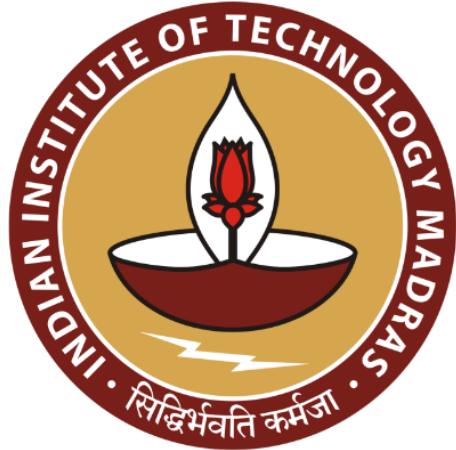


# INDIAN INSTITUTE OF TECHNOLOGY MADRAS



## Software Engineering Project: **Milestone 2**

SUBMITTED IN THE PARTIAL FULFILLMENT OF THE  
REQUIREMENTS OF THE COURSE:

## **BSCSS3001: Software Engineering**

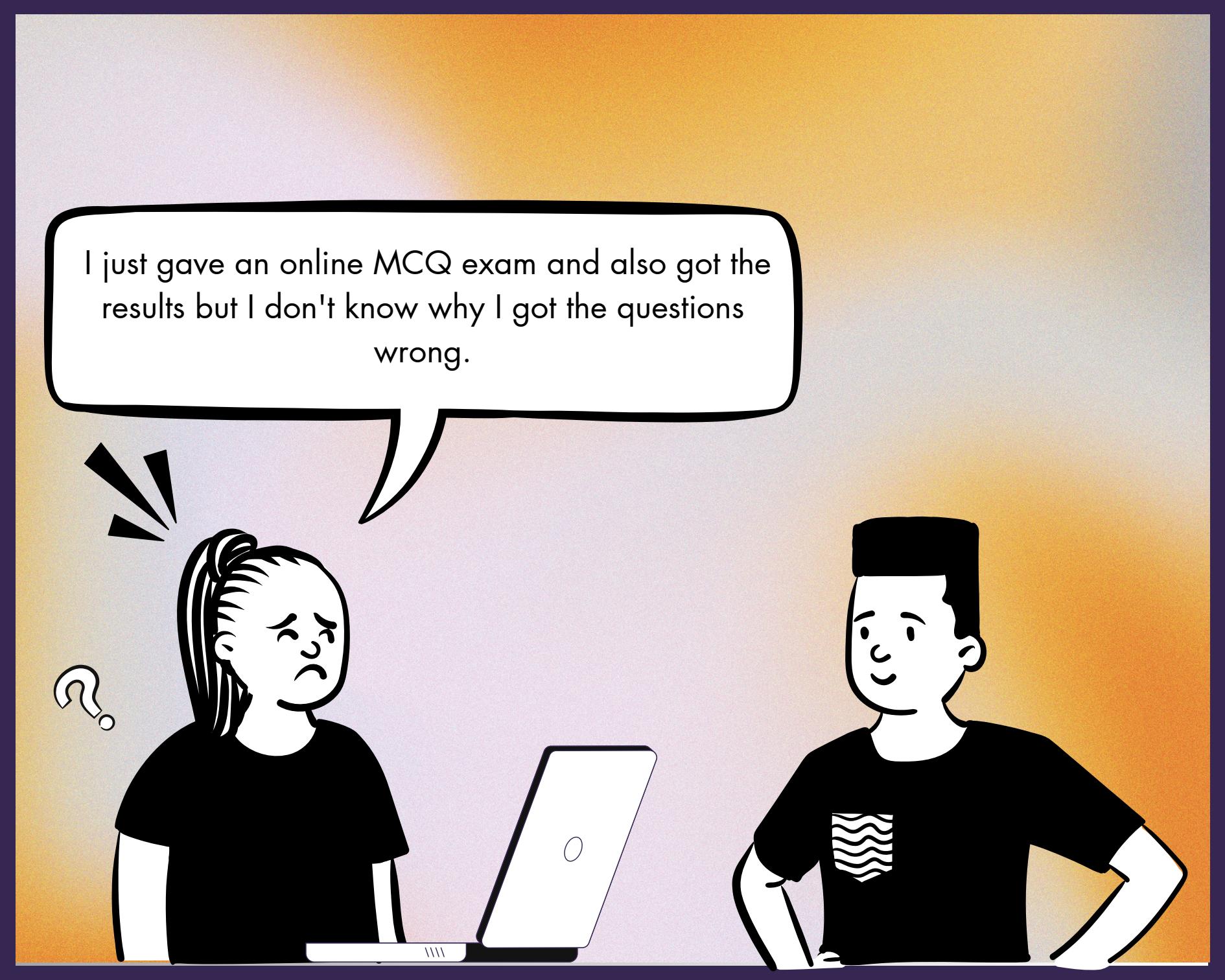
*By*

Samagya Rathi (21f3002675)  
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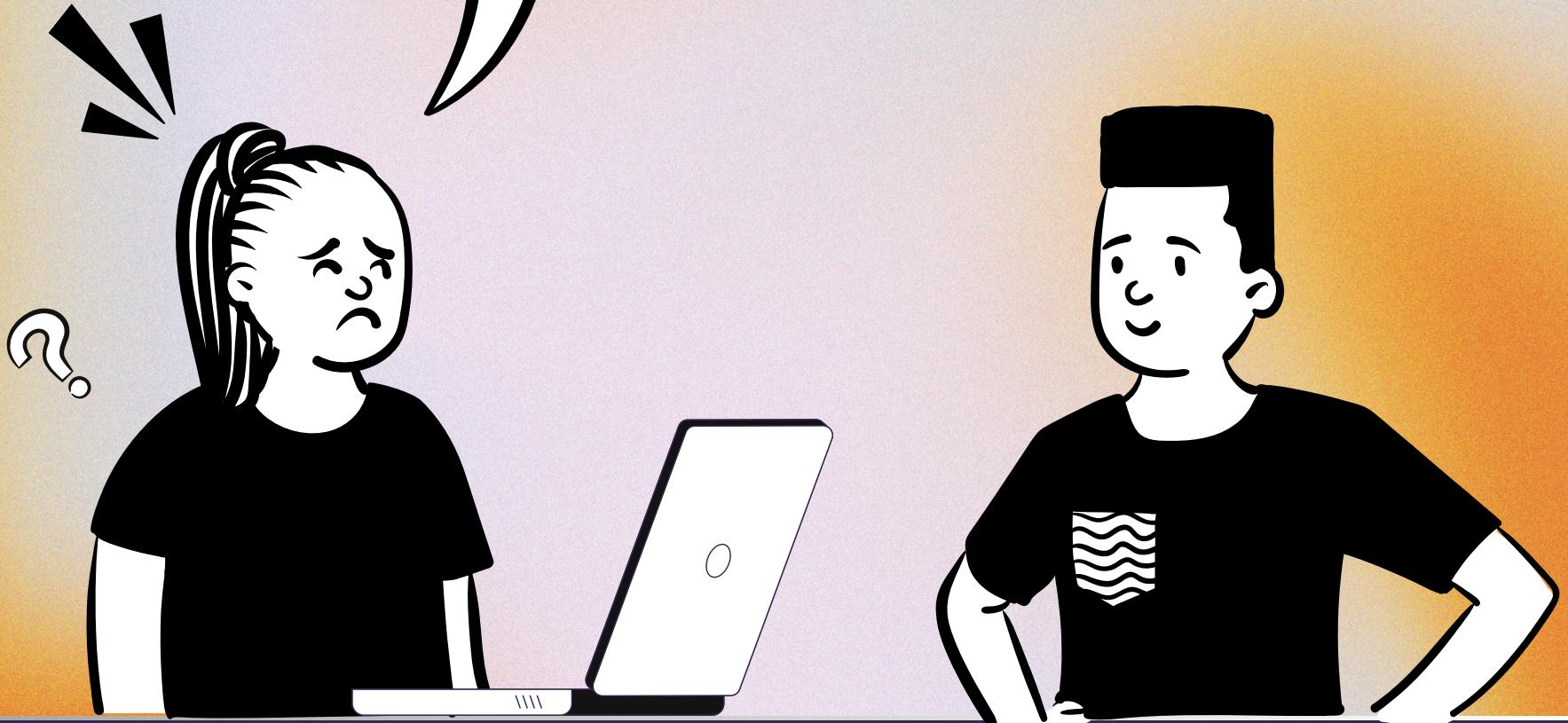
# **CONTENTS**

- 1. STORYBOARDS**
- 2. LOW-FIDELITY WIREFRAMES**

# **Story Board - 1**

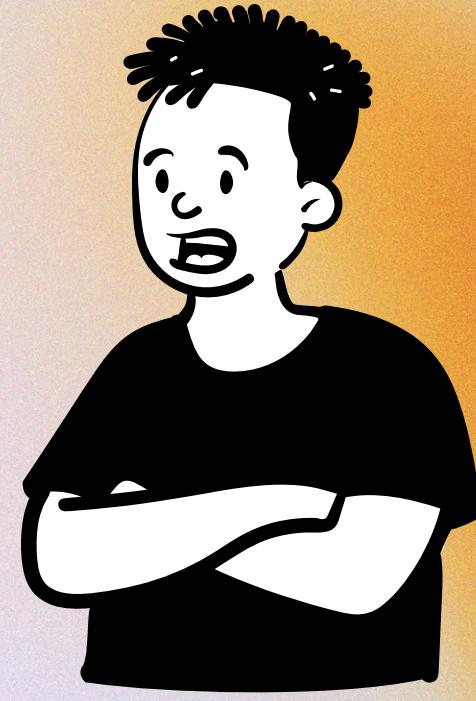


I just gave an online MCQ exam and also got the results but I don't know why I got the questions wrong.

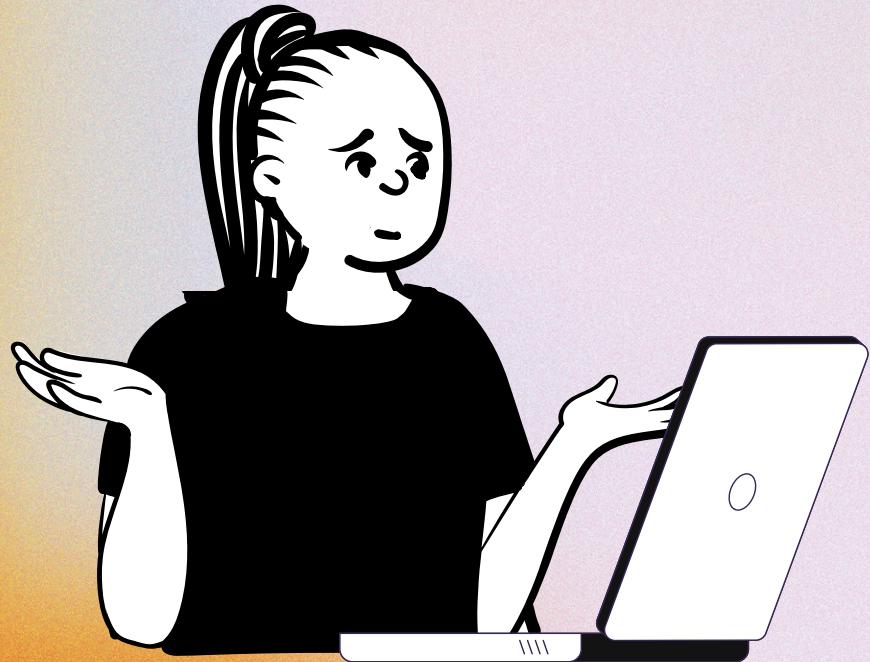




Isn't there feedback provided by the teaching assistants under each question ?



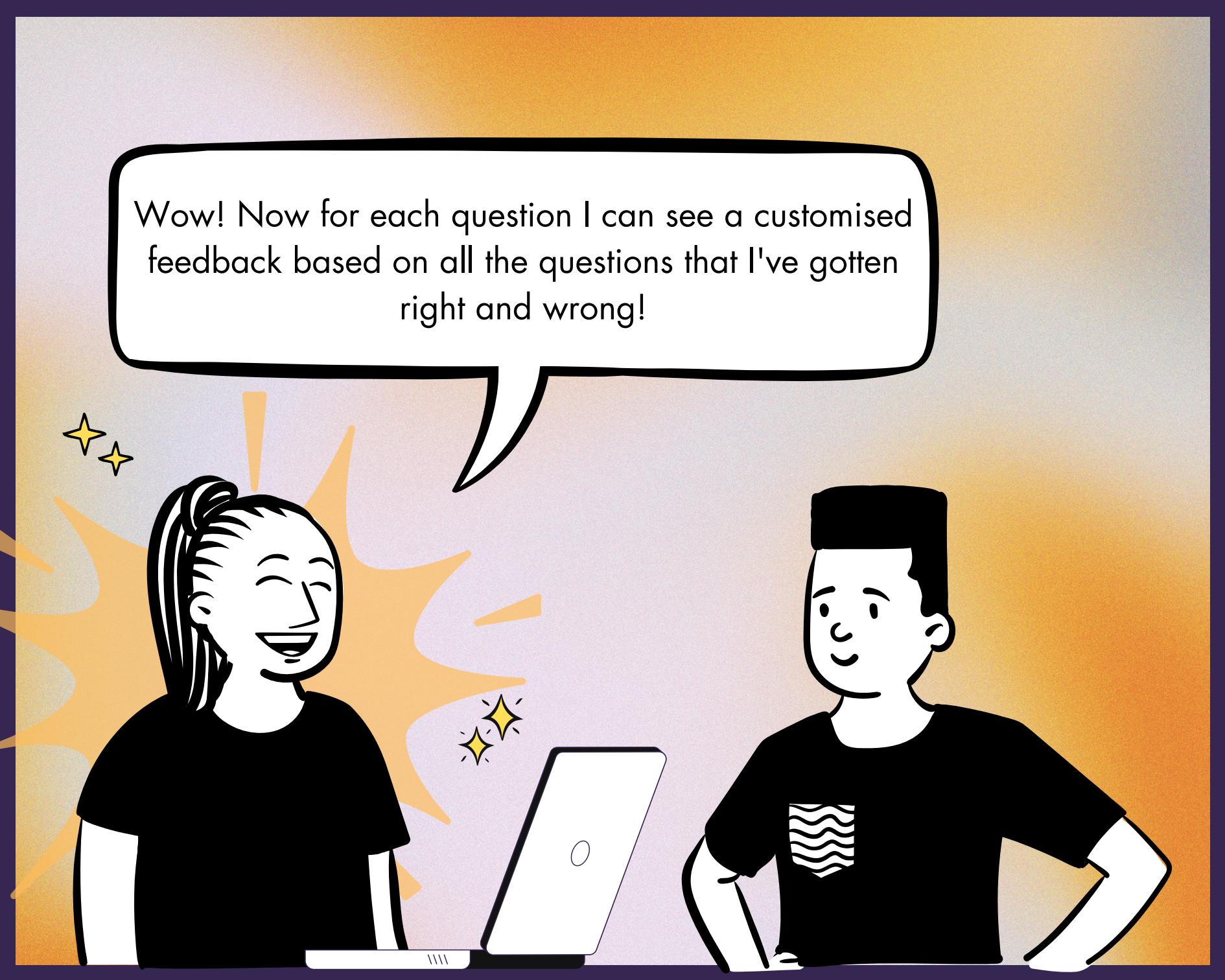
There is, but the feedback is quite incomplete in nature. It is very minimal.



Why don't you try using the new Gen AI feature that provides customized feedback?

Yes please, Let just me try it.

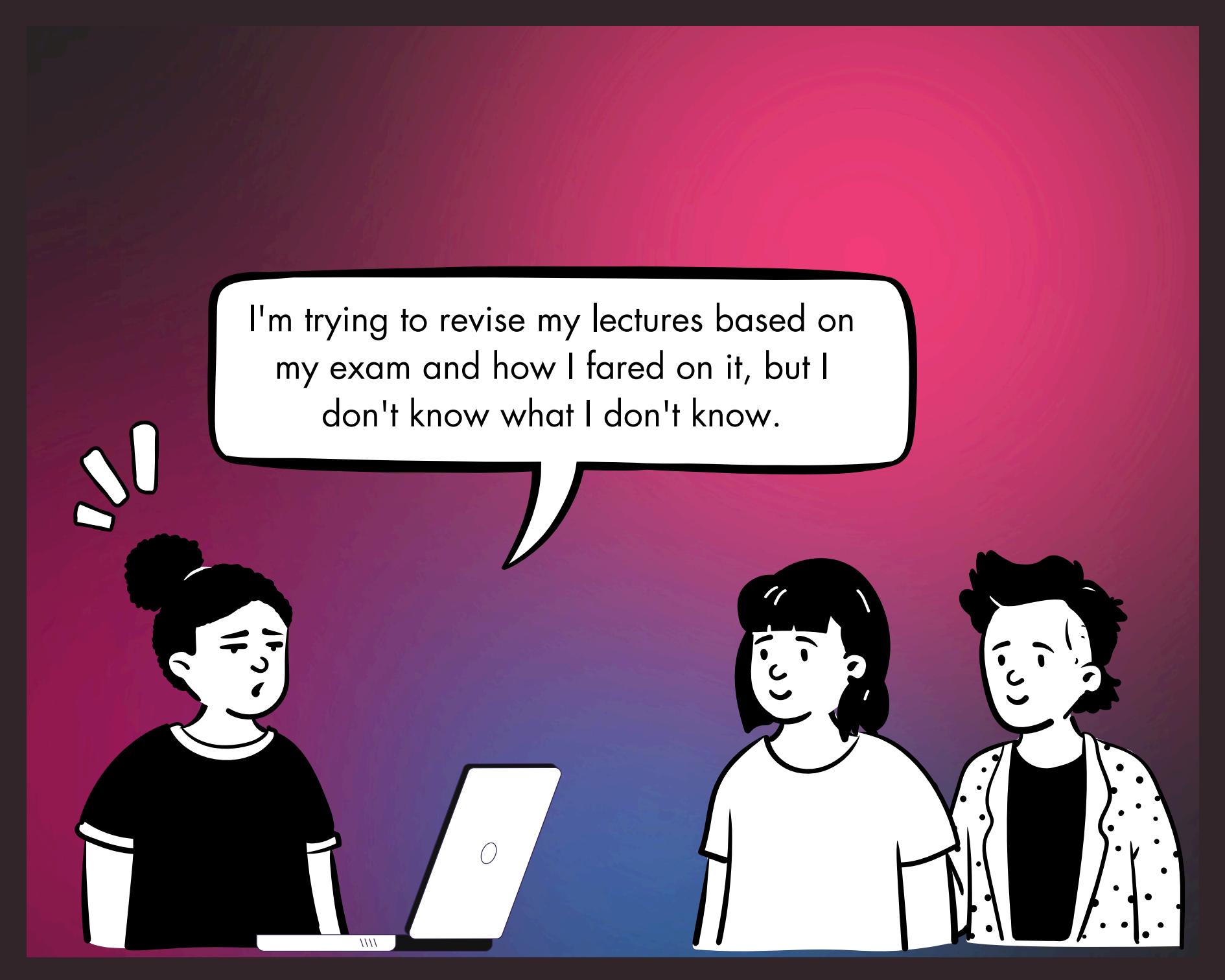
\*Tries the feature\*



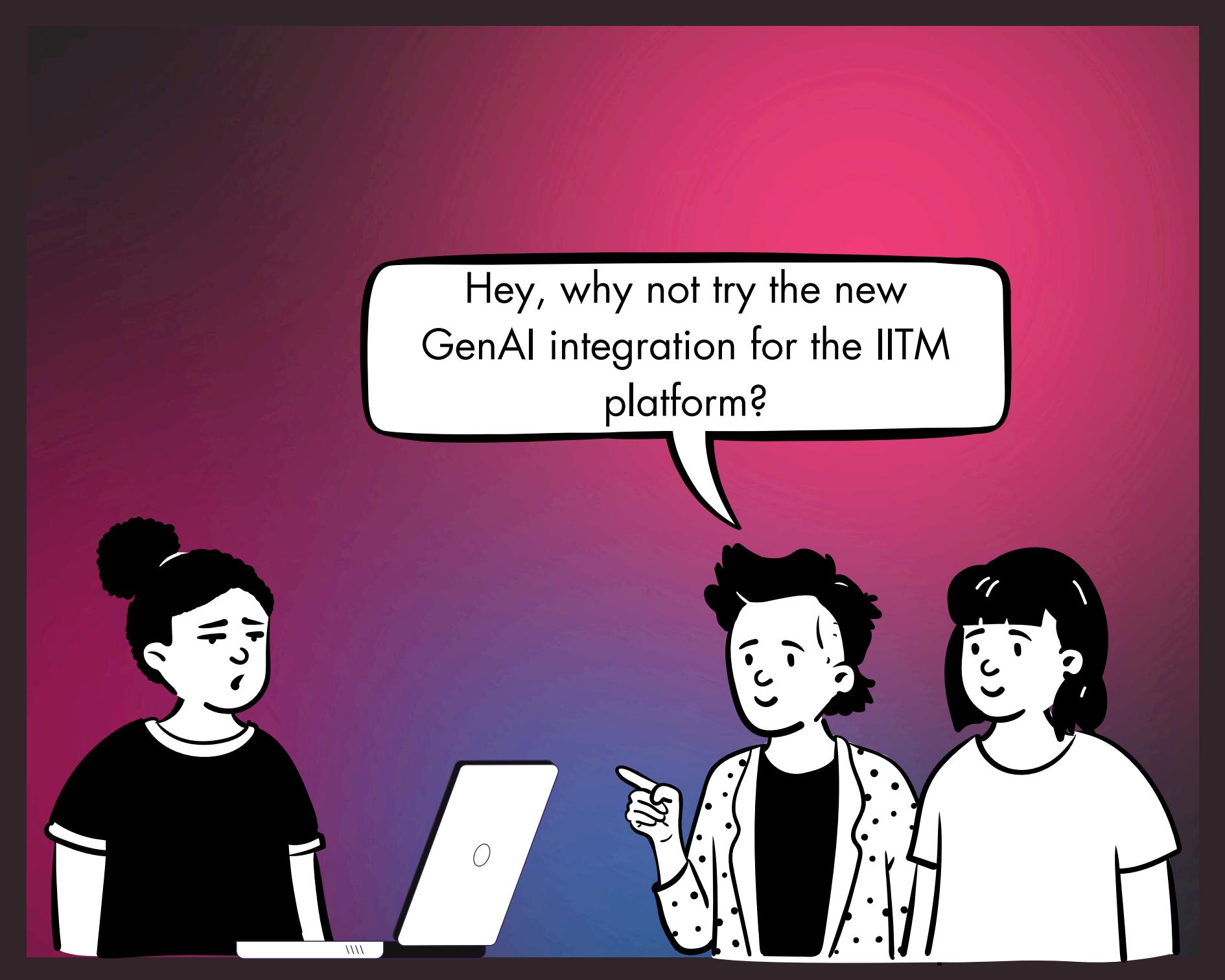
Wow! Now for each question I can see a customised feedback based on all the questions that I've gotten right and wrong!



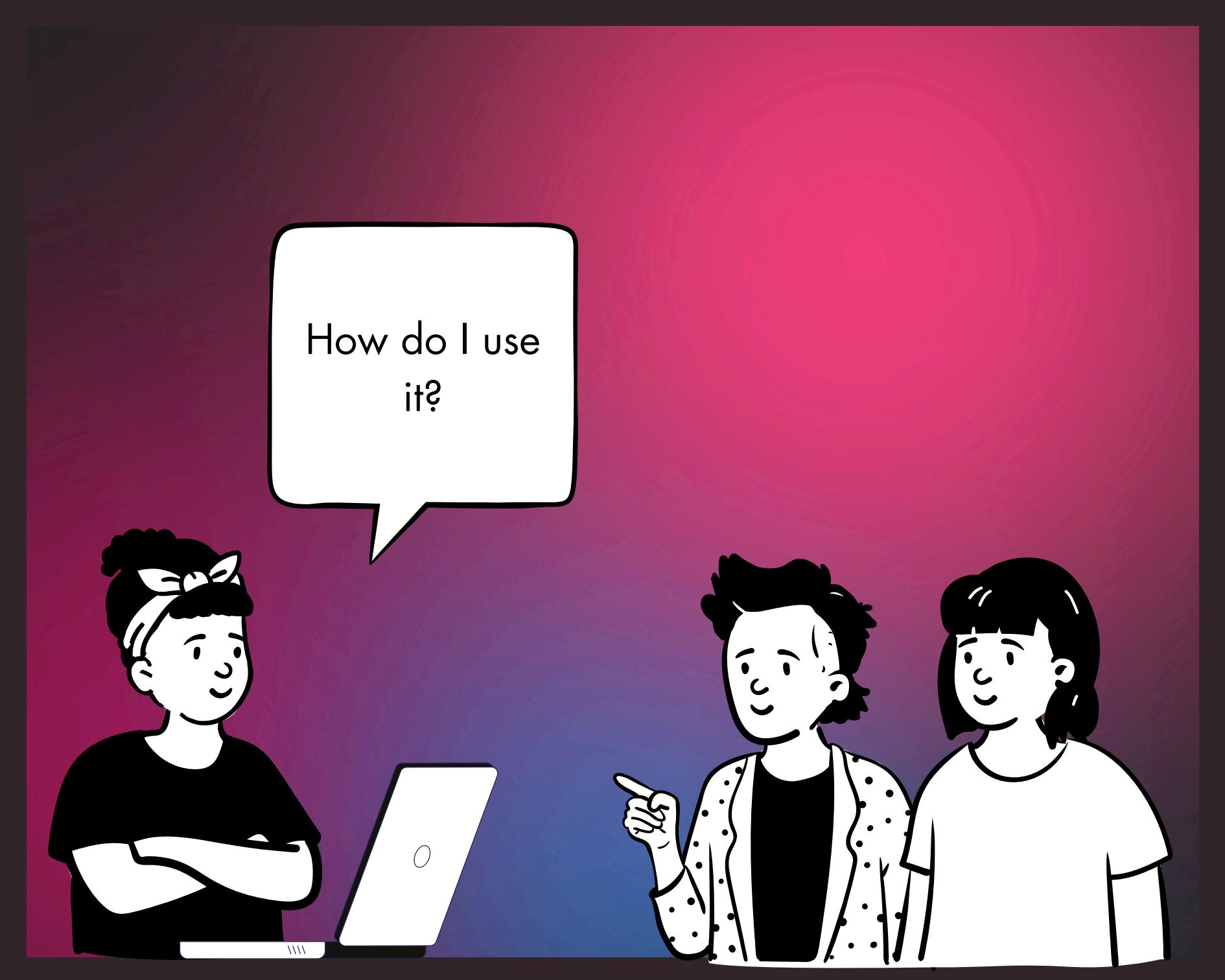
# **Story Board - 2**



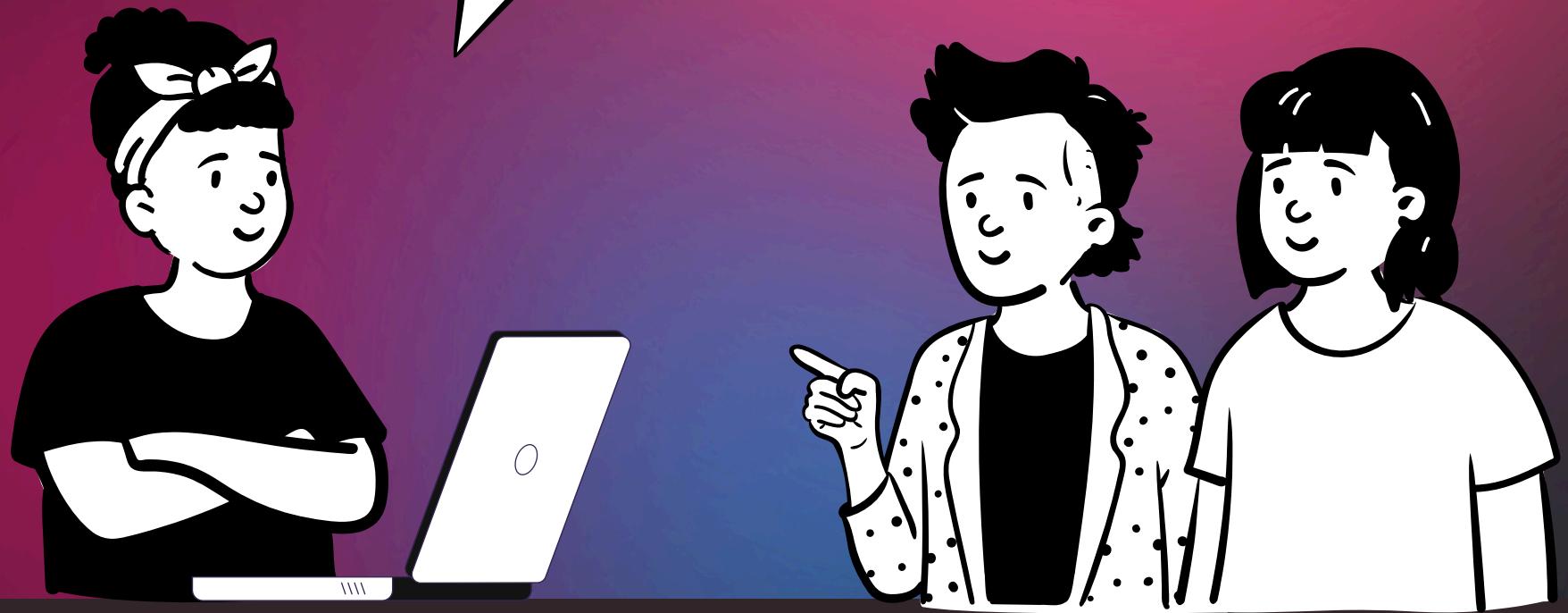
I'm trying to revise my lectures based on my exam and how I fared on it, but I don't know what I don't know.

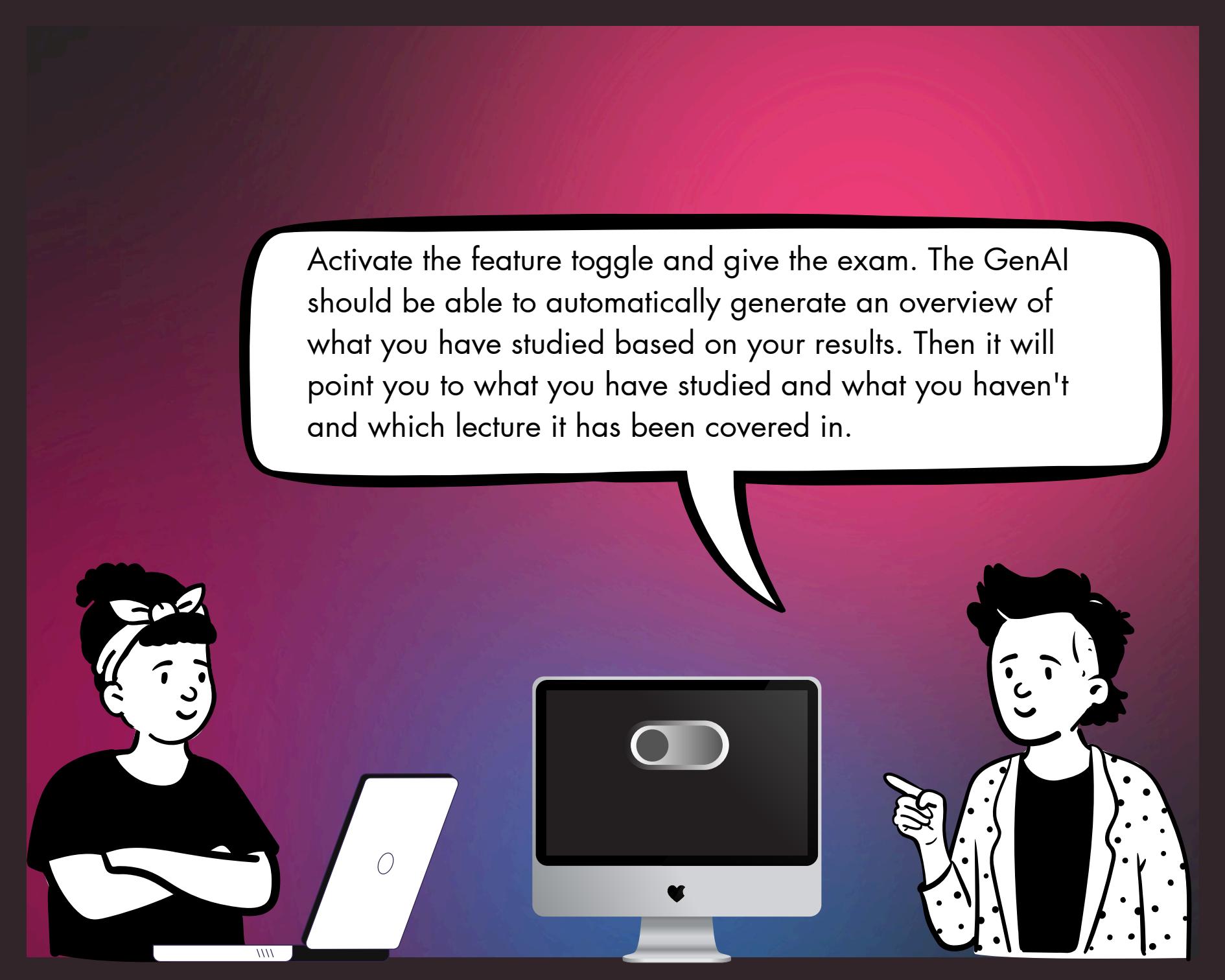


Hey, why not try the new  
GenAI integration for the IITM  
platform?



How do I use  
it?



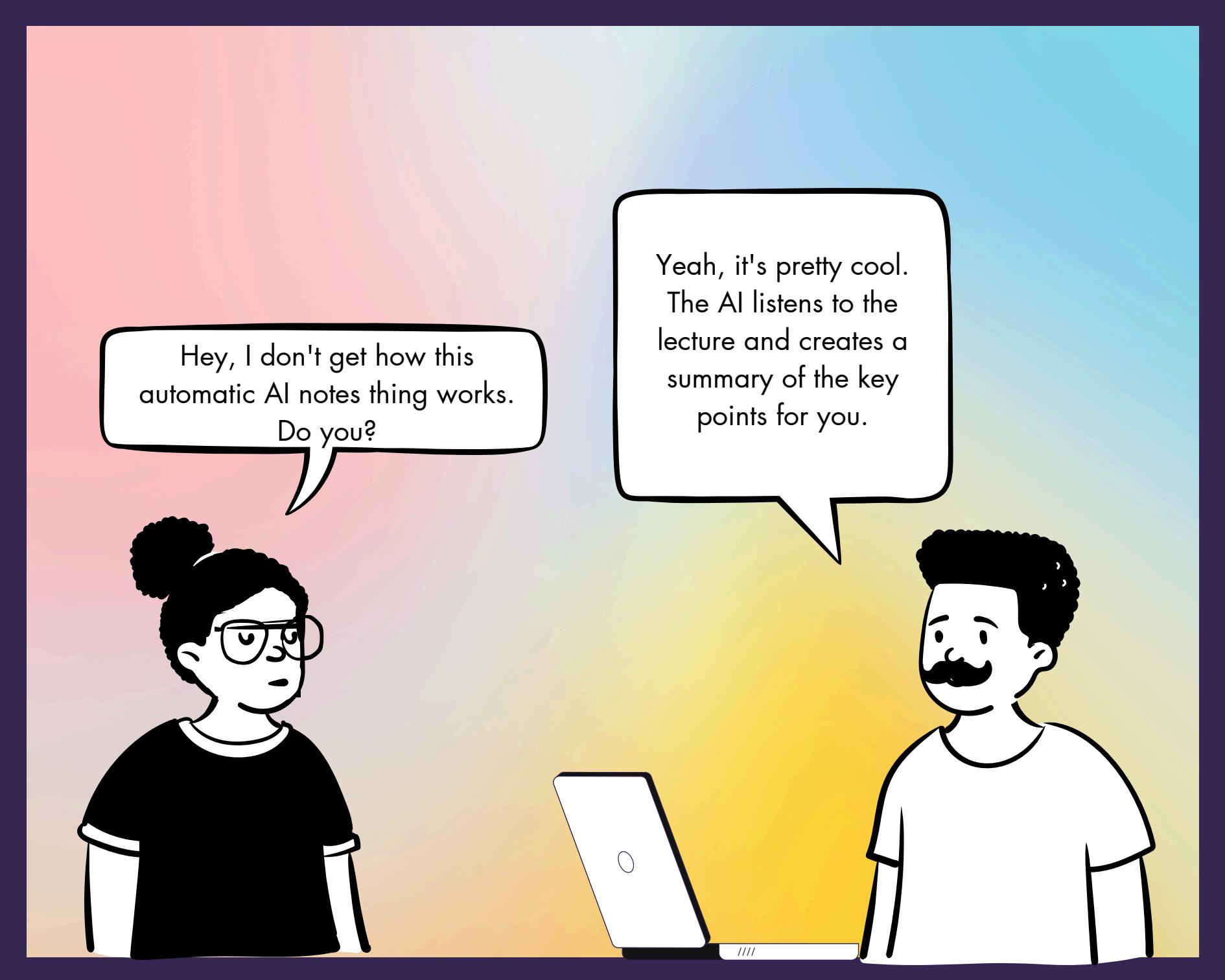


Activate the feature toggle and give the exam. The GenAI should be able to automatically generate an overview of what you have studied based on your results. Then it will point you to what you have studied and what you haven't and which lecture it has been covered in.



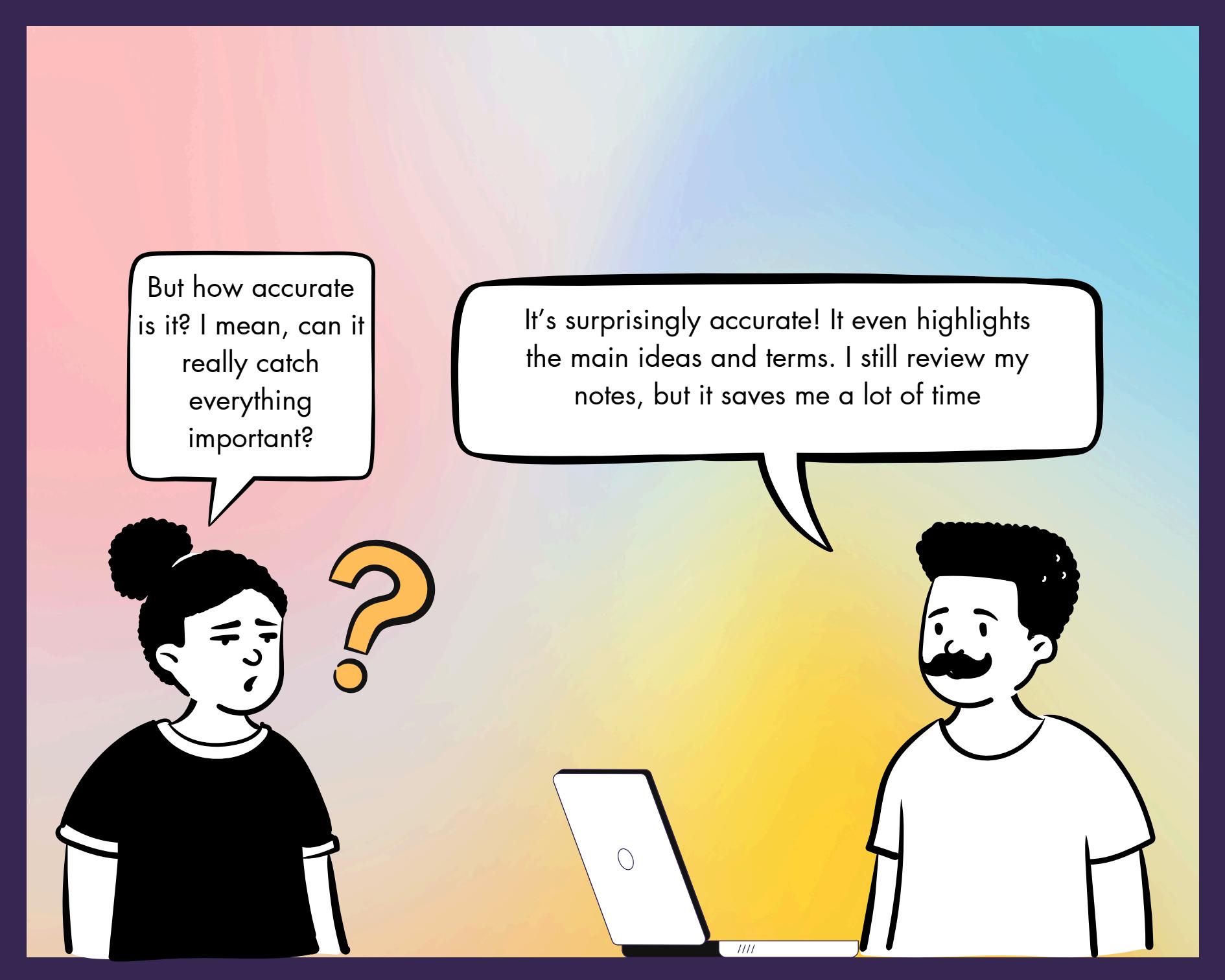
Awesome! This should easily help me figure out what I need to study as well as be able to easily study it since I know where to find it.

# **Story Board - 3**



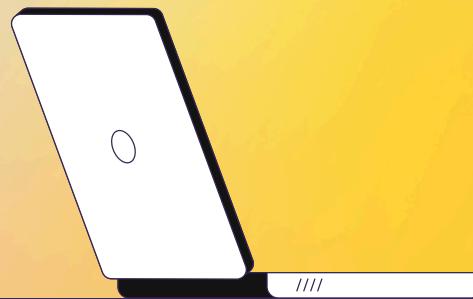
Hey, I don't get how this  
automatic AI notes thing works.  
Do you?

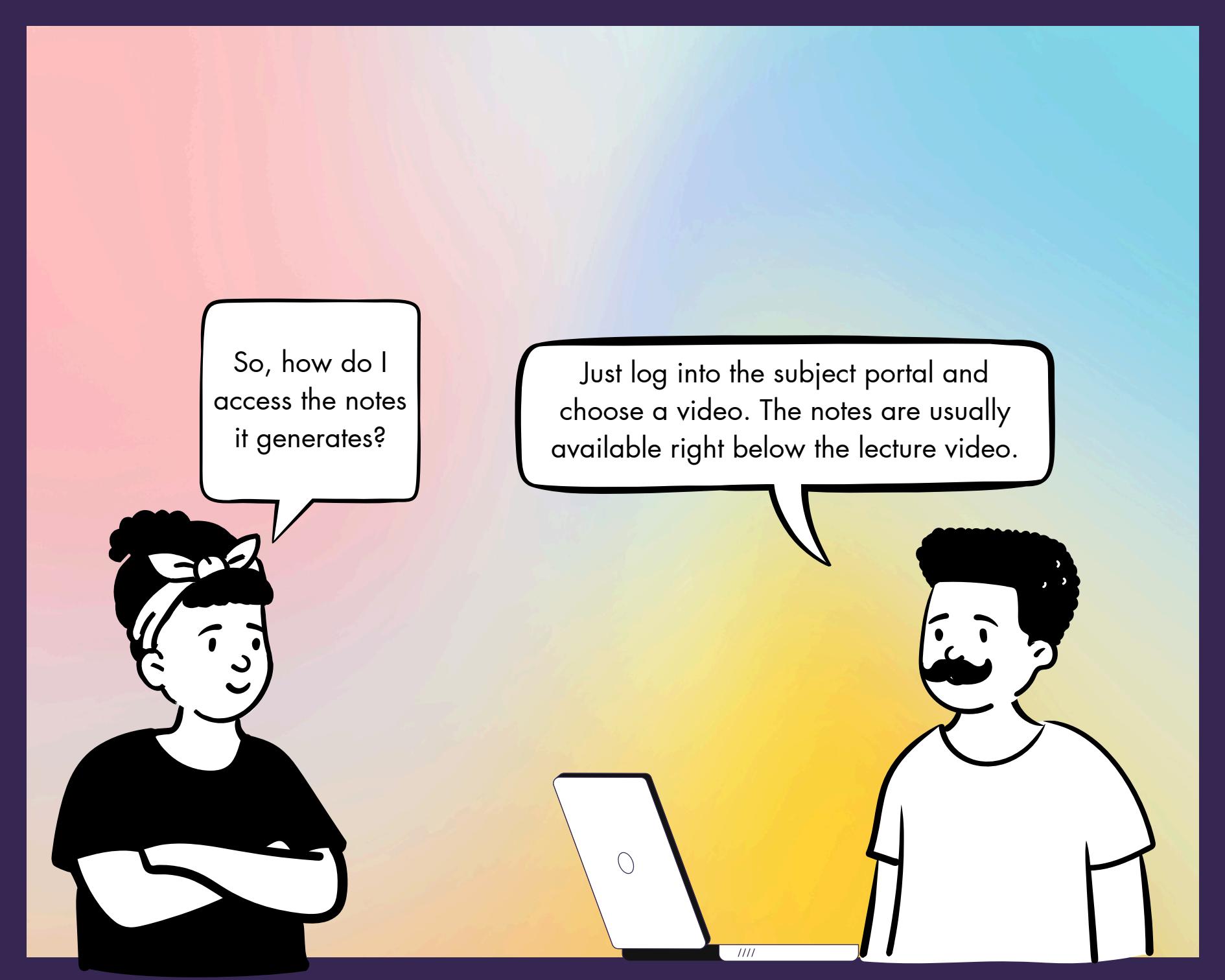
Yeah, it's pretty cool.  
The AI listens to the  
lecture and creates a  
summary of the key  
points for you.



But how accurate is it? I mean, can it really catch everything important?

It's surprisingly accurate! It even highlights the main ideas and terms. I still review my notes, but it saves me a lot of time





So, how do I  
access the notes  
it generates?

Just log into the subject portal and  
choose a video. The notes are usually  
available right below the lecture video.



That's awesome! I was worried I'd miss something important



Don't worry. With the AI notes, you'll be more than covered!

# LOW-FIDELITY WIREFRAMES:

## 1. Interactive Quizzes with Live Feedback

IIT Madras		May 2024 - Software Engineering		21f3002005@ds.study.iitm.ac.in → ]
<ul style="list-style-type: none"><li> Modules</li><li> Grades</li><li> Inbox</li><li> Discuss</li></ul>	Course Introduction		AQ1.1	
	Week 1		1. The software can be divided into separately addressable components known as - <input type="radio"/> elements <input type="radio"/> modules <input type="radio"/> partitions <input type="radio"/> cases	
	Lecture 1		Why we divide software into components? ... <span style="float: right;">Send</span>	
	Lecture 2		2. "Software Components run independent of each other and should not share any data or communicate with each other." Is this statement true or false? <input type="radio"/> True <input type="radio"/> False	
	AQ1.2		Does modules of software interact with each other? <span style="float: right;">Send</span>	
	Lecture 3			
	AQ1.3		Analyze My Solutions	
	Learning Interactions		Check Answers	
	Programming Assignment		Ask your question here	
Graded Assignment 1				

IIT Madras		May 2024 - Software Engineering		21f3002005@ds.study.iitm.ac.in → ]
<ul style="list-style-type: none"><li> Modules</li><li> Grades</li><li> Inbox</li><li> Discuss</li></ul>	Course Introduction		AQ1.1	
	Week 1		1. The software can be divided into separately addressable components known as - <input type="radio"/> elements <input type="radio"/> modules <input type="radio"/> partitions <input type="radio"/> cases	
	Lecture 1		We divide software into small addressable components known as modules to reduce the workload for any one particular software developer. In this way, you get more productivity.	
	Lecture 2		Why we divide software into components? ... <span style="float: right;">Send</span>	
	AQ1.2		2. "Software Components run independent of each other and should not share any data or communicate with each other." Is this statement true or false? <input type="radio"/> True <input type="radio"/> False	
	Lecture 3		Yeah obviously, the modules of the software have to interact with each other all the time. Most of the time, they interact with each other with the help of interfaces.	
	AQ1.3		Does modules of software interact with each other? <span style="float: right;">Send</span>	
	Learning Interactions		Analyze My Solutions	
	Programming Assignment		Check Answers	
Graded Assignment 1		You'll get your answers here		

IIT Madras		May 2024 - Software Engineering		21f3002005@ds.study.iitm.ac.in → ]
 Modules  Grades  Inbox  Discuss  AQ1.3  Learning Interactions  Programming Assignment  Graded Assignment 1	<b>Course Introduction</b> ▾ <b>Week 1</b> ▾ Lecture 1 Lecture 2 AQ1.2 Lecture 3 AQ1.3 Learning Interactions Programming Assignment Graded Assignment 1			<b>AQ1.1</b> 1. The software can be divided into separately addressable components known as - <input type="radio"/> elements <input checked="" type="radio"/> modules <input type="radio"/> partitions <input type="radio"/> cases  <i>Yes, the answer is correct.</i> <i>Why we divide software into components? ...</i> <span style="border: 1px solid black; padding: 2px;">Send</span>  2. "Software Components run independent of each other and should not share any data or communicate with each other." Is this statement true or false? <input checked="" type="radio"/> True <input type="radio"/> False  <i>No, the answer is wrong. The correct answer is False.</i> <i>Does modules of software interact with each other?</i> <span style="border: 1px solid black; padding: 2px;">Send</span>  <i>I think you lack in some basic concepts like you should understand that if the software has been divided into components like modules, then they will obviously interact with each other.</i> <span style="border: 1px solid black; padding: 2px; background-color: #e0f2e0;">Analyze My Solutions</span> <span style="border: 1px solid black; padding: 2px; background-color: #e0e0e0;">Check Answers</span>

**Automatically suggests what the student is lacking and provides an explanation**

**Click on “Analyze My Solutions”**

## 2. Video Summary and Key Topics Generation

IIT Madras		May 2024 - Software Engineering		21f3002005@ds.study.iitm.ac.in → ]
 Modules  Grades  Inbox  Discuss  AQ1.3  Learning Interactions  Programming Assignment  Graded Assignment 1	<b>Course Introduction</b> ▾ <b>Week 1</b> ▾ Lecture 1 Lecture 2 AQ1.2 Lecture 3 AQ1.3 Learning Interactions Programming Assignment Graded Assignment 1			<b>Lecture 1: Introduction to SE Course</b> <span style="background-color: #e0e0e0; border: 1px solid black; padding: 10px; text-align: center;">Video</span>  <b>Lecture 1: Summary</b> <span style="background-color: #e0f2e0; border: 1px solid black; padding: 5px; display: inline-block;">AI Generated Summary</span>  <b>Lecture 1: Key Topics</b> <span style="background-color: #e0e0e0; border: 1px solid black; padding: 5px; display: inline-block;">AI Generated Key Topics</span>

### 3. AI-Powered Code Help with Assignments

 IIT Madras	May 2024 - Software Engineering	21f3002005@ds.study.iitm.ac.in → ]
<b>Modules</b> Course Introduction Week 1 Lecture 1 Lecture 2 AQ1.2 Lecture 3 AQ1.3 Learning Interactions Programming Assignment Graded Assignment 1	<b>Programming Assignment</b>  Print the first 5 positive integers in ascending order with one number in each line.  # Print first 3 integers in ascending order print(1) print(2) print(3)  Print first 3 integers in ascending order with one number in each line... <b>Send</b>  Write your code here...  <b>Enter your question here</b>  <b>Check Answers</b>	 <b>Get your additional effective feedback here</b>

### 4. Chatbot for Quick Doubt Resolution

 IIT Madras	May 2024 - Software Engineering	21f3002005@ds.study.iitm.ac.in → ]
<b>Modules</b> Course Introduction Week 1 Week 2 Week 3 Week 4	<b>Welcome to Software Engineering Course</b>  We as a part of course team welcome you to the May 2024 term in this Software Engineering course. In this course we will learn all the basics of Software Development Life Cycle, how do the steps of SDLC interact with each other.  We have introduced the GenAI integrated with our portal...  <b>Click on this icon to open Chatbot</b>	

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 Modules	Student Chat-Bot	
 Grades		
 Inbox		
 Discuss		
 Calculator		
 Chatbot	<p style="text-align: center;"><b>Chat with AI-Powered Bot for Instant Doubt Support</b></p> <p>Type your question here...</p> <p style="text-align: right;">Send</p>	

IIT Madras	May 2024 - Software Engineering	21f3002005@ds.study.iitm.ac.in → ]
 Modules	Student Chat-Bot	
 Grades		
 Inbox		
 Discuss		
 Calculator		
 Chatbot	<p style="text-align: center;"><b>Question</b></p> <p>What are different types of agile methodologies?</p> <p>Agile methodologies are a set of approaches and practices that promote adaptive planning, evolutionary development, early delivery, and continuous improvement. Here are some of the most widely recognized types of agile methodologies:</p> <p>Type your question here...</p> <p style="text-align: right;">Send</p>	