

Handover document

Group A

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Introduction

Learning buddy is a learn by playing program for children. Children can choose the subject and learn from the material in the software and then answer the questions of different difficulty levels.

Implementation

1. Database of learning material for two subjects and the questions for beginner and advance difficulty.
2. Only that subject data and questions are shown which is initially selected.
3. Score is shown after each answered question.
4. Number of attempts is also implemented with two lives.

Currently no ambiguity, incompleteness and imprecision are observed in the implemented features.

System Architecture

Step 1: Start of learning buddy

```
Text written by ChatGPT
press 's' to Start or 'q' to quit
```

Step 2: Instructions are displayed if the player selects to start the quiz.

```
Instructions:
Hi learner! I'll guide you through how this marvelous app works.
Here's a step-by-step breakdown:

1. Choose your topic of interest.
2. Decide if you want a brief overview
   of the topic or jump straight into the questions.
3. In which level of difficulty will you like to play?
4. Play and have fun, but keep in mind that
   you have a limited number of lives. Each
   mistake costs you a life.
5. So, there are two outcomes: either you
   finish all the questions without losing all
   your lives and see your gaming results, or
   you fail and have to start over from step 1.

So player enter in which category
would you like to play ?

0. Quit
1. General Information
2. Chemistry
3. History
```

Step 3: Selecting the subject.

```
2
Chemistry
Would you like to read a little
bit of this topic before the questions?

(Y) Yes   (N) No   (Q) quit
```

Step 4: Study material

```
y
Chemistry is the science that explores the
properties and behaviors of different substances
around us. At its core are tiny particles called atoms,
which are like the building blocks of all matter.
These atoms can join together to form molecules,
which are the smallest units of compounds
like water and sugar. Elements are special kinds
of atoms, each with its own unique set of properties.
For example, oxygen is a gas we breathe, while
iron is a solid metal used in making many things.
Understanding Chemistry helps us make sense of
everyday phenomena, like why ice melts
in the sun or why some foods taste sour.
By learning Chemistry, we unlock the secrets
of the world around us
```

```
**this text and the next questions were
made with the help of chatGPT**
```

```
What level of difficulty would
you like to face?
```

```
(1) Beginner (2) Advance (Q) Quit
```

Step 5: Question with a wrong answer

```
1
Beginner level
1. What are elements?
a) Substances made up of only one type of molecule
b) Tiny particles that make up matter
c) Special kinds of atoms with unique properties
d) Liquids found in nature
```

```
b
Wrong Answer :( you lost a life, now 1 Left
```

Step 6: Question with a correct answer

```
2. What do atoms join together to form?
a) Cells
b) Molecules
c) Planets
d) Stars
```

```
b
Congrats you got correct answer :)
Your score is: 1/3
```

Step 7: Quitting learning buddy

```
0. Quit
1. General Information
2. Chemistry
3. History

0
Thank you for trying Buddy Program!
```

Working of code

