

# **USER GUIDE**

## **< LearnLoop >**

### **INTRODUCTION**

LearnLoop is an online platform that serves various functions to both tutors and students to enhance their learning and teaching environment via a comprehensive ecosystem. It contains various functionalities including a mock test and flashcards generator, via students' own study materials, to ensure a good revision environment is provided to students for the preparation of examinations. Worth mentioning is that if a student answers a question incorrectly in a mock test, it will be automatically generated as a flashcard, making it accessible for the student to recall their mistakes whenever they review the flashcard.

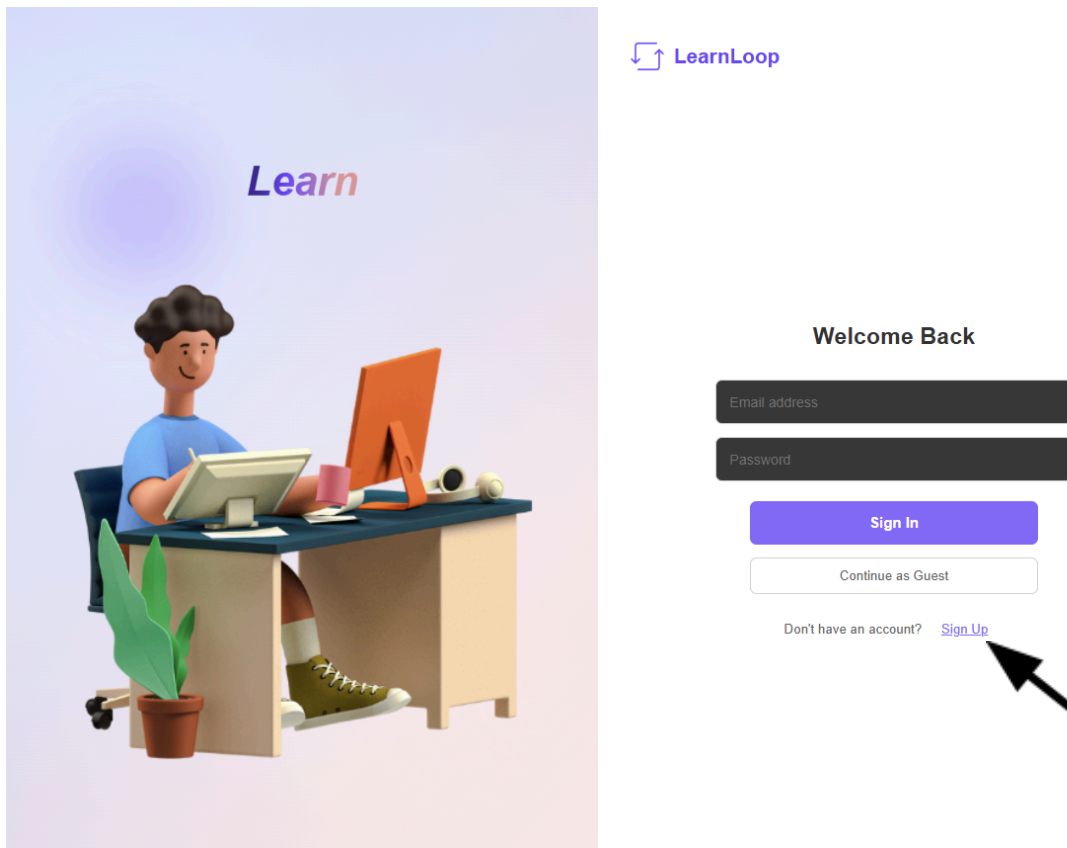
From the students' perspective, during revision, they might feel unconfident when they are uncertain about whether they are well-prepared for examinations. We understand and address their concerns by providing a past performance dashboard with assessments of their study data, enabling students to identify which subjects they are weaker in. Secondly, we provide a predictive decision tree model, where they can input their test results, assignment scores, and utilize existing information such as mock exam scores and study hours to predict the probability of reaching their desired targets of grade.

While we understand that there are various platforms available for tutoring services, we enhance tutor exposure via our built-in forum and tutor leaderboard to promote mutual benefits for both tutors and students. Students are able to ask questions on any topics related to studies or even the environment of higher institutions in the forum, while tutors can take the opportunity to answer their questions. This helps tutors gain exposure while earning credits as an assessment criterion. These credits will be recorded on the leaderboard and used to prioritize tutors when students select their desired tutors via our dedicated tutor scoring system.

We are confident that the functionalities, which are well linked to one another, enhance the students' study experience in all aspects, including the simplicity of recording their performance over time, a dedicated tutor selection platform, LLM-RAG-based mock exam and flashcard generators to ensure relevant revisions, and a free forum for asking simple questions. It can be a suitable platform for both tutors and students, creating a win-win situation for a sustainable ecosystem.

## SETUP AN ACCOUNT

Step 1: Sign up an account.

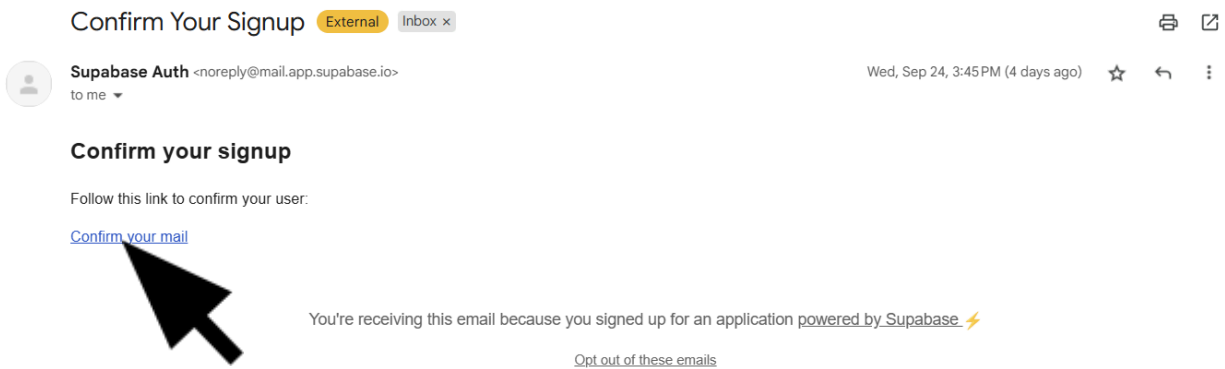


Step 2: Fill up new user's information to sign up.

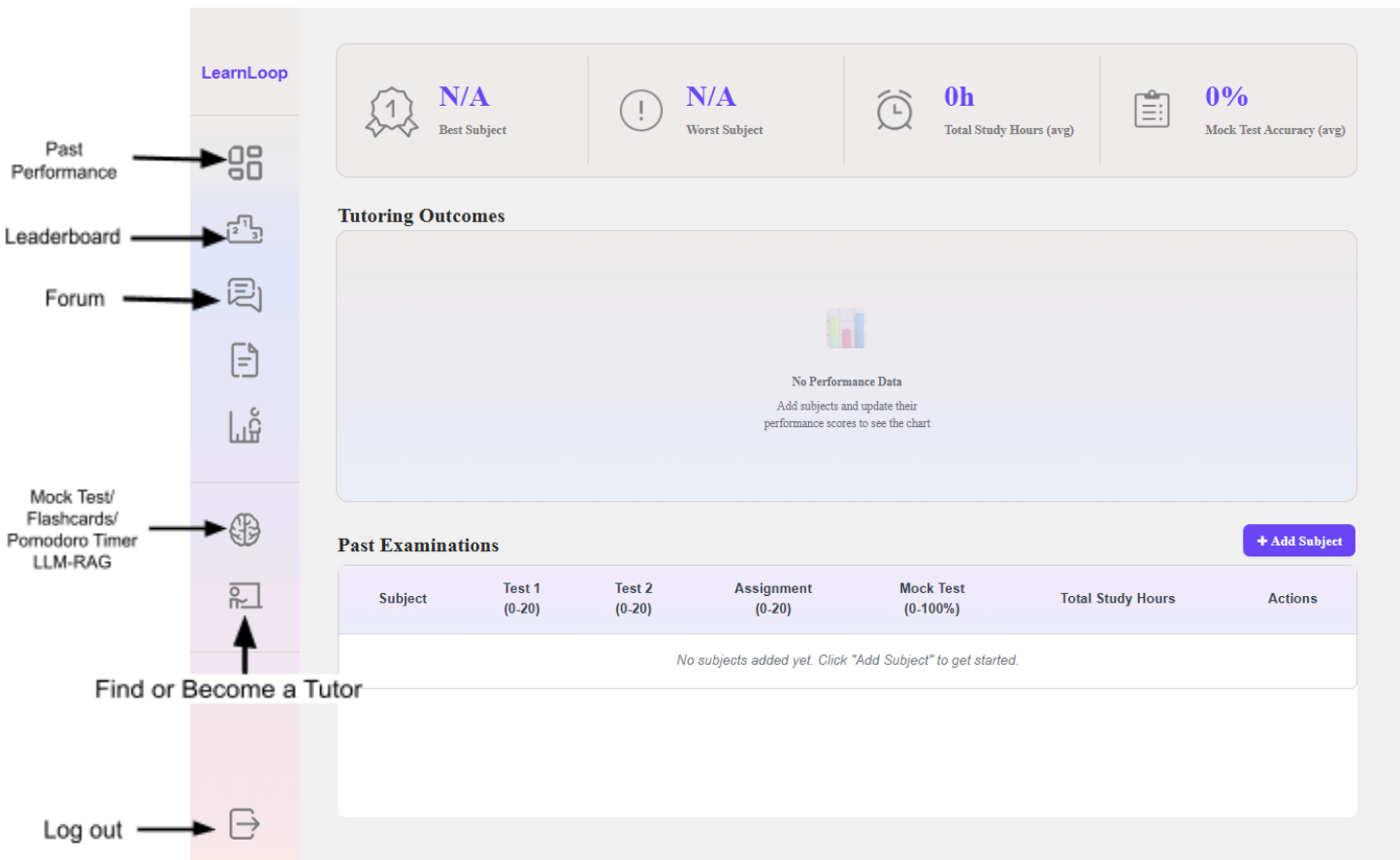
### Create Account

Already have an account?

Step 3: Reach to your sign up email for verification and log in.

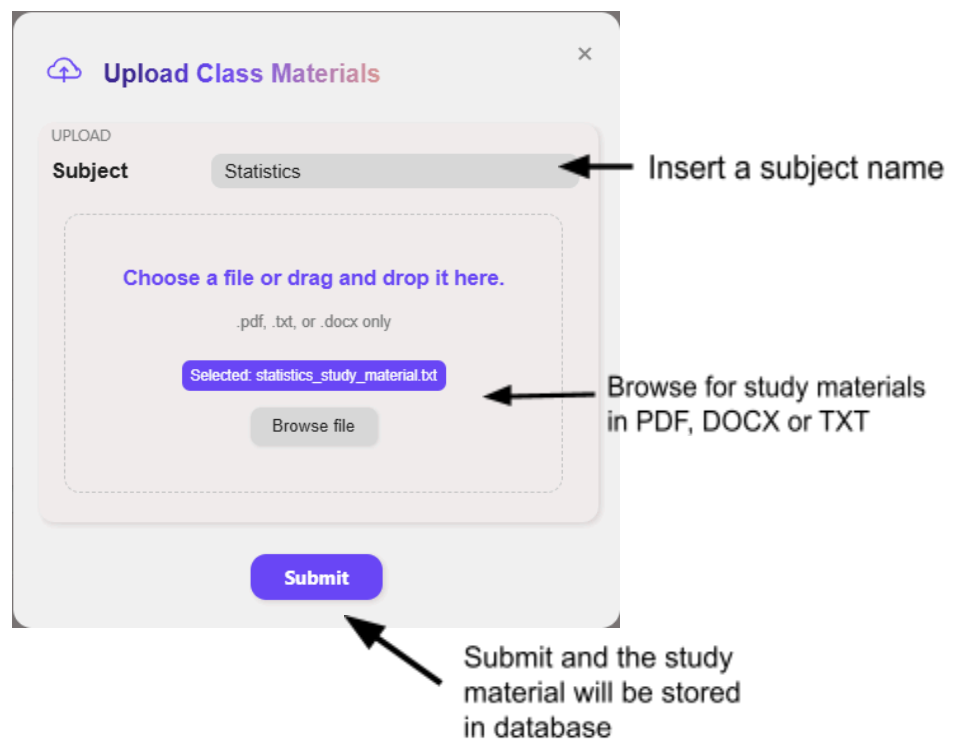


## USER INTERFACE: SIDEBAR EXPLANATION

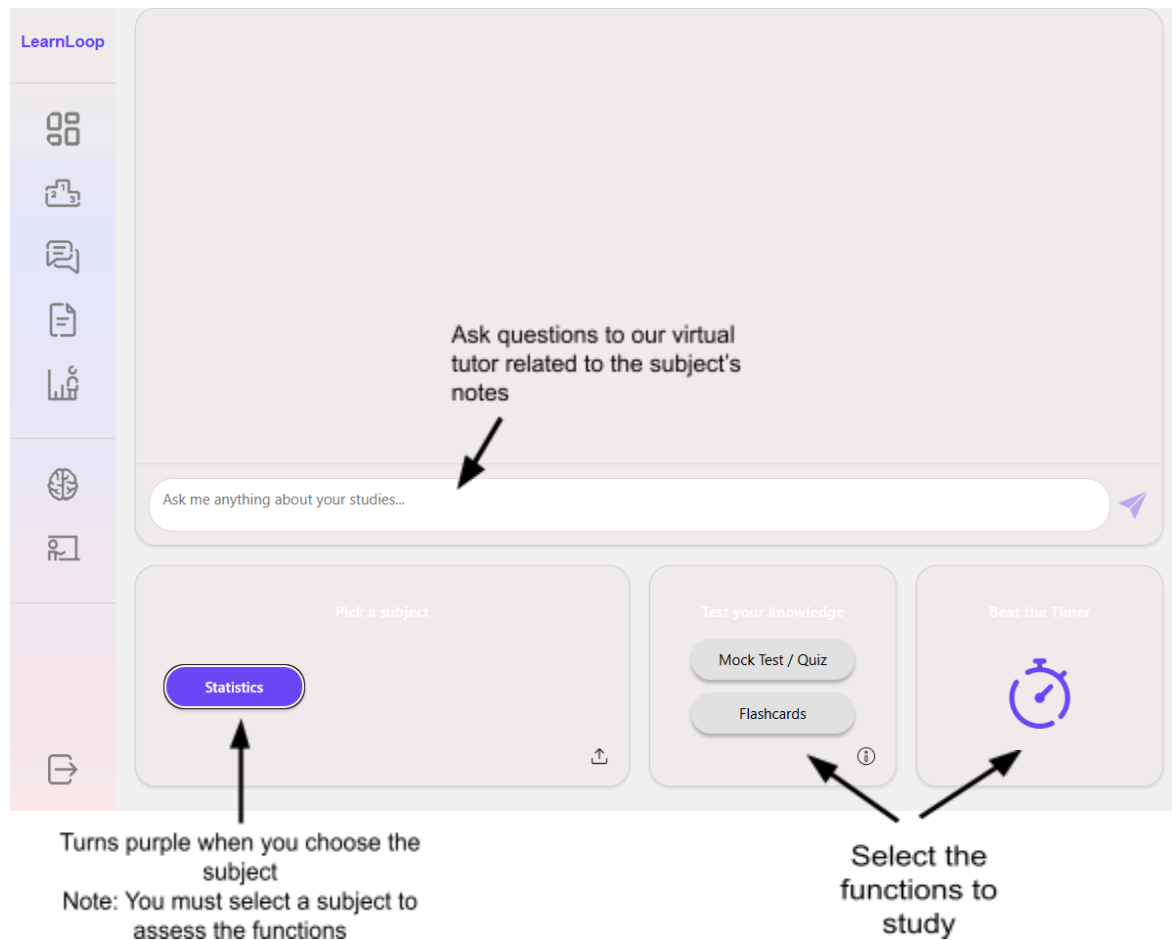


## USER INTERFACE: LLM-RAG BASED VIRTUAL STUDY

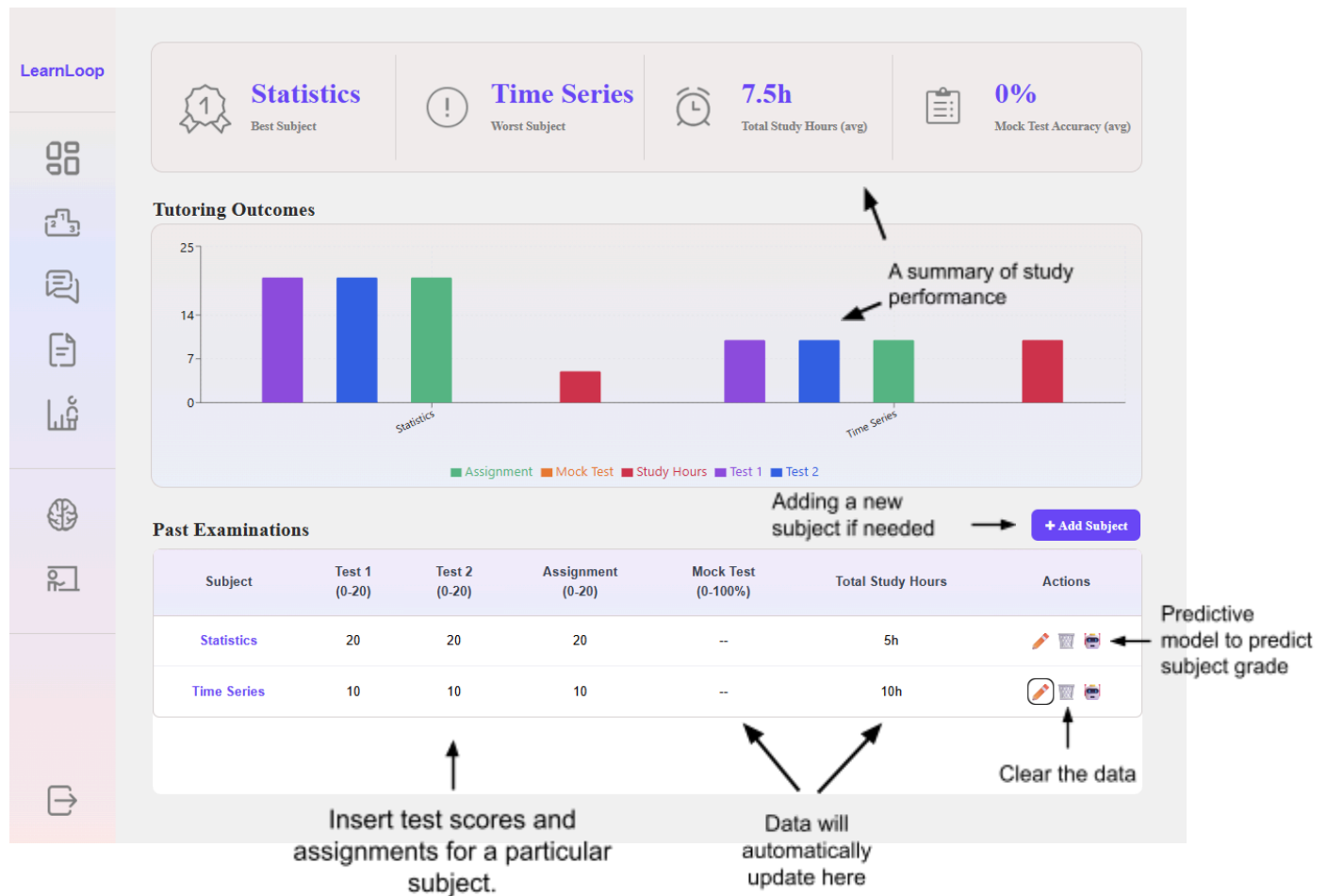
Step 1: Upload your study materials such as slides/notes in PDF/DOCX/TXT. Study materials are required as all functions here are referring to the study materials provided.



Step 2: Press the subject, and select Mock Test / Flashcards / Pomodoro Timer / Asking questions related to the subject.



## User Interface: Past Performance



### Grade Probability Prediction - Statistics

#### Current Performance:

- Test 1: 20 / 20
- Test 2: 20 / 20
- Assignment: 20 / 20
- Mock Test: Not taken
- Study Hours: 5h

#### Select Desired Grade:

A-

#### Prediction Result:

Probability of scoring A- or above: 95.2%

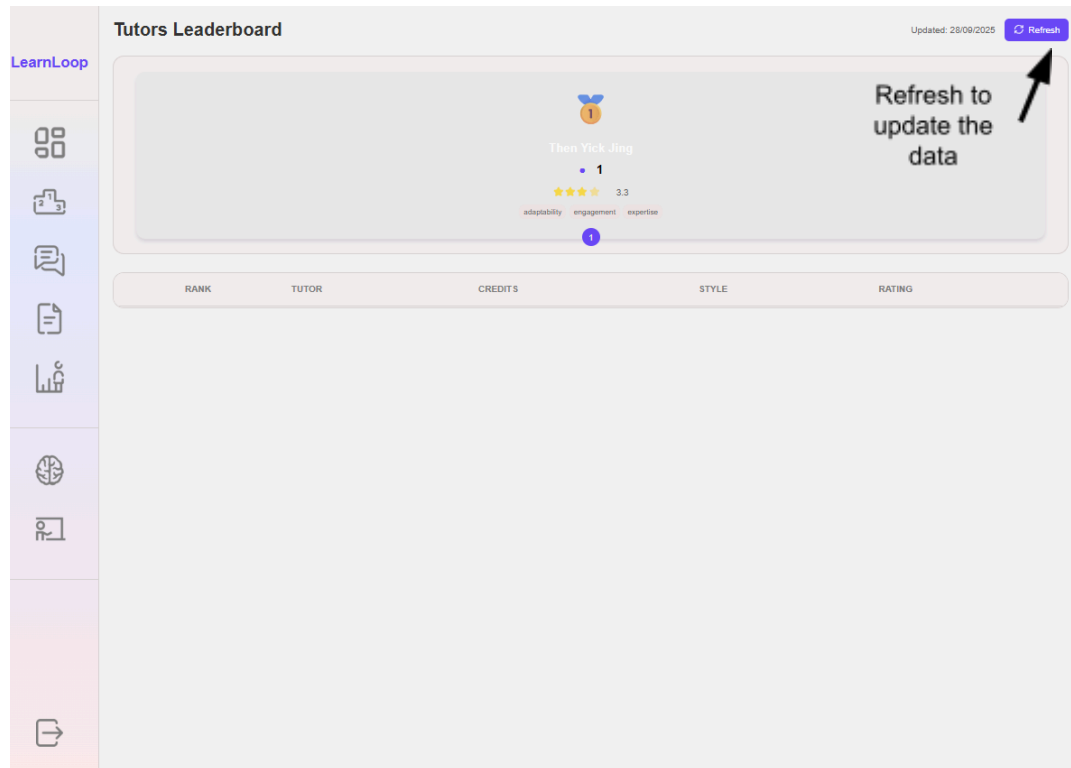
You're on the right track!

Decision Tree based model for a probability prediction

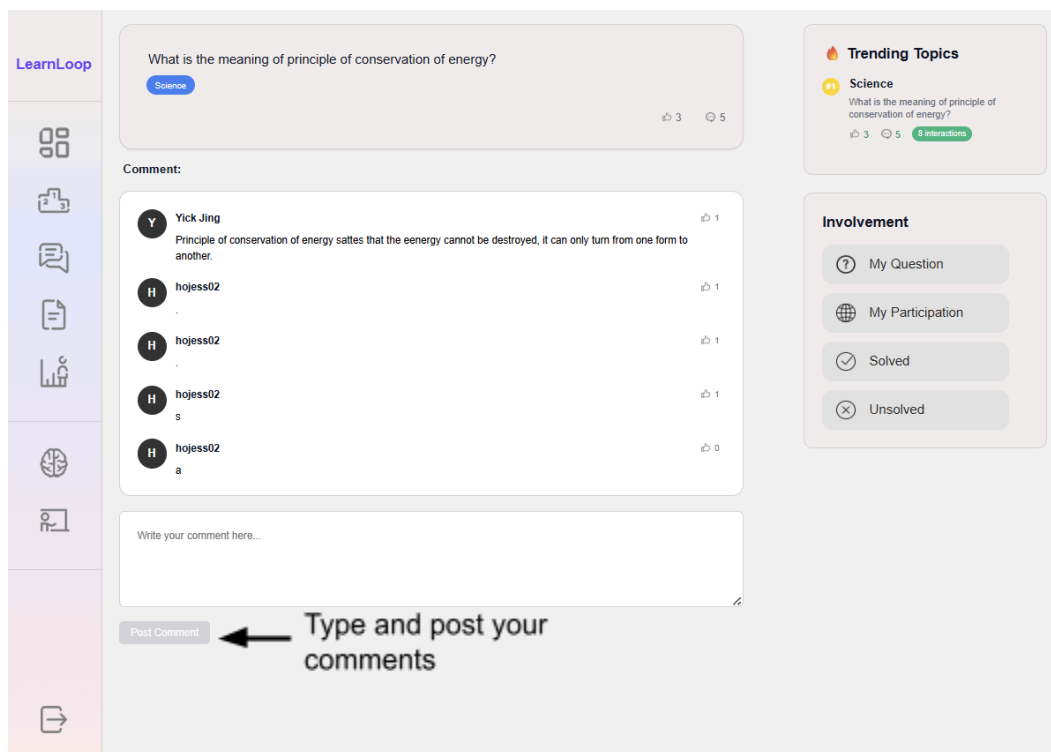
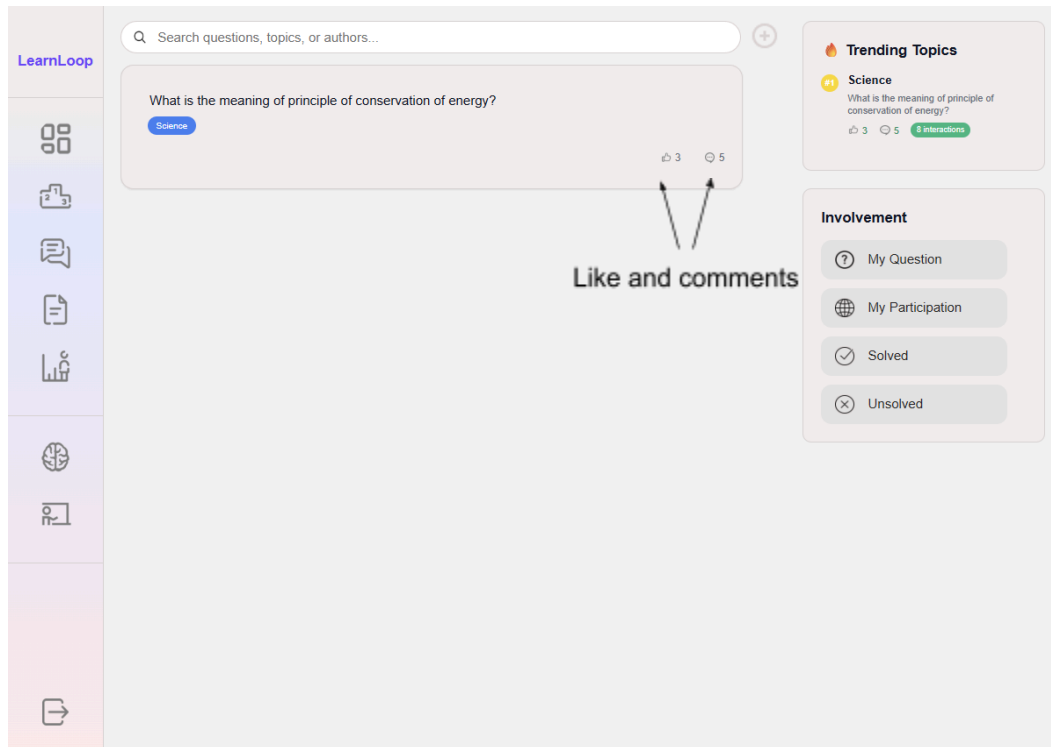
Predict Probability

Close

## USER INTERFACE: LEADERBOARD



## USER INTERFACE: FORUM





## USER INTERFACE: FIND OR BECOMING A TUTOR

The main interface is titled "LearnLoop" and features a search bar at the top with the placeholder "Search a subject...". Below the search bar are four subject buttons: Astrology, English Poetry, Science, and Statistics. A prominent heading reads "Your Perfect Tutor Match—Anytime, Anywhere". Below this, four tutor profiles are displayed, each with a profile picture, name, handle, bio, and a 5.0 star rating. The profiles are for Jessy, Jess, Chua Hui Qi, and UPM Jess. To the right of the profiles, an arrow points to the text "Displaying well-performed tutors". Below the profiles is a section titled "Feedback from students (Fill up a form)" with a plus icon and a list of student testimonials. Below this is a section titled "Trusted by Thousands: Hear from Our Alumni" with three testimonials. At the bottom of the main interface, there is a section titled "Launch Your Growing Journey Now!" with two buttons: "Learn With Tutor" and "Become A Tutor". To the left of these buttons is the text "Find suitable tutor" and to the right is "Register to be a tutor".

Search for subjects

Search a subject...

Astrology English Poetry Science Statistics

"Your Perfect Tutor Match—Anytime, Anywhere"

Jessy @jessy

"A engagement tutor with 2 years of teaching and 0 credits. Offers Online and Physical sessions for Astrology courses at RM15/hour."

★★★★★ (5.0)

Jess @jess

"A expertise tutor with 0 years of teaching and 0 credits. Offers Physical and Online sessions for English Poetry courses at RM20/hour."

★★★★★ (5.0)

Chua Hui Qi @chuahuiqi

"A structure tutor with 5 years of teaching and 0 credits. Offers Online sessions for Statistics courses at RM25/hour."

★★★★★ (5.0)

UPM Jess @upmje

"A adaptability tutor teaching and 0 credits. and Online sessions courses at RM25/hour."

★★★★★ (5.0)

Displaying well-performed tutors

Feedback from students (Fill up a form)

+

"make learning fun" Student of Jessy

"she gives very fun example" Student of Jess

"Your go-to statistics tutor!" Student of Chua Hui Qi

Launch Your Growing Journey Now!

Find suitable tutor

Learn With Tutor

Become A Tutor

Register to be a tutor

Rate Your Experience

RATING

Registered Course

Your Tutor

Rating

Comment

Submit Review

Customized Your Experience

BASIC

Name

Phone Number

Email Address

PREFERENCE

Subject

Tutoring Mode

Min Experience

Max Hourly Rate

Teaching Style

Ranking

Find Tutor

Become a Tutor

BASIC

Full Name

Phone Number

DETAILS

Subjects You Teach

Years of Experience

Hourly Rate (RM)

Teaching Mode

Submit Application

Prepared by:

Coffee Jazz & Tea Leaf

Last update: 4.10.25