

WHO WANTS TO BE A MILLIONAIRE

CME1251 Project Based Learning - II

BY

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Outline

INTRODUCTION

PROGRESS SUMMARY

- Requirements
- Task Sharing
- Scheduling
- Completed Tasks
- Incomplete Tasks: Reasons, Explanations
- Additional Improvements

PROBLEMS ENCOUNTERED

ALGORITHMS AND SOLUTION STRATEGIES

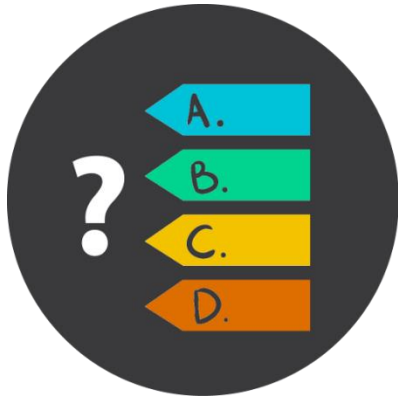
SCREENSHOTS

CONCLUSION

REFERENCES

WHO WANTS TO
BE A MILLIONAIRE

REQUIREMENTS



COMPETITION
ALGORITHM



SPELLCHECK
ALGORITHM



MENU
ALGORITHM

TASK SHARING



We all worked together on the project.



We developed the necessary arguments together.



We made the slide and the video together.

TASK SHARING

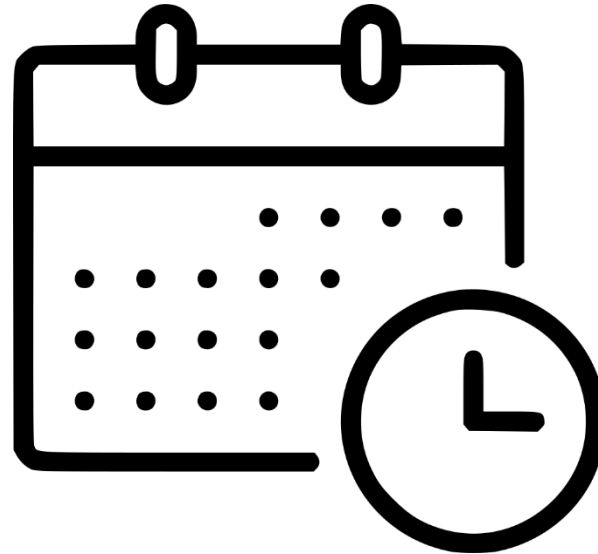
- Sümeyye Başkan: Menu, statistics, displaying the word cloud

- Bahadır Cimbil: Displaying difficulty screen and game screen

- Yusuf Gassaloğlu: Spell Check and Word Cloud programs , Question and Participant classes, Count Down Algorithm, Competition Program

- Beren Şenbay: Reading data from text files and Date, Question, Participant, Address, Statistics classes

SCHEDULING



We finished the project and in the time.

TASK STATUS



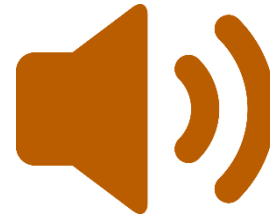
We completed all tasks and made some additional improvements.

ADDITIONAL IMPROVEMENTS

**SURPRISE
CATEGORY**



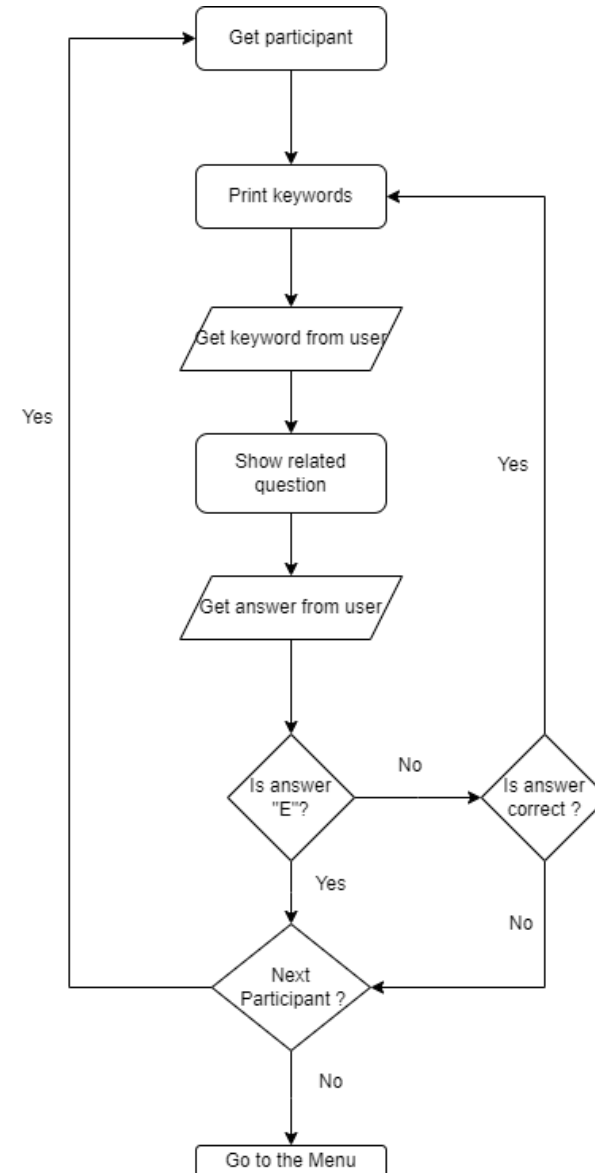
SFX



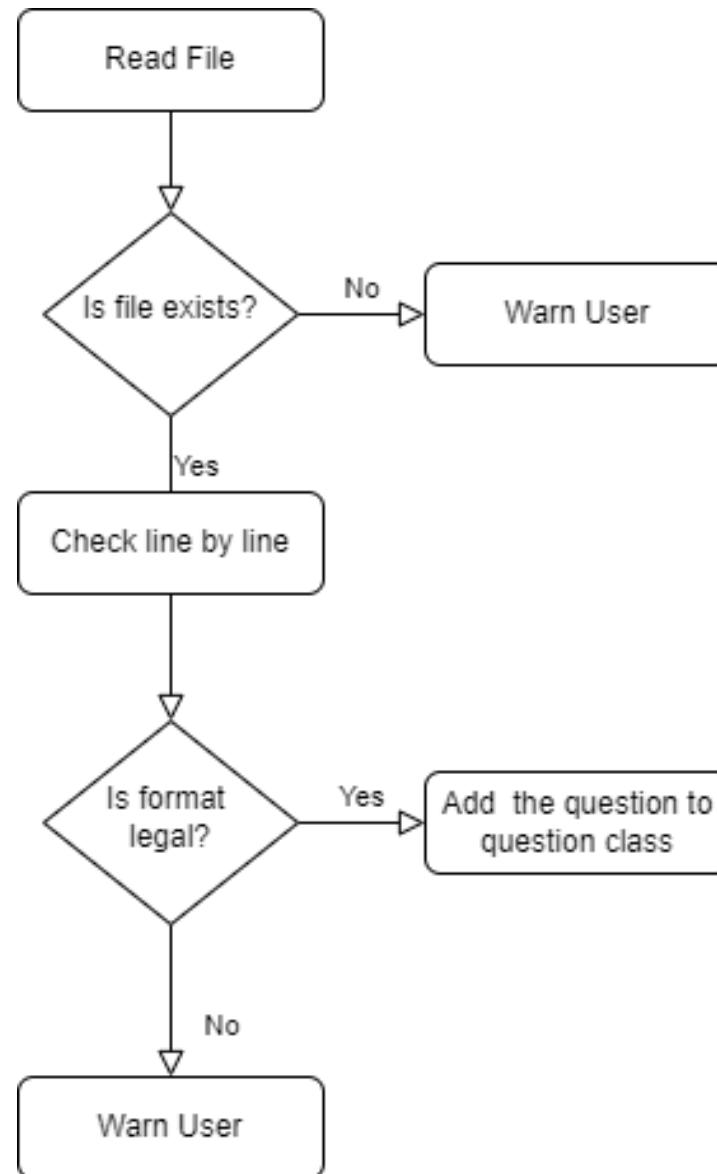


ALGORITHMS AND SOLUTION STRATEGIES

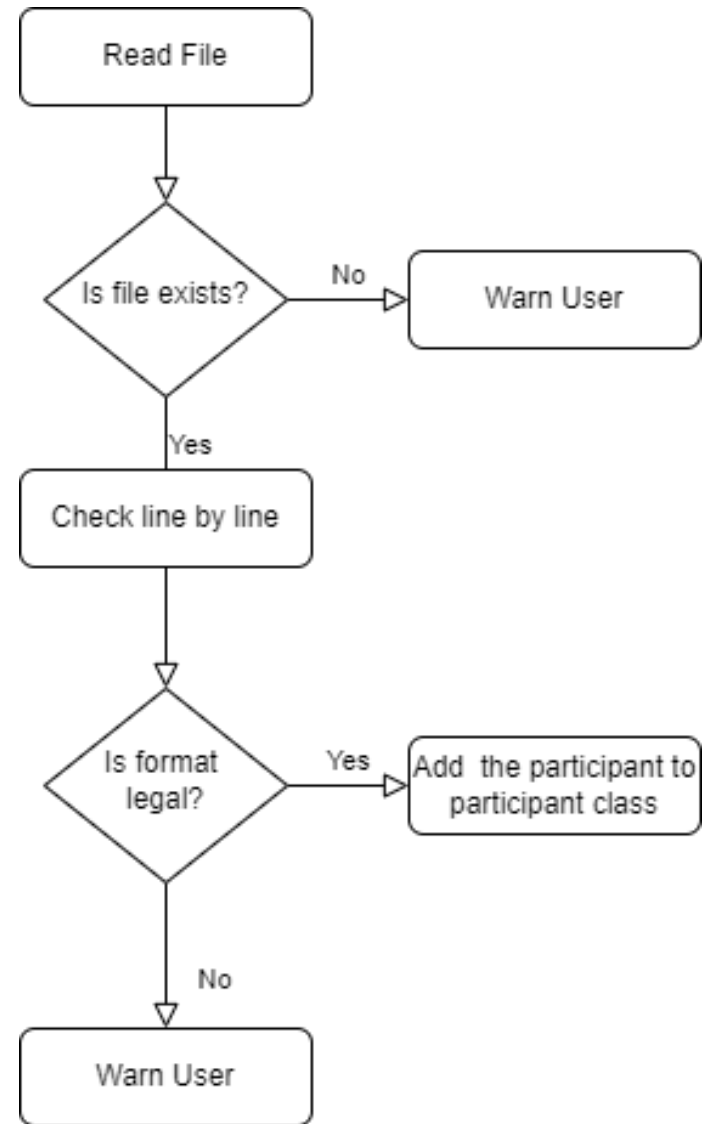
COMPETITION ALGORITHM



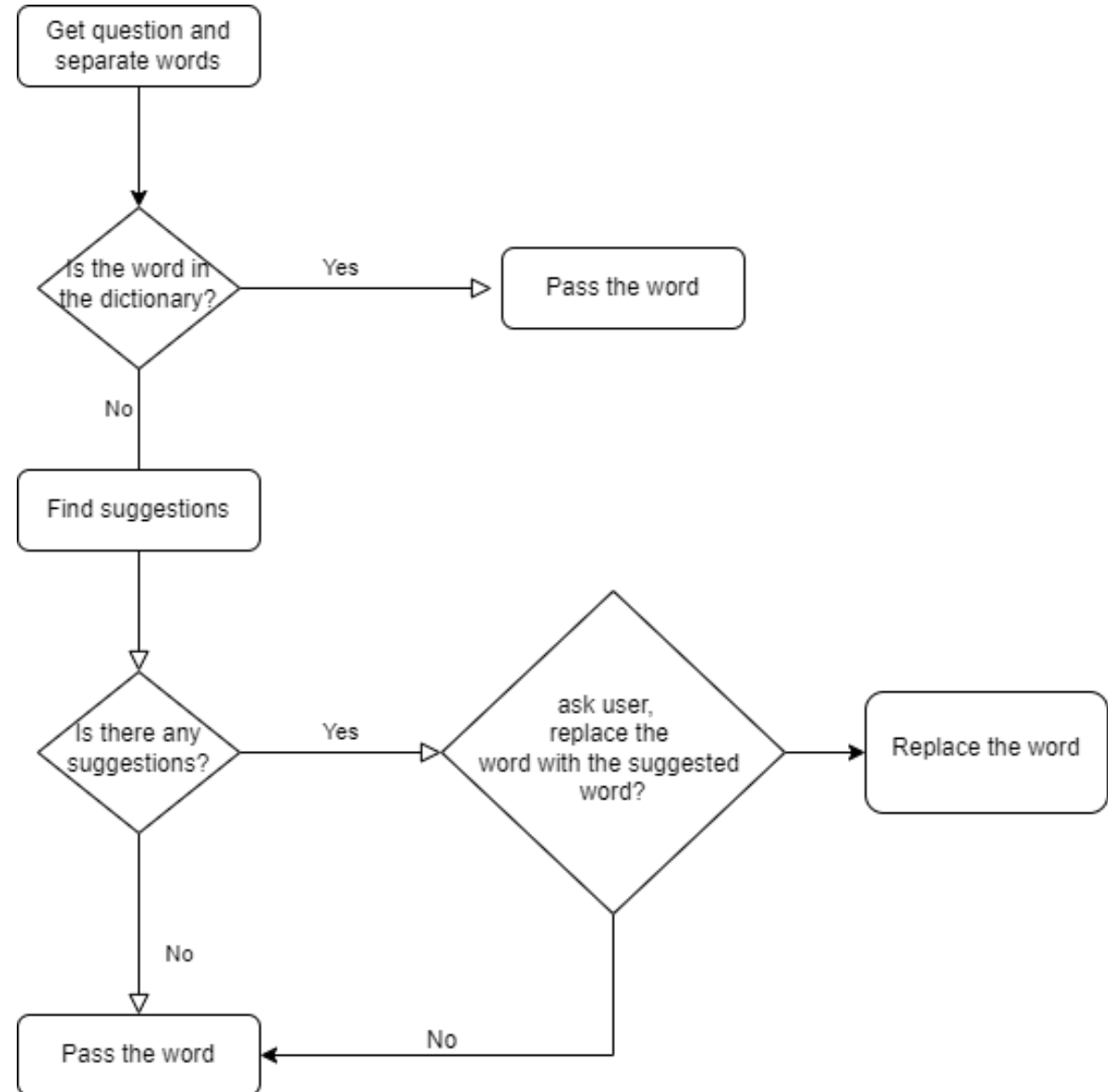
QUESTION ALGORITHM



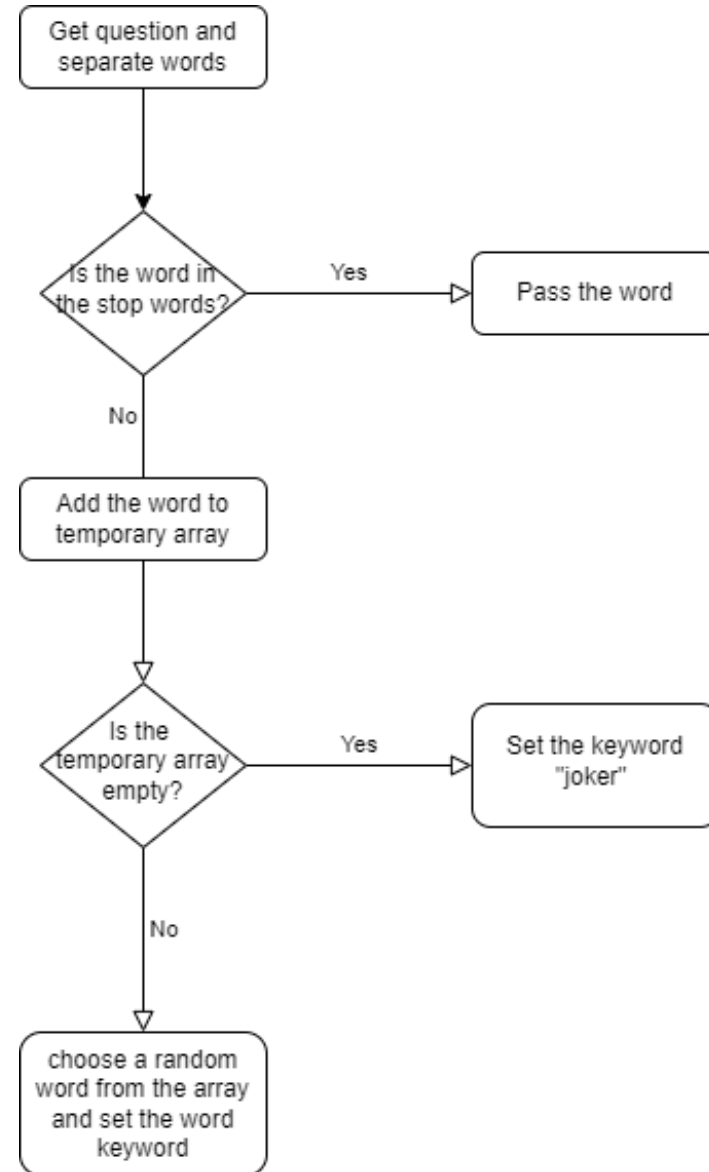
PARTICIPANT ALGORITHM



SPELL CHECK ALGORITHM



WORD CLOUD ALGORITHM

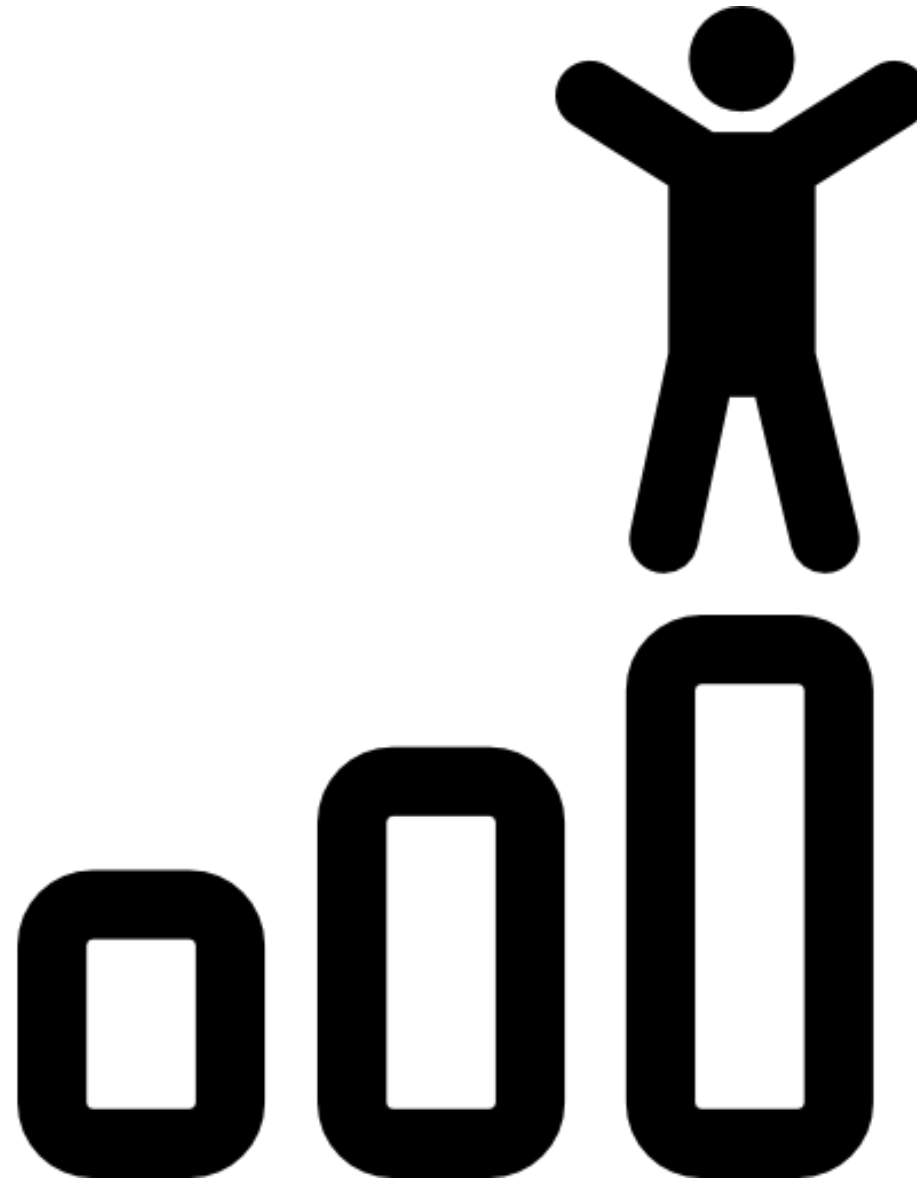


STATISTICS ALGORITHM

```
The most successfull contestant: Ahmet GUR  
The category with the most correctly answered: English  
The category with the most badly answered: Mathematics  
Age<=30 5.0/5      30<Age<=50 2.0/5      Age>50 1.0/5  
The city with the highest number of participants: Izmir
```

STATISTICS
ALGORITHM

The Most
Successfull
Contestant



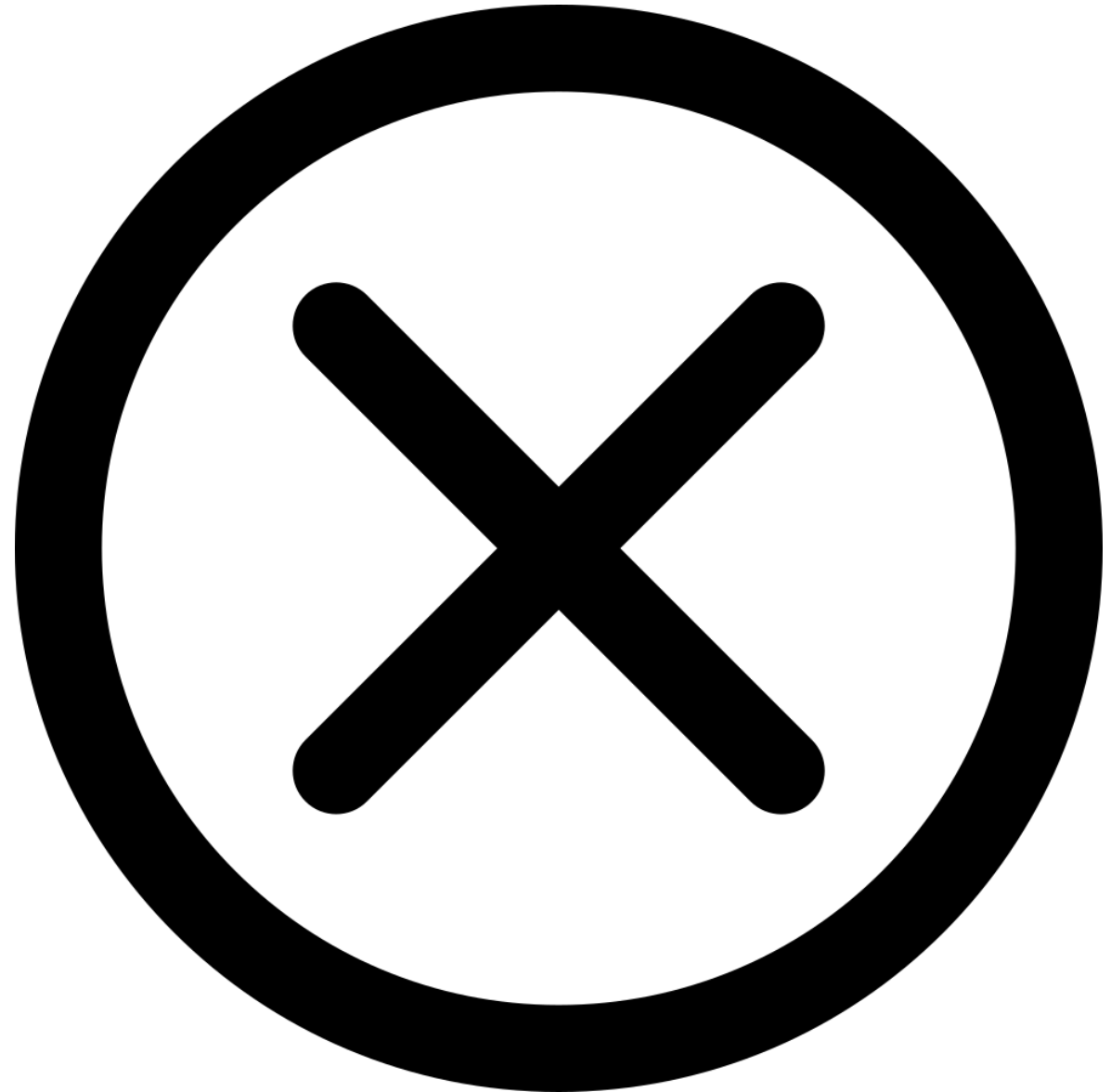
STATISTICS ALGORITHM

The Category
With The Most
Correctly
Answered



STATISTICS ALGORITHM

The Category
With The Most
Badly Answered



STATISTICS ALGORITHM

Age Group



STATISTICS ALGORITHM

The City with
The Highest
Number of
Participants



MENU ALGORITHM



SCREENSHOTS

| WELCOME |

```

*      MENU      *
1- Load Questions
2- Load Participants
3- Start Competition
4- Show Statistics
5- Exit
Please enter Your Choice: 1
Please enter the questions filename: questions_2
The format of question is wrong -> English#'None' is a Python type __ value indicates that no value exists.#whom#which#whose#that#C##2#
The format of question is wrong -> Computer#Which of the following structures is different from the others?#repeat-until#do-while##case#for#C#3#
The format of question is wrong -> Computer#Which of the following is not a file type used to store image-style data?#bap#png#avi#jpg#gif#C#1#
The format of question is wrong -> Mathematics#What is the result of 1 million * 1 million#10 billion#100 billion#1 trillion#10 trillion#C#3#
The format of question is wrong -> History#Which government building was stormed by revolutionary citizens on July 14th 1789?The Tuileries#The Palace of Versailles#The Champ de Mars#The Bastille#D#4#

Firewall in computer __ for security.
computer --> computer
Do you want to replace the word with the suggested word? (1-YES 2-NO 3-EXIT 4-SKIP WORD): 1
Firewall in computer __ for security.
-----
What is another word for applitacions in computer engineering?
applitacions --> applications
Do you want to replace the word with the suggested word? (1-YES 2-NO 3-EXIT 4-SKIP WORD): 1
What is another word for applications in computer engineering?
-----
Google, Bing, Yahoo! and Baidu are the four popular
Google --> google
Do you want to replace the word with the suggested word? (1-YES 2-NO 3-EXIT 4-SKIP WORD): 4
Google, Bing, Yahoo! and Baidu are the four popular
-----
Google, Bing, Yahoo! and Baidu are the four popular
Baidu --> maidu
Do you want to replace the word with the suggested word? (1-YES 2-NO 3-EXIT 4-SKIP WORD): 4
Google, Bing, Yahoo! and Baidu are the four popular
-----
The eigen values of a skew-symmetric matrix are
eigen --> eigne
Do you want to replace the word with the suggested word? (1-YES 2-NO 3-EXIT 4-SKIP WORD): 3
The eigen values of a skew-symmetric matrix are
-----

CATEGORY          THE NUMBER OF QUESTIONS
English            50
Computer           56
Mathematics        20
Mathematics        1
History            27
Physics            8
Literature         2
Biology            1
Astronomy          1
Music              4
Turkish            1

DIFFICULTY LEVEL   THE NUMBER OF QUESTIONS
1                  32
2                  37
3                  35
4                  32
5                  35

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Contestant :Mehmet TARAK

```
-----  
Firewall      hardware      Clipboard      size  
matrix        word          dictionaries    website  
called        politician    unit          statements  
logo          perform       created       triangle  
number        sinus          death         Ziggurat  
War           Turkey        discover      Distance  
component     commissioned  memory        called  
Japan         number        Fibonacci     dictionary
```

Please enter a keyword: firewall

Q1) Firewall in computer ____ for security.

A) are used

B) is used

C) uses

D) use

Enter your choice (E for exit):

F : 50%

G : DOUBLE DIP

Remaining Time: 13

\$ 0

B

CORRECT ANSWER

Question 1 - \$20,000 tier-one

Question 2 - \$100,000

Question 3 - \$250,000 tier-two

Question 4 - \$500,000

Question 5 - \$1,000,000 tier-three

Q3) Children under 16 ____ half the population of the city?

A) make up

B) put up

C) take up

D) bring up

Enter your choice (E for exit):

F : 50%

G : DOUBLE DIP

Remaining Time: 14

\$ 100000

C

WRONG ANSWER

The correct answer is A

Canan KAYA You won \$\$ 100.000

Question 1 - \$20,000 tier-one

Question 2 - \$100,000

Question 3 - \$250,000 tier-two

Question 4 - \$500,000

Question 5 - \$1,000,000 tier-three

Q1) There are ____ on the word Web.

A) a few pages

B) hundreds of pages

C) thousands of pages

D) billions of pages

Enter your choice (E for exit):

F : 50%

G : DOUBLE DIP

Time is Over!

\$ 0

Time Is Up

The correct answer is D

Mehmet TARAK You won \$ 0

Next Contestant Y/N?

Question 1 - \$20,000 tier-one

Question 2 - \$100,000

Question 3 - \$250,000 tier-two

Question 4 - \$500,000

Question 5 - \$1,000,000 tier-three

Q3) There are ____ on the Web.

- A) a few pages
- B) hundreds of pages
- C) thousands of pages
- D) billions of pages

Enter your choice (E for exit):

Remaining Time: 15

\$ 100000

E

Mehmet TARAK You won \$100000

Next Contestant Y/N?

Question 1 -	\$20,000	tier-one
Question 2 -	\$100,000	

Question 3 -	\$250,000	tier-two
Question 4 -	\$500,000	

Question 5 -	\$1,000,000	tier-three

Q5) One of the applications of Information Technology is ____

- A) Health issue
- B) Health problem
- C) Health care
- D) Health smart

Enter your choice (E for exit):

F : 50%

G : DOUBLE DIP

Remaining Time: 19

\$ 500000

C

CORRECT ANSWER

Ding, ding, ding, we have a winner!

Ahmet GUR You won \$\$\$ 1.000.000

Next Contestant Y/N?

|

Question 1 - \$20,000 tier-one

Question 2 - \$100,000

Question 3 - \$250,000 tier-two

Question 4 - \$500,000

Question 5 - \$1,000,000 tier-three

Q2) Google, Bing, Yahoo! and Baidu are the four popular

A) -

B) search engines

C) -

D) webquest

Enter your choice (E for exit):

G : DOUBLE DIP

Remaining Time: 10

\$ 20000

```
-----  
Question 1 -    $20,000    tier-one  
Question 2 -    $100,000  
-----  
Question 3 -    $250,000    tier-two  
Question 4 -    $500,000  
-----  
Question 5 -   $1,000,000    tier-three  
-----
```

Q1) There are ____ on the word Web.

A) -

B) -

C) -

D) billions of pages

Enter your choice (E for exit):

Remaining Time: 15

\$ 0

Question 1 - \$20,000 tier-one

Question 2 - \$100,000

Question 3 - \$250,000 tier-two

Question 4 - \$500,000

Question 5 - \$1,000,000 tier-three

* MENU *

- 1- Load Questions
- 2- Load Participants
- 3- Start Competition
- 4- Show Statistics
- 5- Exit

Please enter Your Choice: 4

The most successfull contestant: Ahmet GUR

The category with the most correctly answered: English

The category with the most badly answered: Mathematics

Age<=30 5.0/5 30<Age<=50 2.0/5 Age>50 1.0/5

The city with the highest number of participants: Izmir

THANKS FOR WATCHING

REFERENCES

- <https://stackoverflow.com/questions/18672643/how-to-print-a-table-of-information-in-java>
- <https://stackoverflow.com/questions/26305/how-can-i-play-sound-in-java>
- <https://www.tabnine.com/code/java/methods/java.lang.System/nanoTime>
- <https://www.geeksforgeeks.org/java-system-nanotime-vs-system-currenttimemillis/>
- <https://www.draw.io>