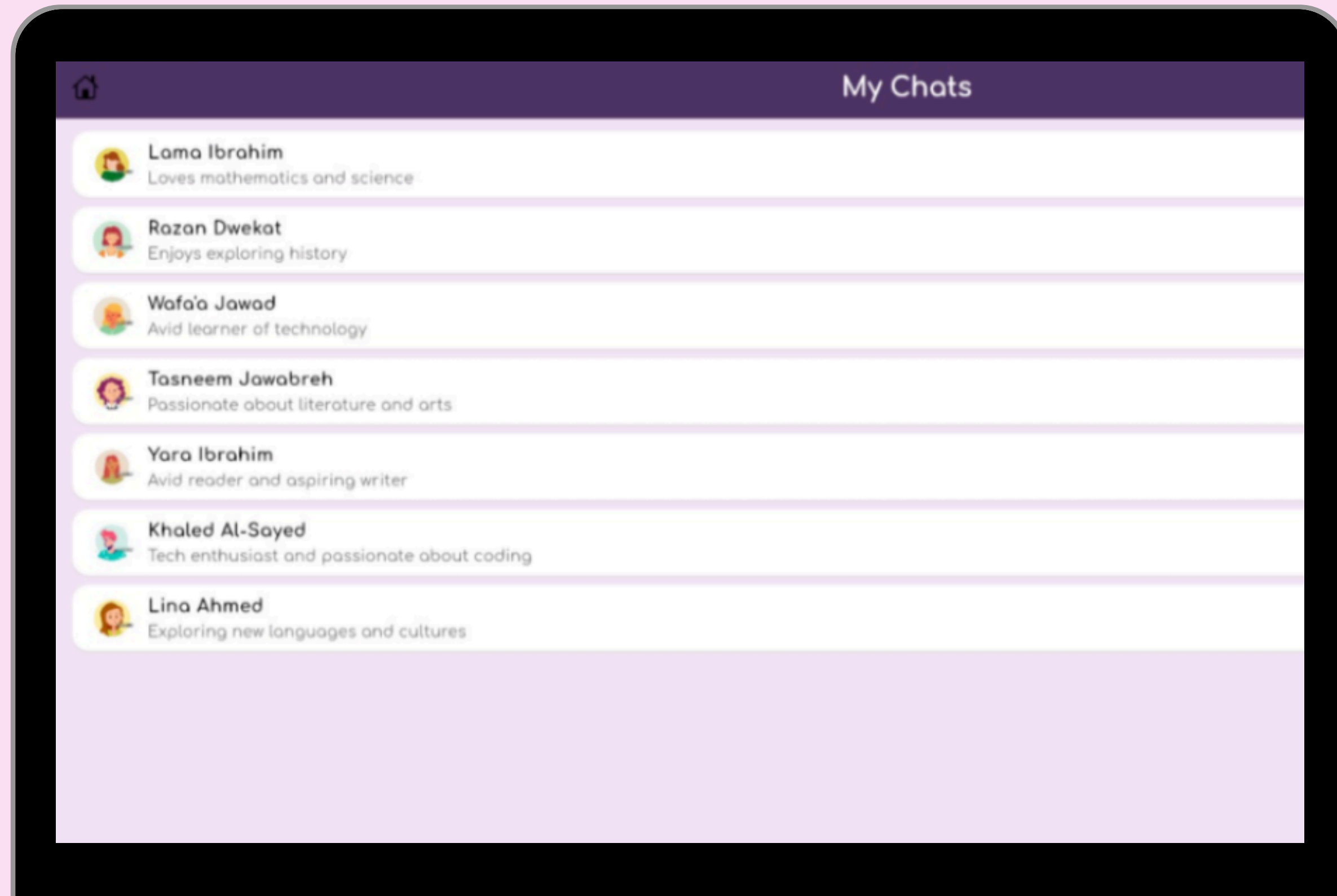
2

Weight for this Question

4

Add Question







*Figure 115: Conversation*

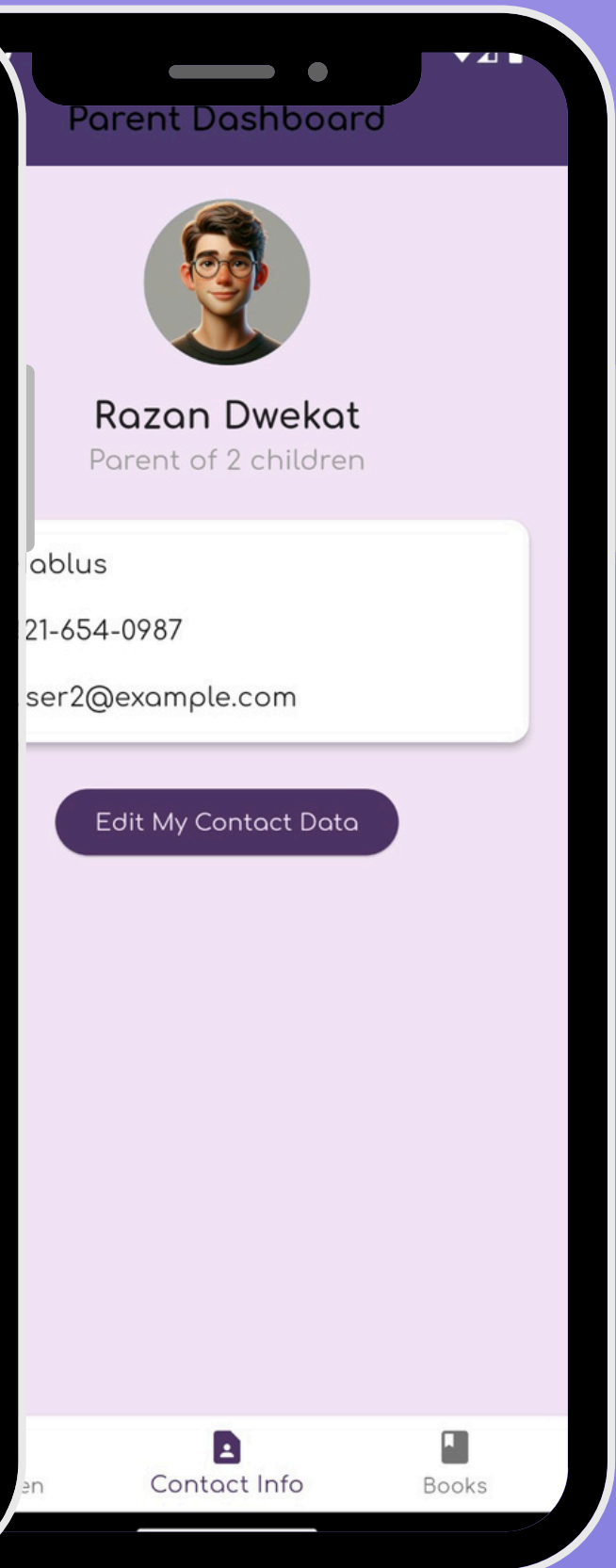
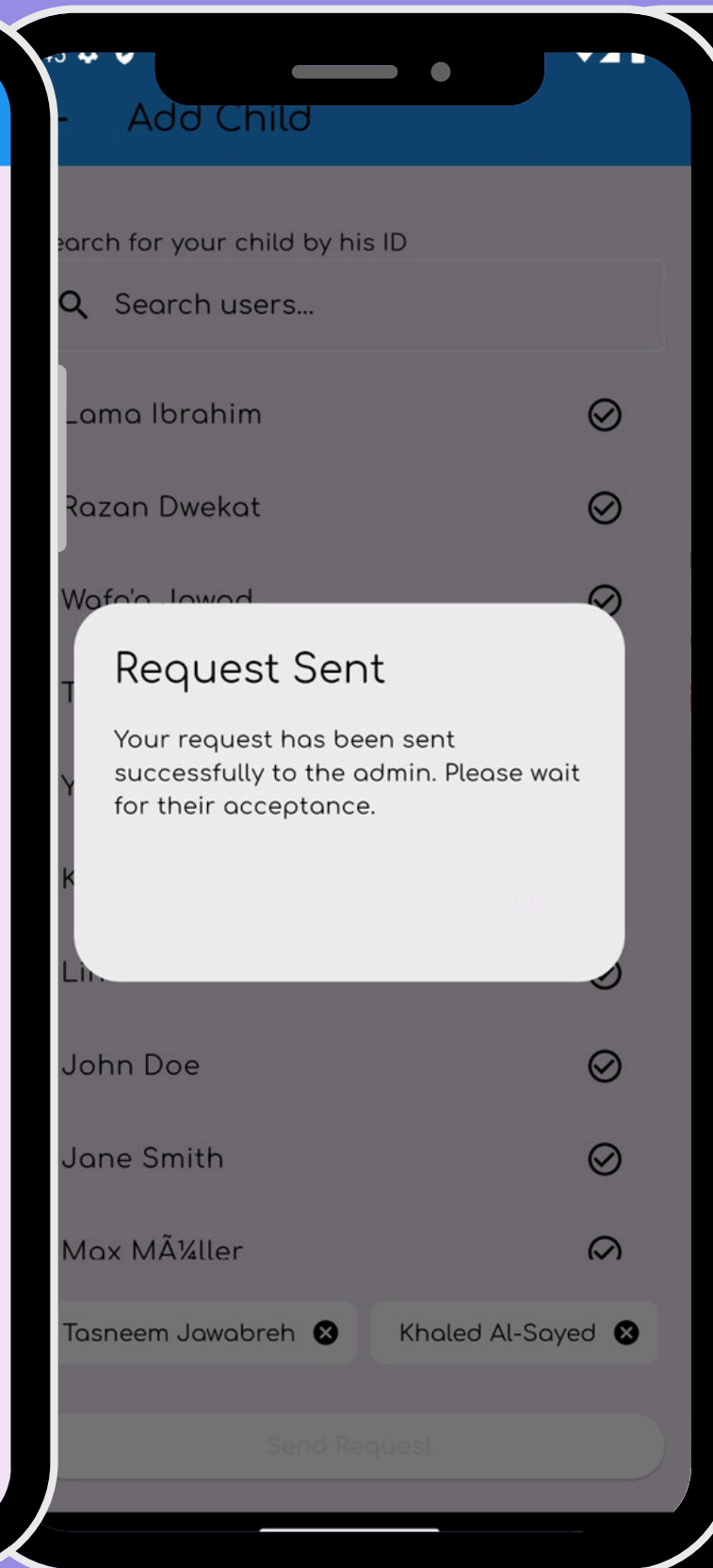
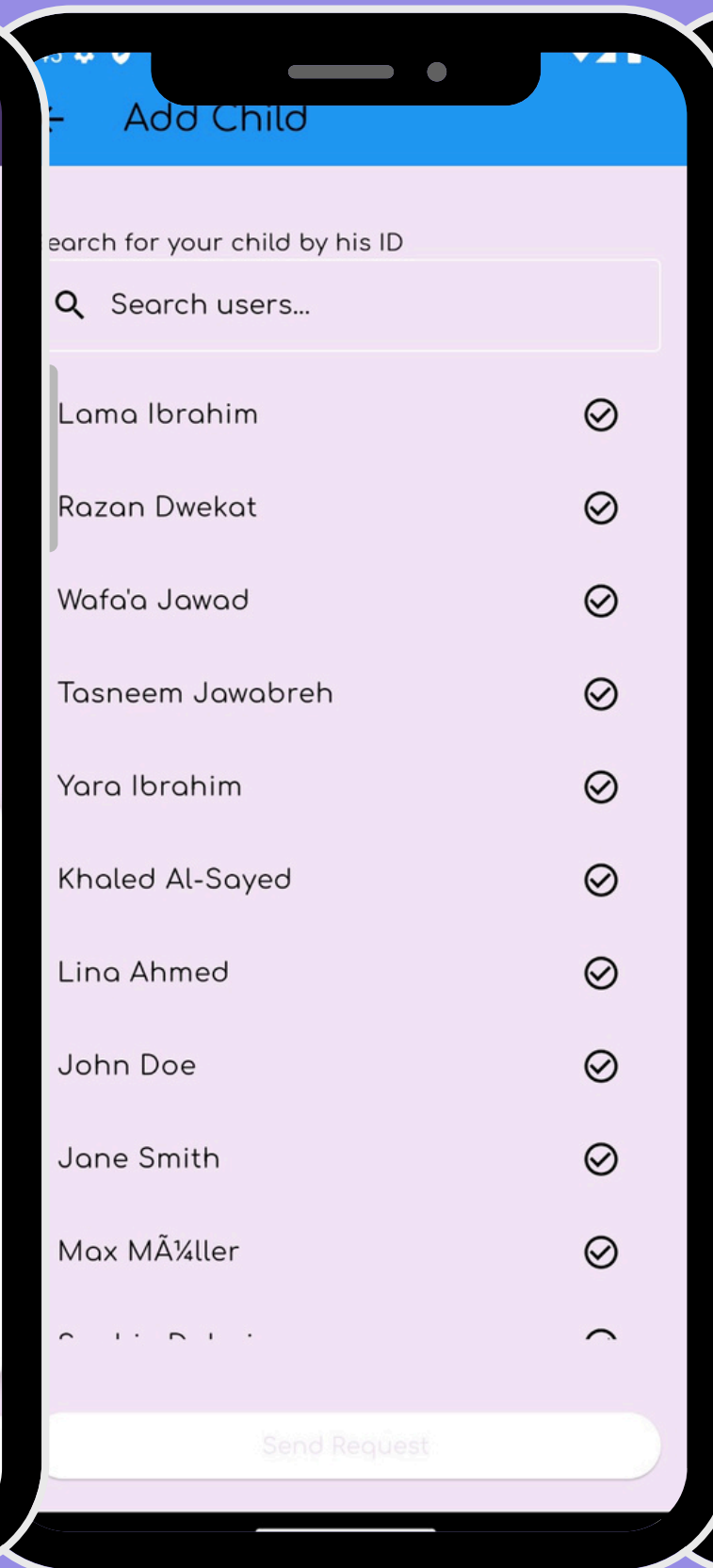
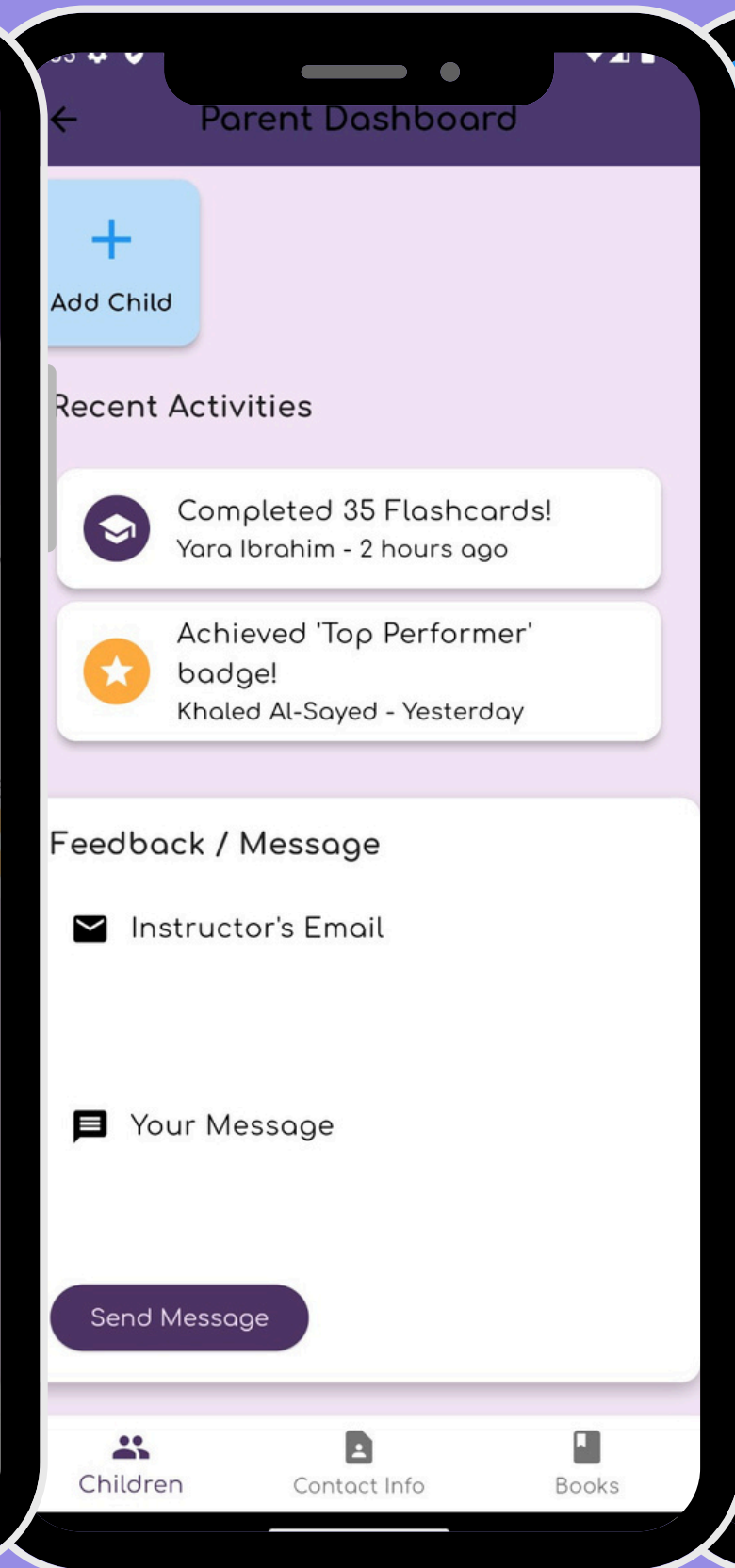
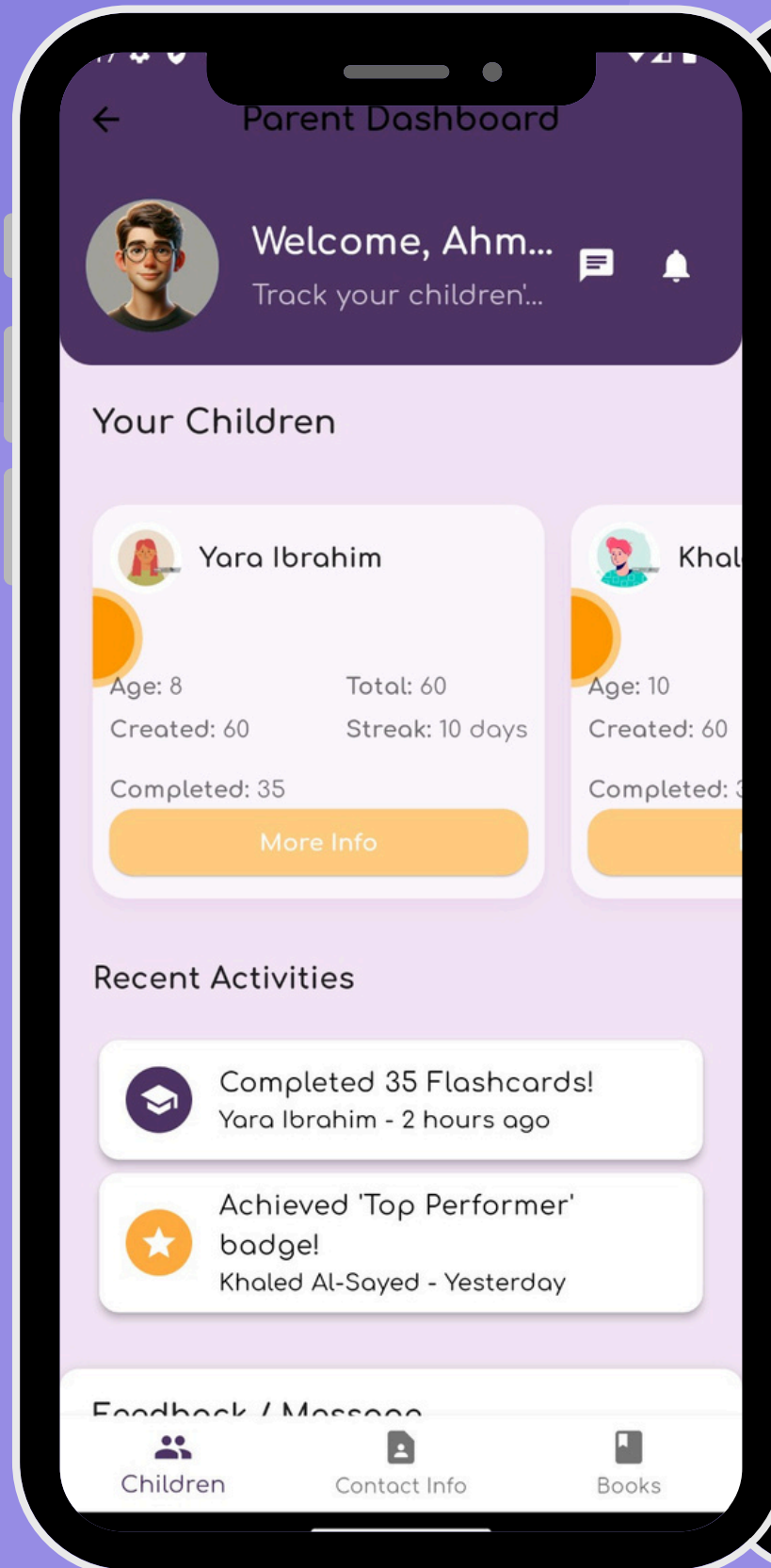
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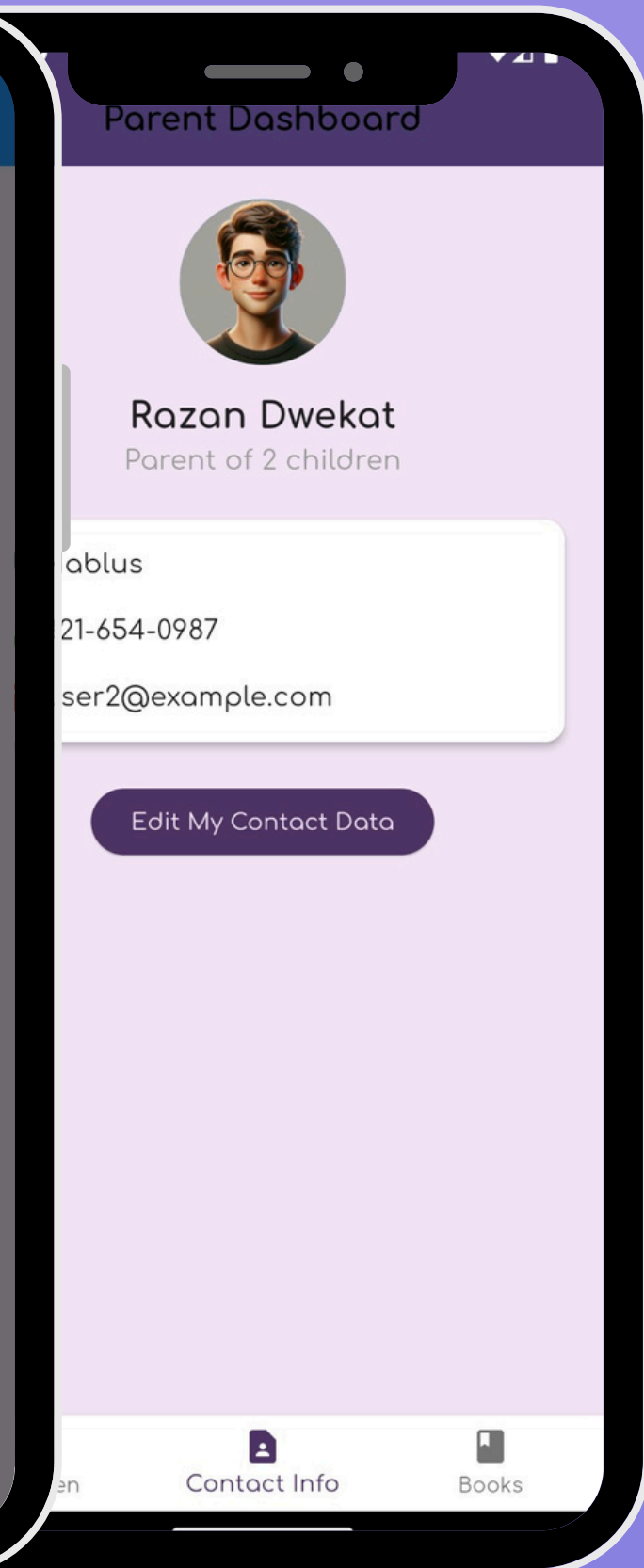
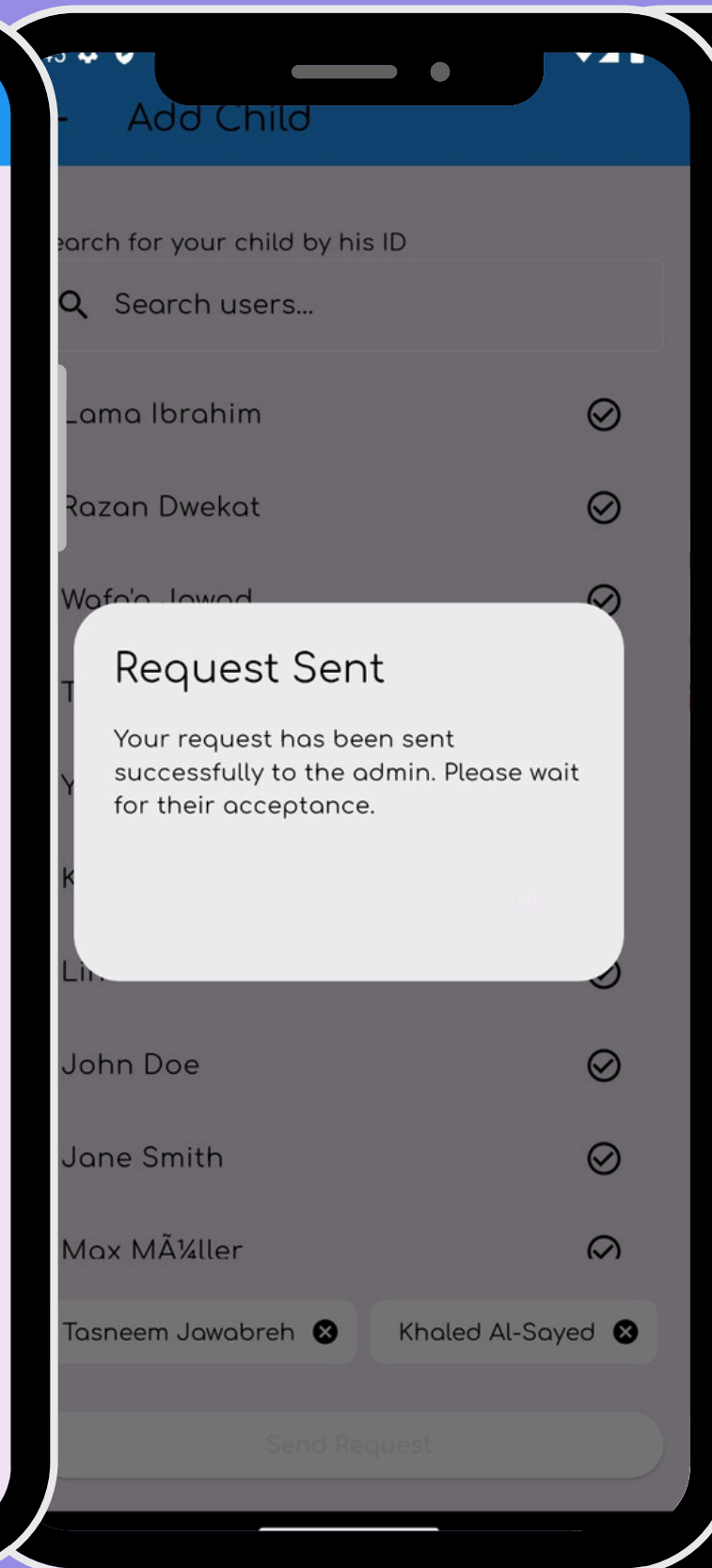
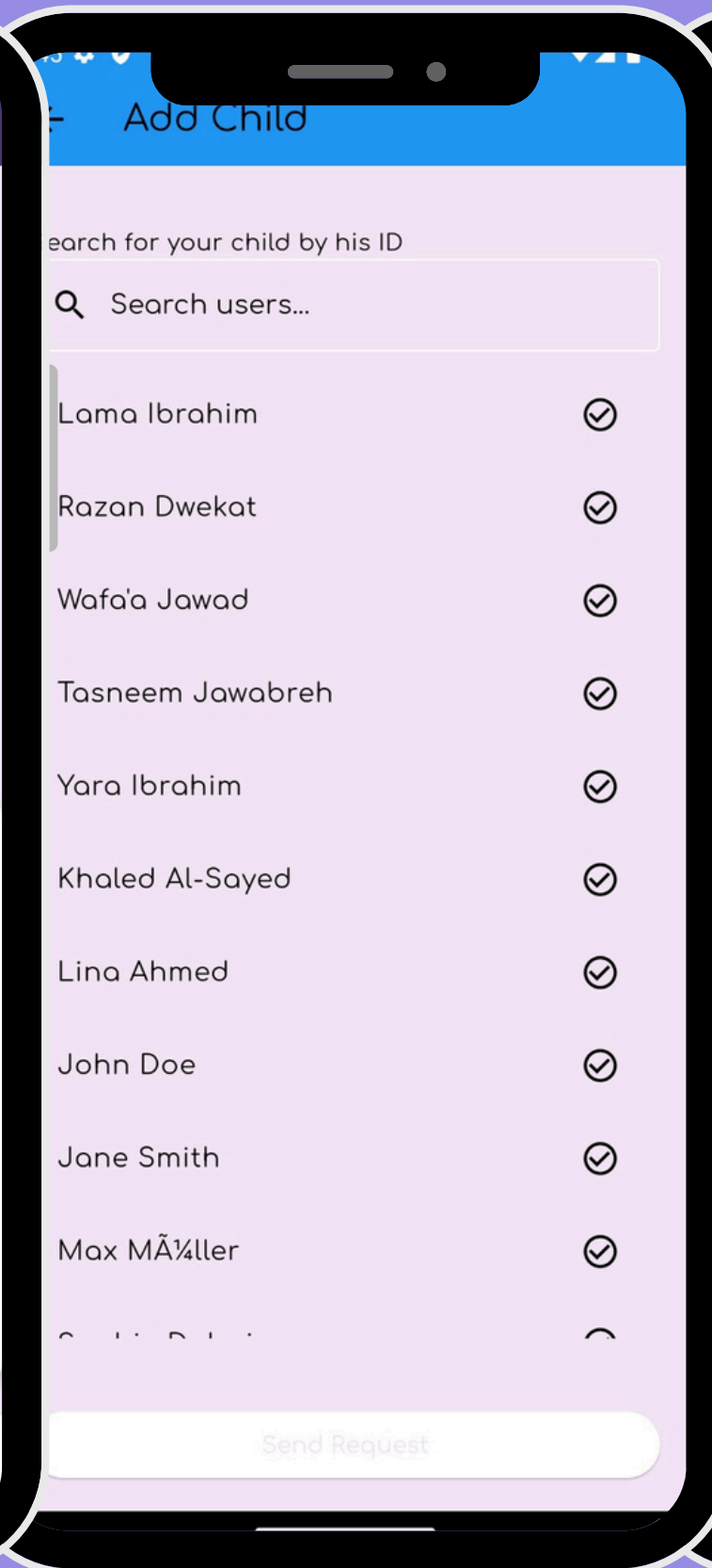
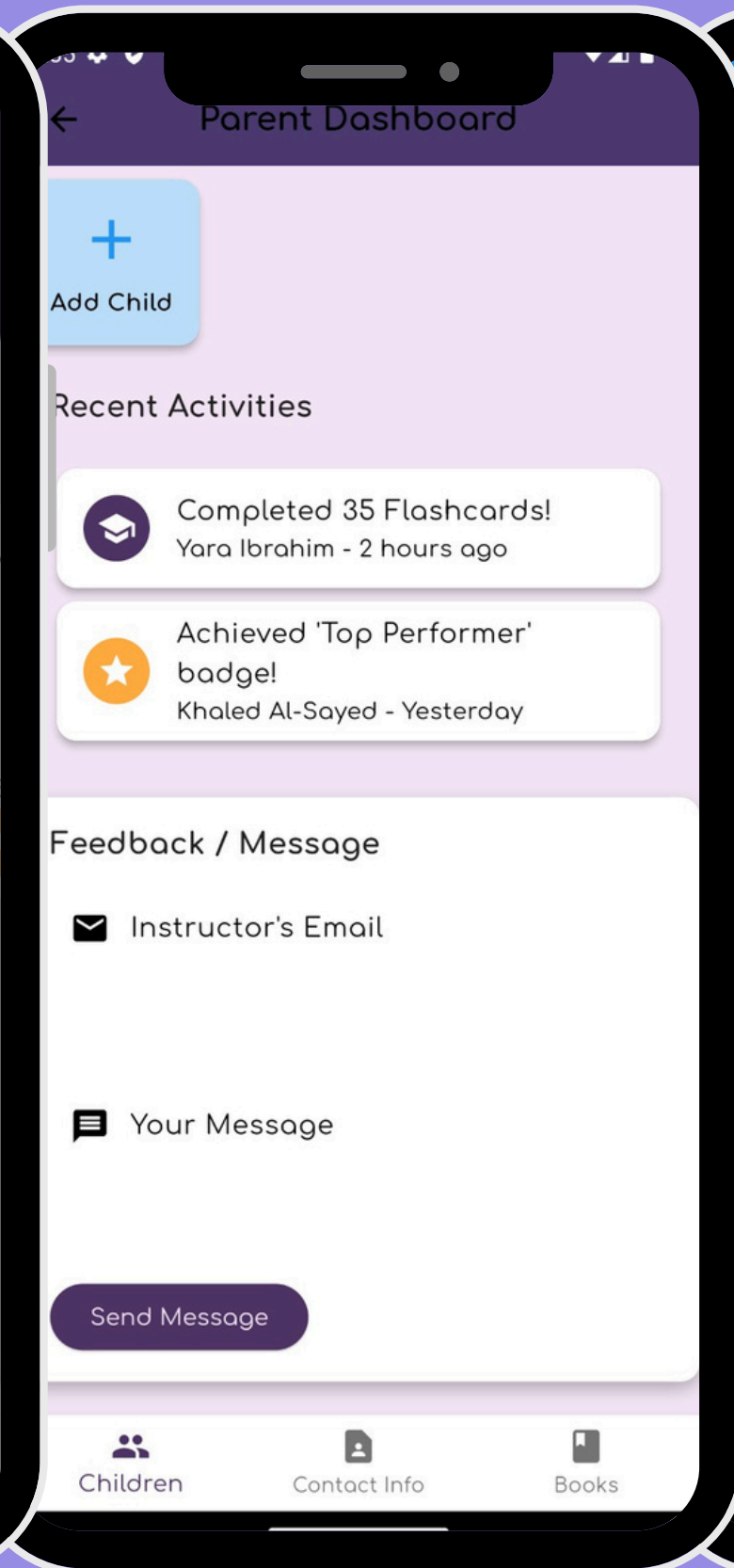
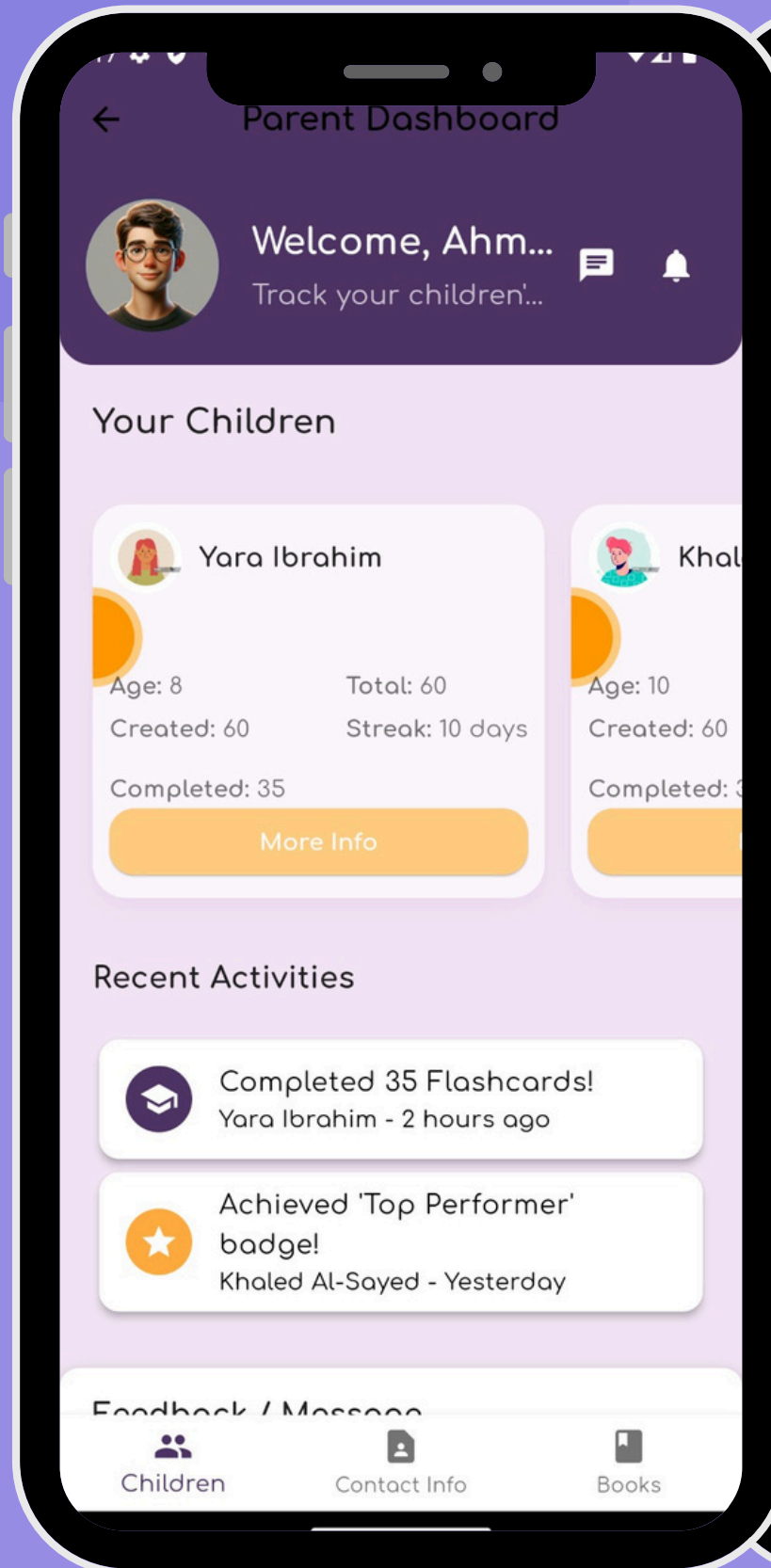
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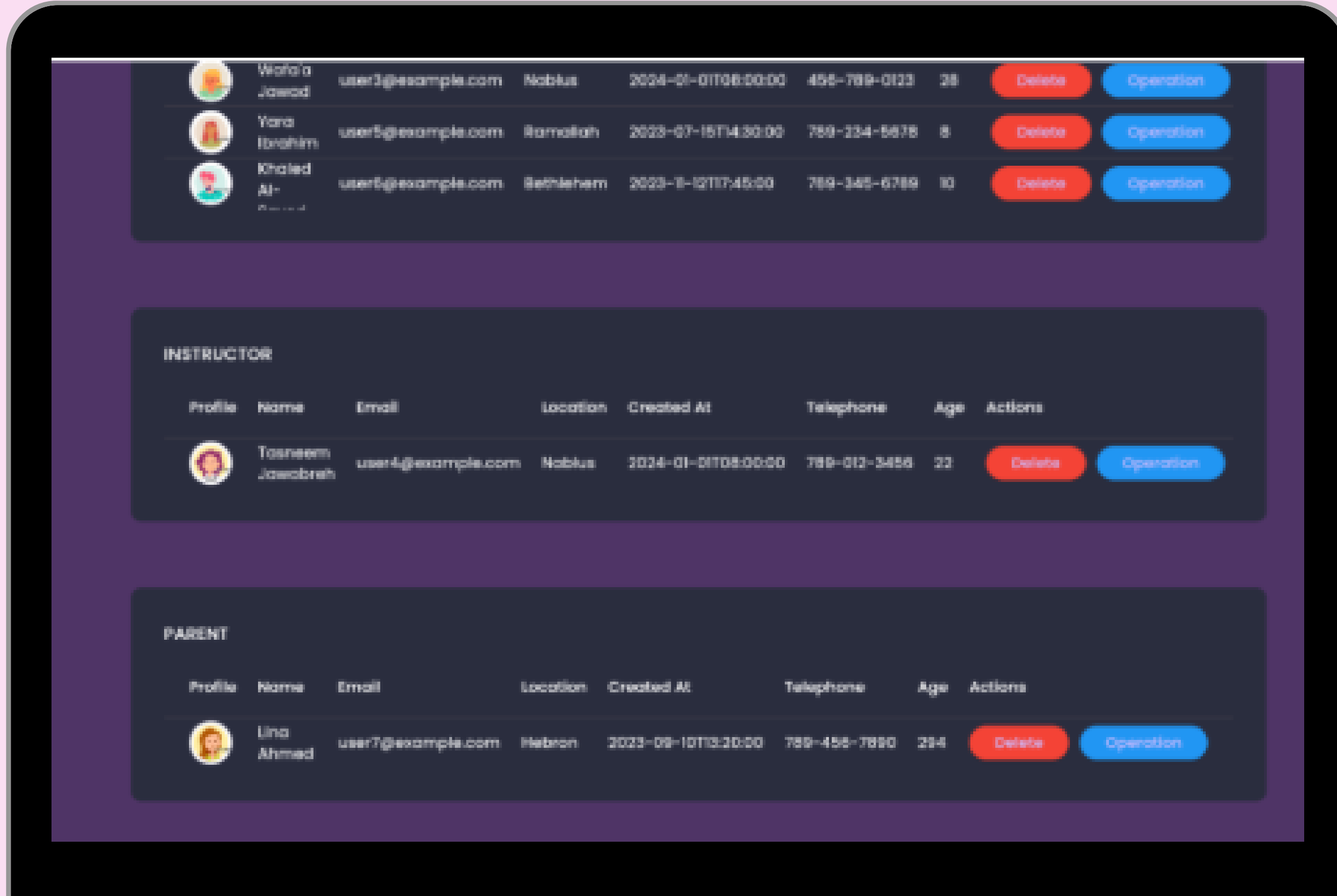
Lama Ibrahim

ADMIN

Profile	Name	Email	Location	Created At	Telephone	Age	Actions
	Lama Ibrahim	user1@example.com	Nabius	2024-01-01T08:00:00	123-456-7890	25	<a href="#">Delete</a> <a href="#">Operation</a>

USER

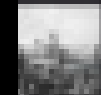
Profile	Name	Email	Location	Created At	Telephone	Age	Actions
	Razan Dwekat	user2@example.com	Nabius	2024-01-01T08:00:00	321-654-0987	30	<a href="#">Delete</a> <a href="#">Operation</a>
	Wafiq Jaseed	user3@example.com	Nabius	2024-01-01T08:00:00	456-789-0123	28	<a href="#">Delete</a> <a href="#">Operation</a>
	Yana Ibrahim	user4@example.com	Ramallah	2023-07-15T14:30:00	789-234-5678	8	<a href="#">Delete</a> <a href="#">Operation</a>
	Khaled Al-Farid	user5@example.com	Bethlehem	2023-11-12T17:45:00	789-345-6789	10	<a href="#">Delete</a> <a href="#">Operation</a>



dashboards Subjects



Mathematics  
Privacy: public



History  
Privacy: public



Science  
Privacy: public



Literature  
Privacy: public



sport  
Privacy: public



### Topics in Mathematics

Algebra

Geometry

Trigonometry

Calculus

Statistics



Close

### Admin Requests

**We\_lama\_we**  
Email: lama.ibrahim@outlook.sa  
Requested: 2025-01-23T19:15:07.7371949  
Status: Pending



# FUTURE WORK

## AR-Supported Flashcards

Integrate augmented reality to provide interactive and immersive learning experiences.

## Mind Map Integration

Link flashcards and notes into mind maps for better visualization of concepts.

## Offline Mode & Synchronization

Enable users to access study materials offline with automatic synchronization when reconnected.



**Thank You!**





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Physical Activity  
20 flashcards  
by Razan Dwekat

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20 flashcards  
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Biology  
20 flashcards  
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Ancient Egypt  
20 flashcards  
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### Top Creators

 **Khaled Al-Sayed**  
Tech enthusiast and passionate about coding

Age	Flashcards	Streak
10	24	7

 **Wafa'a Jawad**  
Avid learner of technology

Age	Flashcards	Streak
28	12	7

 **Tasneem Jawabreh**  
Loves mathematics and science

Age	Flashcards	Streak
25	10	5




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Age	Flashcards	Streak
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