



HOW KNOWLEDGABLE ARE YOU ?

Unlock the power of your mind and
conquer the realm of knowledge

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AGENDA

- What is HKAY ?
- Similar Projects
- Difference from similar projects
- Features
- Software Architecture
- Bulk Data Insertion
- File Size Reduction
- Bug Testing
- Screenshots
- Future Works
- Conclusion



WHAT IS HKAY ?

How knowledgeable are you is a mobile game application. In this game application, you can measure your own knowledge, play for fun in your spare time, play to learn new information. In the game, you are asked questions on the topic you choose and your score increases in line with the questions you know. You can use different one-right jokers for questions you do not know or have guesses. The game is an application that is very easy-to-use and provides competition , knowledge and entertainment to the all ages of user.

The project designed using Unity , C# , Php and MySQL



SIMILAR PROJECTS



DIFFERENCES FROM SIMILAR PROJECTS



Scoring System

Each question has a different score. Difficult questions have higher scores, while simple questions have lower scores. However, in the wrong questions, easy questions take more points while difficult questions take less points.



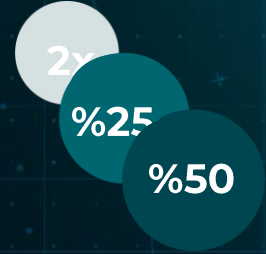
User Generated Questions

One unique feature of HKAY is the ability for players to add their own questions to the game. Unlike other knowledge games that solely rely on predetermined question banks, HKAY allows players to contribute and expand the question pool.



Competition (Continuous Score Increment)

Unlike other games where each game is scored independently, HKAY allows players to increase their score continuously. This means that the more games a player plays and performs well in, the higher their overall score will be.



Joker Rewards

HKAY rewards players with jokers based on their knowledge and performance in the game. As players answer questions correctly and demonstrate their knowledge, they earn jokers. (Randomly 1 joker every 10 correct answer)

FEATURES



Select Nickname

Enter Your Nickname ✓

Warning Text

Continue

Duration



Leaderboard

Yigitplyale 605	1
Derman 237	2
Denemelast 111	3
Caglayan 92	4
nilufer 75	5

Adding Question

Give Me A Question

Enter Question without "?"

Enter Answer 1

Enter Answer 2

Enter Answer 3

Enter Answer 4

Submit Time

Using Jokers



Answer Questions

Twister

Candy Land

Jenga

Operation

Stop , Restart , Continue , Quit Game



Info Menu

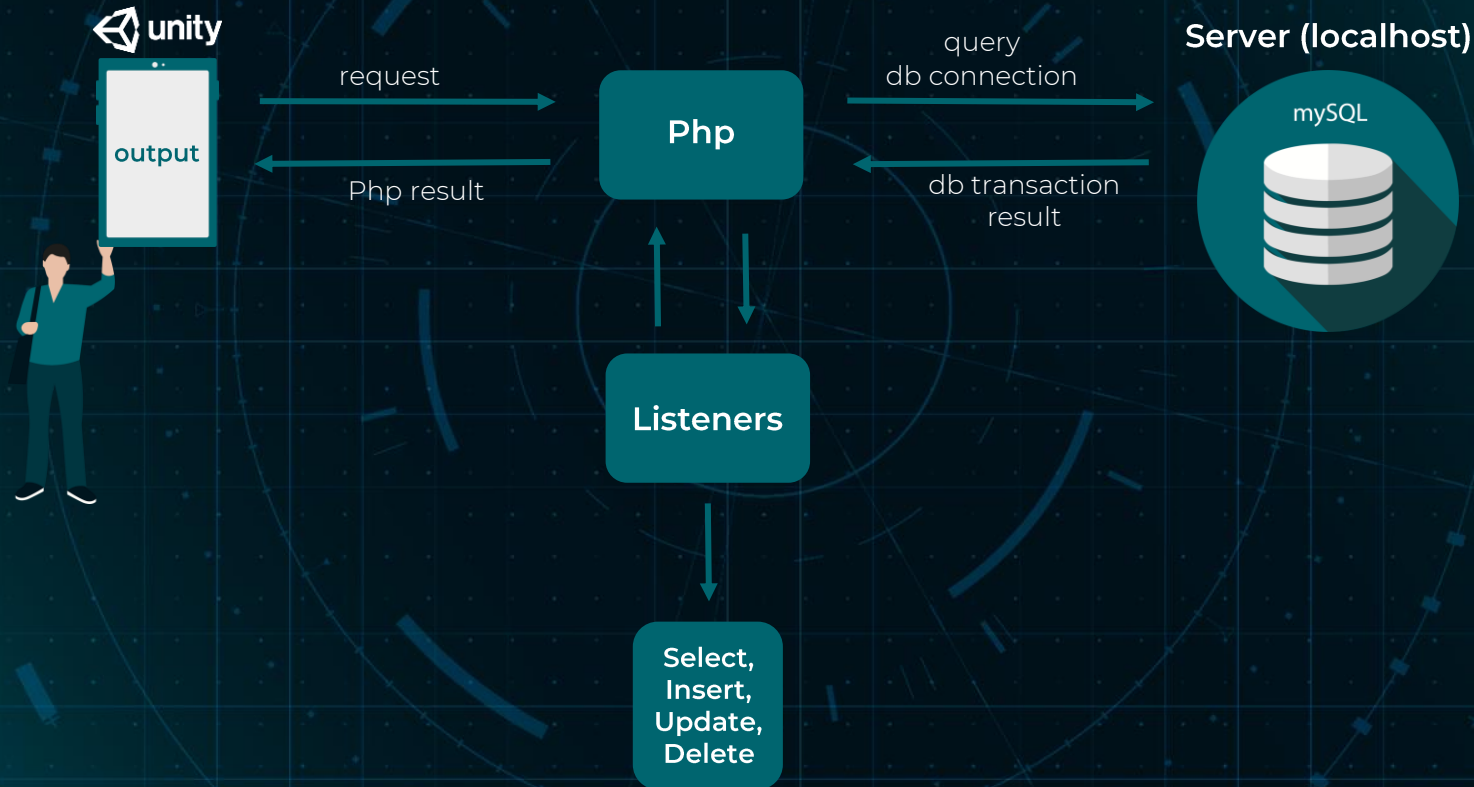
How To Play ?

This game is really easy to play , answer the questions correctly and strive for the highest score !

Don't you know the answer of the question ?
Check out your jokers ;

2X : Provides mark two answers
%50 : Eliminates two wrong answers
%25 : Eliminates one wrong answer
Correct Answer : Show you the correct answer
Pas : Allows you to pass the question (does not affect your score)

SOFTWARE ARCHITECTURE



BULK QUESTION INSERTION

1. First, the csv file is set in accordance with the database. (Question , answerA , answerB , AnswerC , AnswerD , correctAnswer , seconds)
2. The database opens using phpMyAdmin (XAMPP).
3. By using 'LOAD DATA INFILE' statement , CSV file import into a MySQL table.
4. Then with the SQL command to import them into table.

```
LOAD DATA INFILE '/path/to/file.csv'  
INTO TABLE your_table  
FIELDS TERMINATED BY ','  
ENCLOSED BY '"'  
LINES TERMINATED BY '\n'  
IGNORE 1 ROWS;
```


UNNECESSARY CODE REMOVAL



In Unity, removing unnecessary assets and code from a game project is crucial for several reasons. First and foremost, it helps optimize the game's performance and reduces the overall file size. Unnecessary assets and code consume valuable resources, such as memory and processing power, which can lead to decreased performance and longer loading times. By eliminating unused assets and code, developers can ensure that the game runs smoothly and efficiently.



BUG TESTING

1. For bug testing, all features need to be tested in any way.
2. As a result of the research, all error scenarios that can occur in a mobile knowledge game and unity were created.
3. A plan or checklist was prepared for error testing.
4. Tests were made and mistakes made were noted.
5. Finally , game tested at different resolutions. (Mobile , emulator , tablet)

As a result, 3-4 bugs were found and fixed before implementation.



SCREENSHOTS OF GAME



HOW KNOWLEDGABLE ARE YOU ?

Enter Your Nickname ✓

Warning Text

Continue

HOW KNOWLEDGABLE ARE YOU ?

Start Game

Give Me Question

Leaderboard

Quit Game

HOW KNOWLEDGABLE ARE YOU ?

Give Me A Question

Enter Question without '?'

Enter Answer 1

Enter Answer 2

Enter Answer 3

Enter Answer 4

Correct Answer Time

Add

HOW KNOWLEDGABLE ARE YOU ?

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Every 10 Correct Answer You Gain Random 1 Joker

Skip the next page for the rules ...

→

SCREENSHOTS OF GAME



How To Play ?

The aim of the game is to reach the highest score.

The scoring system is different from traditional quiz competitions, and different scores are determined according to the difficulty of the question.

You get points according to these. Losing points occurs when an incorrect answer is given.

The points lost increase or decrease according to the difficulty of the problem.

Etc : While difficult questions provide - 15 points, making mistakes in easy questions causes more points to be lost. (-30)

[I Understand](#)

HOW TO PLAY

0

In which sport are "forehand" and "backhand" shots used?

%25 %50 2X PAS Correct Answer

Basketball

Handball

Football

Tennis

HOW TO PLAY

1500

Game Over For Now.

New questions will be add in time.

Stay tune :)

HOW TO PLAY

Leaderboard

	Yigitpiyale 605	1
	Derman 237	2
	Denemelast 111	3
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FUTURE WORKS



One of the strongest aspects of this application is that it offers a unique gaming experience. It offers an experience where they can progress by constantly knowing questions without the limit of questions and jokers. Apart from that, there are all kinds of various questions. That's why it stands out from other knowledge games.

However, there are also areas for improvement and future development ;

1. Different question competition styles can be added by dividing the question types
2. A simultaneous competition can be held online (Competitiveness can be achieved by asking the same questions to two players at the same time)
3. Since the user interface is very flexible, it can be developed with many different variations.
4. The in-game store can be opened and the jokers right can be purchased from this store. The points of this store can be awarded according to the number of correct ones that he knows in the game.

CONCLUSION

Finally, HKAY offers a unique gaming experience independent of similar game genres. The aim of the game is to enable people to have fun, compete and expand their knowledge pool.

- The application uses Unity , C# , mySQL and php.
- Application may run different many devices.
- Application communicates MySQL database with HTTP requests via PHP and XAMPP.

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HOW
KNOWLEDGABLE
ARE YOU ?



**THANK YOU FOR
LISTENING !**