**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 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.

1. **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.

1. **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.

1. **Implementation** 
   1. **Requirements Analysis**
      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.
  + 1. **Technical Specifications**

**Programing language:** C++

* Function:
  + Add
  + Edit
  + Search
  + Delete
  + Short
  + Save
  + Display
  1. **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
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*

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***ID User Name total score***

***-----------------------------***

***001 Phanit 10***

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*Welcome “Phanit” to THE GUESSING GAMES: (Player Menu)*

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

*Please choose a number:* ***“3”***

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***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***

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***User ID User Name Total score***

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***001 Phanit 110***

***007 Chong 120***

***004 Lin 130***

***009 Zi 140***

***008 Xa 150***

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*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*

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***User ID User Name Total score***

***-----------------------------------***

***001 Phanit 110***

***004 Lin 130***

***007 Chong 120***

***008 Xa 150***

***009 Zi 140***

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*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”***

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**User ID Username Total score**

***-----------------------------------***

***001 Phanit 110***

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*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