

GUESSING THE WORD GAME PROPOSAL (KEO SOPHANIT)

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 game's goal is simple: to relax and have fun while challenging your mind. Whether you want to take a quick break or spend some time unwinding, the "Guessing Word Game" offers a perfect way to recharge and enjoy 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 users to guess the randomly selected word within a limited number of playing times and earn points based on the correct guesses word.

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 all the users' information.
- **Search user account:** find the user account by ID.
- **Short user account:** short user by ID.

Module 2: Game Play

- **Word Control:** Add, edit, delete, sort, search, and view.
(Additional Feature)
 - ❖ **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 THE WORD GAME DEMO

The 'GUESSING THE WORD GAME' is designed for players to play Guess the Word.

Welcome to the Guessing Word Game

Login to play the game:

1. Register
2. Login
0. Exit

Please choose a number: "1"

When you enter 1 you will go to the register and fill in the new information of a new user.

Register for 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".

The register is completed!!

After completing the information, it will go back to the login.

Welcome to the Guessing Word Game

Login to play the game:

1. Register
2. Login
0. Exit

Please choose a number: "2"

After choosing number 2 you will fill in the username and password.

Please the username and password:

Username: "phanit"

Password: "123"

Login is successful!!

If it is incorrect it will message **"Invalid input"**. If it is correct it will go to the user menu.

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

1. Word Control
2. User Account Control
3. Play the game (is the same as the player menu)
0. Exit

Please choose a number: "1"

After you enter the number "1" you will go to the word control menu.

Word Control Menu

1. Add Words
2. Edit Words
3. Delete Words
4. Search Words
5. Short Words
6. View Words.
0. Exit

Please choose the number: "1"

If you enter the number "1" it will ask how many words you want to add.
When you complete the adding word it will go back to the Word Control Menu

Add Word

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)

The words are already added.

If you enter the number "2" it will ask Which word you want to Edit.
When you complete Editing the word it will go back to the Word Control Menu.

Edit Word

Which word do you want to Change? "COKS"

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

The word COKS is Changed to COOK.

If you enter the number "3" it will ask Which word you want to Delete. When you complete delete the word it will go back to the Word Control Menu.

Delete Word

Which word do you want to Delete? "COOK"

The word cook is deleted.

If you enter the number "4" you will enter the word you want to search. If the word is in the list, it will display a message indicating that it is in the list if not, it will indicate that there are no words in the list. After completion, it will return to the Word Control Menu."

Search Word

Search the Word: "BOOK"

The word BOOK is in the list.

The Word BOOK is not on the list.

If you enter the number "5" it will Shorten the word by alphabet.
When complete short the word it will go back to the Word Control Menu.

Short Word

- BOOK
- COOK
- LOOK
-

The words are already shorted.

*If you enter the number "6" it will display all the words as a list.
When complete short the word it will go back to the Word Control Menu.*

View Word

- COOK
- LOOK
- BOOK
-

If you enter the number "0" it will go back to the admin control.

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

1. Word Control
2. User Account Control
3. Play the game (is the same as the player menu)
0. Exit

Please choose a number: "2"

After you enter the number 2 you will go to the user account control.

User Account Control: (Admin Menu)

1. Add Account
2. Edit Account
3. Delete Account
4. Search Account
5. Short Account
6. View Account.
0. Exit

*If you enter the number "1" You will fill in the user information
to create a new user account. When you complete it will go back to the
User Account Control Menu.*

Add User Account

- Name: "Phanit"
- ID: "001"
- Username: "phanit"
- Password: "123"
- Role:
 1. Admin
 2. Player

Please Choose the number: "1".

*If you enter the number "2" You can change the user account information. When you complete it will go back to the **User Account Control Menu**.*

Edit User Account

Enter the user ID you want to Edit: "001"

1. Name
2. ID
3. Username
4. Password

What do you want to change? "1"

You Want to change to: "PHANIT"

Chang's Name is completed!!

*If you enter the number "3" You can delete the user account. When you complete it will go back to the **User Account Control Menu**.*

Delete User Account

What ID user account do you want to delete? "001"

The Account is Deleted.

*If you enter the number "4" You can search the user account by ID. When you complete it will go back to the **User Account Control Menu**.*

----- Search User Account -----

What user account you want to search? ID: "001"

User information:

Name: "Phanit"

ID: "001"

Username: "phanit"

Role: "Admin"

These are the user account information!!

If there is no user ID, it will display **"There have no this user ID"**

*If you enter the number "5" You can short the user account by ID.
When you complete it will go back to the **User Account Control Menu**.*

----- Short User Account -----

ID	Name	Username	Role
001	Phanit	phanit	Admin
003	Lin	lin	player
006	Panda	panda	player

The short user information by ID

*If you enter the number "6" You can view the user account. When you complete it will go back to the **User Account Control Menu**.*

----- All User Account -----

ID	Name	Username	Role
001	Phanit	phanit	Admin
006	Panda	panda	player
003	Lin	lin	player

This is all the user account information!!

If you enter the number "0" You can view the user account. When you complete it will go back to the **Admin Control**.

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

1. Word Control
2. User Account Control
3. Play the game (is the same as the player menu)
0. Exit

Please choose a number: "3"

After you enter the number 3, you will go to the **Player Menu**.

If you Enter the number 0

(Additional Feature)

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

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

Please choose a number: "1"

After you enter number 1 then it will start the game.

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
- 0. Exit

Please choose a number: "2"

After you Enter the number 2 this will display user information and back to the player menu

This is "Phanit" information

Name: Phanit

ID: 001

Total Score: 10

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

- 1. Play the game
- 2. Display the user information
- 0. Exit

Please choose a number: "0"

The Program is Exciting!!