

GUESSING THE WORD GAME PROPOSAL

1. Introduction

The "Guessing Word Game" is a fun and engaging activity designed to help players unwind and take a break from the stresses of school or work. In this game, players are challenged to guess a randomly selected word, testing their vocabulary and problem-solving skills. The game also features a scoring system that tracks players' success, providing an additional layer of motivation and achievement. The goal of the game is simple: to relax and have fun while challenging your mind. Whether you are looking to take a quick break or spend some time unwinding, the "Guessing Word Game" offers a perfect way to recharge and enjoy a moment of light-hearted entertainment.

2. Objective

- Guess the randomly selected word within a limited number of attempts.
- Earn points based on the number of correct guesses and word difficulty.
- Challenge your vocabulary and problem-solving skills.
- Enjoy a fun and relaxing gameplay experience.

3. Key Module and Features

- **User Information access and control:** Manage and store player profiles, including tracking scores, progress, and game history.
- **Game feature:** Provide a seamless and engaging gaming experience with intuitive user interfaces and smooth gameplay

4. Implementation

4.1. Requirements Analysis

4.1.1. Functional Requirements

Module 1: User Account Management

- **Add User account:** the ability to add a new user account to the system in some information such as Name, username, password, role, and ID.
- **Update user account:** modify the user information.
- **Delete user account:** Remove the user account from the game system.
- **View user account:** display the user information.
- **Search user account:** find the user account.
- **Short user account:** short user by name and ID.

Module 2: Game Play

- **Random word selection:** Generate and select a random word for each game session, ensuring a unique and challenging experience every time.
- **Letter guessing:** Allow players to guess the word by selecting individual letters, building suspense and excitement as they try to uncover the correct word.
- **Check correct or incorrect guessing:** Offer immediate feedback on whether the guessed letter is correct or incorrect, helping players improve their word-guessing strategy.
- **Win/Loss:** Automatically evaluate if the player has successfully guessed the word or not and display the corresponding win or loss status.

4.1.2. Technical Specifications

Programing language: C++

- Function:
 - ❖ Add
 - ❖ Edit
 - ❖ Search
 - ❖ Delete
 - ❖ Short
 - ❖ Save
 - ❖ Display

4.2. Design User Interface

Guessing Word Game Demo

The '**Guessing word game**' is designed for players to play the guess the Word.

Welcome to the Guessing Word Game:

Login to play the game:

1. Register
2. Login
3. Exit

Please choose a number: "1"

Welcome new user.

Fill in the user information:

Name: "Phanit"

ID: "001"

Username: "phanit"

Password: "123"

Role:

1. Admin
2. Player

Enter the user role: "1" or "2" After completing the information it will go back to the login.

Login to play the game:

1. Register
2. Login
3. Exit

Please choose a number: "2"

Please the username and password:

Username: "phanit"

Password: "123"

If it is incorrect it will message "**Invalid input**" other, it will go to the user menu:

Welcome "Phanit" to THE GUESSING GAMES: (Player Menu)

1. Play the game
2. Display the user information
3. Exit

Please choose a number: "1"

The guessing word game is started:

Guess the Word:

Enter the Word: "COOK" (user input the word)

If the message is incorrect, respond with **"You got it wrong."** You have 2 chances remaining.

Enter the word: **"BOOK"** (user input the word)

Congratulations you win the game and get 10 scores!!!!

Do you want to play it again(y/n): **"n"**

If you choose "y" the game will start again but if you choose **"n"** this will take you to the player menu.

Welcome "Phanit" to THE GUESSING GAMES: (Player Menu)

1. Play the game
2. Display the user information
3. Exit

Please choose a number: **"2"**

This is "Phanit" information

User total score

Phanit 10

Welcome "Phanit" to THE GUESSING GAMES: (Player Menu)

1. Play the game
2. Display the user information
3. Exit

Please choose a number: **"3"**

Welcome "Phanit" to THE GUESSING GAMES: (Admin Menu)

1. Play the game (is the same as the player menu)
2. Add Word
3. Edit Word
4. Display Word
5. All player information
6. Short player information
7. Search player information
8. Exit

Please choose the number: **"2"**

How many words do you want to add? **"2"**

Enter the word [1]: **"COKS"**

Enter the Word [2]: **"LOOK"**

Do you want to add more? (y/n): **"n"** (if yes it will repeat the question above again)

Welcome "Phanit" to THE GUESSING GAMES: (Admin Menu)

1. Play the game (is the same as the player menu)
2. Add Word
3. Edit Word
4. Display Word
5. All player information
6. Short player information
7. Search player information
8. Exit

Please choose the number: **"3"**

Which word do you want to Change? **"COKS"**

You want to change it to the word: **"COOK"**

Your change is completed.

Welcome "Phanit" to THE GUESSING GAMES: (Admin Menu)

1. Play the game (is the same as the player menu)
2. Add Word
3. Edit Word
4. Display Word
5. All player information
6. Short player information
7. Search player information
8. Exit

Please choose the number: "4"

This is the list of Words:

[BOOK, COOK, LOOK]

Welcome "Phanit" to THE GUESSING GAMES: (Admin Menu)

1. Play the game (is the same as the player menu)
2. Add Word
3. Edit Word
4. Display Word
5. All player information
6. Short player information
7. Search player information
8. Exit

Please choose the number: "5"

The users' information

User ID	User Name	Total score
001	Phanit	110
007	Chong	120
004	Lin	130
009	Zi	140
008	Xa	150

Welcome "Phanit" to THE GUESSING GAMES: (Admin Menu)

1. Play the game (is the same as the player menu)
2. Add Word
3. Edit Word
4. Display Word
5. All player information
6. Short player information
7. Search player information
8. Exit

Please choose the number: "6"

Short player by:

1. ID
2. Name
3. Exit

Choose a number: "1"

The users' information

User ID	User Name	Total score
001	Phanit	110
004	Lin	130
007	Chong	120

008 **Xa** 150
009 **Zi** 140

Welcome "Phanit" to THE GUESSING GAMES: (Admin Menu)
1. Play the game (is the same as the player menu)
2. Add Word
3. Edit Word
4. Display Word
5. All player information
6. Short player information
7. Search player information
8. Exit

Please choose the number: "7"

What player ID do you want to search for? "001"

This is the player ID: "001"

User ID Username Total score

001 Phanit 110

Welcome "Phanit" to THE GUESSING GAMES: (Admin Menu)
1. Play the game (is the same as the player menu)
2. Add Word
3. Edit Word
4. Display Word
5. All player information
6. Short player information
7. Search player information
8. Exit

Please choose the number: "8" (This will go back to the user login)

Welcome to the Guessing Word Game:

Login to play the game:

1. Register
2. Login
3. Exit

Please choose a number: "3" (Exit the program)

The program is exited