



# TENTO

---

I TRY

## Proposal Presentation Report



# TENTO

I TRY

---

## COURSE:

SWE 4304  
SOFTWARE PROJECT LAB - I

## DATE OF SUBMISSION:

SEPTEMBER 9, 2022

---

## OUR TEAM:

NAFISA MALIYAT  
ID: 200042133

KAZI JAWADUL ISLAM  
JISHAN  
ID: 200042165

SHANTA MARIA  
ID: 200042172

## OUR SUPERVISOR:

Imtiqj Ahmed Chowdhury  
Lecturer, CSE

# Table of Contents

<b>04</b>	About Tendo	<b>12</b>	Demo Interface
<b>05</b>	Motivation	<b>14</b>	Technology
<b>06</b>	Benefits	<b>15</b>	Challenges & Future Goals
<b>07</b>	Key Features	<b>16</b>	Proposed Timeline
<b>11</b>	Future Features	<b>17</b>	Contact Information

# About Tonto

---

Tonto is a free-to-use educational website targeted toward O and A Level students.

The mode of evaluation will Multiple Choice Questions (MCQs) based on the Cambridge curriculum.

The Cambridge syllabus consists of a wide range of subjects but for now, only General Mathematics and Additional Mathematics of O Level will be implemented.

# MOTIVATION

---



## LACK OF SIMILAR ONLINE WEBSITES

PRIMARY MOTIVATION IS THE LACK OF SIMILAR ONLINE WEBSITES LIKE ROBI 10 MINUTES SCHOOL FOR CAMBRIDGE CURRICULUM.



## WASTAGE OF MONEY

STUDENTS HAVE TO PAY A LOT OF MONEY FOR ATTENDING MOCK EXAMS IN DIFFERENT COACHING CENTERS.



## WASTED TIME

STUDENTS SPEND MOST OF TIME TRAVELLING TO THE COACHING CENTERS FOR THE MOCK EXAMS BEFORE THE ACTUAL EXAMINATION.

# BENEFITS

---



## FREE RESOURCES

INSTEAD OF BUYING DIFFERENT SOLUTION BOOKS FOR EACH SUBJECT, STUDENTS CAN ACCESS THIS AT OUR WEBSITE IN ONE PLACE.

---

## PRACTICE MATERIALS AND EXAMS AVAILABLE

THERE WILL BE NO NEED TO PAY FOR MOCK EXAMS AS THERE WILL BE FREE EXAMS, PRACTICE MATERIALS AND THEIR SOLUTIONS AVAILABLE IN TENTO.



## TIME SAVED

STUDENTS CAN GET ALL OF THESE BENEFITS IN THEIR OWN HOME, SAVING THEM PRECIOUS TIME THAT CAN BE INVESTED IN MORE PRACTICE.

# KEY FEATURES

## 01 USER PROFILE

On the homepage, users can sign up or log in.

On signing up, the users can choose their class (O/A Level). Currently, O Level will be functional.

## 02 CHOOSING SUBJECTS

According to their level, students can choose from a list of subjects, consisting of General and Additional Mathematics , with more subjects to be added later.

## 03 SELECTING TOPICS

After selecting a particular subject, students can select the topics from a drop-down menu, which will include 3 topics per subject for now.

# KEY FEATURES

## 04 USER HISTORY

Users can view their history which displays the dates and scores of all the exams and practice sessions they attempted.

## 05 EXAM/PRACTICE MODE

There will two modes available to the student: Practice Mode and Exam Mode.

Exam Mode will be timed but Practice Mode will not have a time limit.

## 06 TIMER

The Exam Mode will display a timer on the top corner of the screen that will show the countdown of the time remaining for that exam.

Once the timer goes out, the answers will automatically be submitted.



# KEY FEATURES

## 07 HINT

In Practice Mode, there will be a hint button in each questions to assist students if they are struggling to answer a question.

## 08 ANSWERING QUESTIONS

For both modes, the question will be displayed in the top part of the page. Radio buttons with options below can be selected by students to choose their answer.

## 09 QUESTION BANK

The large volume of questions in the database will ensure the minimum number of repetitions so the tests under a topic are as different as possible for the student each time.

# KEY FEATURES

## 10 NEXT/PREVIOUS BUTTONS

There will be buttons at the bottom to move to the next questions or go back to any previous question so students can answer the questions in any order.

## 11 VIEWING SCORE

After a practice session or exam is over, the score will be shown along with a randomly generated motivational quote.

## 12 DETAILED SOLUTION

Along with viewing score, there will be a button for students to view detailed solution of the questions they attempted.

# FUTURE FEATURES

## 13 SCOREBOARD

There will be a public scoreboard that will display the ranks of students who have scored the top marks so any student can assess their preparation.

## 14 LIGHT/DARK MODE

Users can choose light or dark mode in the website according to their personal preferences.

# DEMO INTERFACE

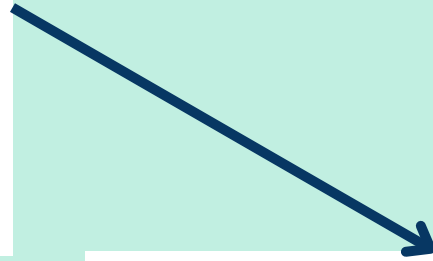
Tento

Choose your class

O level

AS level

A2 level

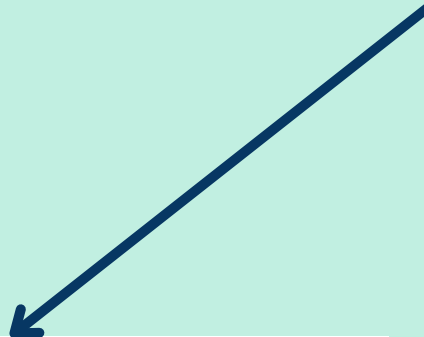


Tento

Choose your subject

Mathematics D

Additional Mathematics



Tento

Choose topic

Drop down text box

Confirm

Mensuration  
Vectors  
Matrices  
Numbers  
Algebra

# DEMO INTERFACE

Tento

Choose mode of evaluation

Practice

Exam

1

$$y = 5^x + 1$$

Find  $y$  when  $x = -2$ .

- ☐ 110
- ☐ 1.10
- ☐ 1.25
- ☐ 125

Timer here  
in Exam  
mode

Hint button in Practice Mode

Buttons to move to  
next/previous question

Tento

Failure is success if we learn from it  
- Malcom Forbes

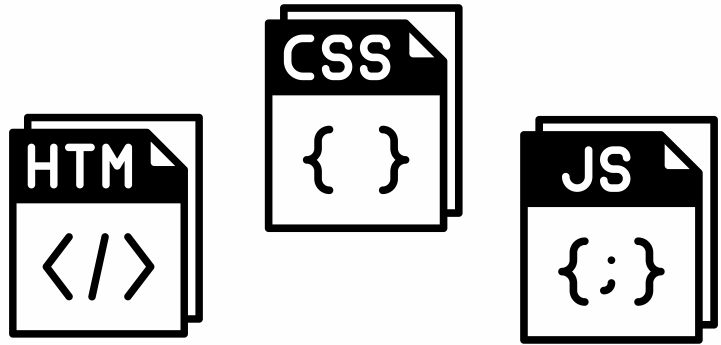
You scored  
14/20

Button to view  
detailed solution

# Technology

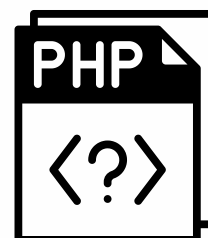
---

Front-End  
Development



Database  
Management

Back-End  
Development



# CHALLENGES

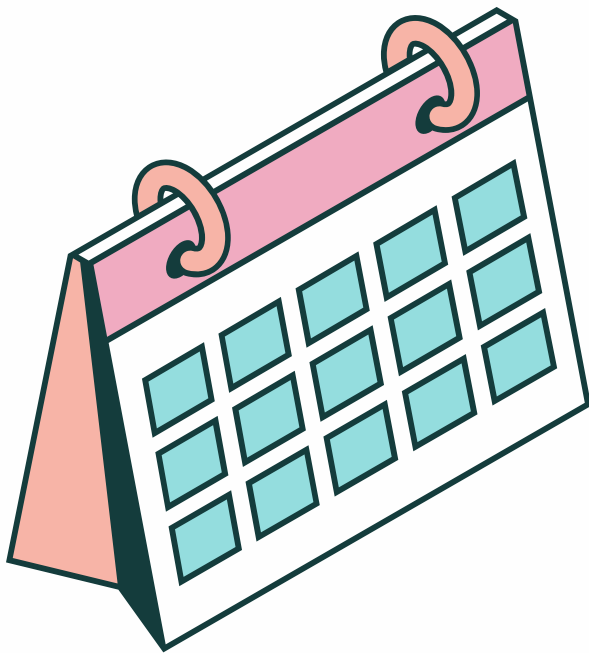
- **HARD TO IMPLEMENT:** It might be difficult to implement all the features mentioned with the time and resources available.
- **TIGHT DEADLINE:** Finishing the project within the proposed timeline will be a bit tough.
- **WORKING WITH NEW TECHNOLOGY:** Learning new technology and implementing them will be a new experience for us since this is the first project.
- **TEAMWORK:** Working as a team smoothly to deliver the project properly will be a challenge for us.

# FUTURE GOALS

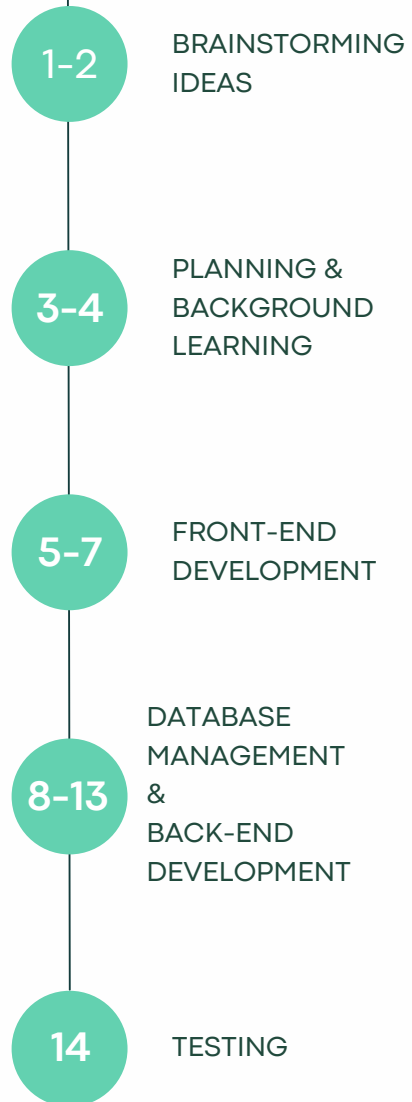
- **ADDITION:** More subjects will be added later on to benefit a larger number of students.
- **ADVANCEMENT:** There are plans to add an option for evaluating written answers from students
- **UPDATE:** Topics in website will be updated as the syllabus is updated.
- **EXPANSION:** More curriculum can be added later on to broaden the scope of the website.

# Proposed Timeline

---



## WEEK





**FOR INQUIRIES,  
CONTACT US.**



Email:

nafisamaliyat@iut-dhaka.edu  
shantamaria@iut-dhaka.edu  
jawadulislam2@iut-dhaka.edu

**SIGNATURE  
OF SUPERVISOR**

A handwritten signature in black ink, followed by the date "08/09/22" written in a similar style.

Imtiaz Ahmed Chowdhury  
Lecturer, CSE