**Studio 9: Contract Programming**

**Client Team Name**: Gresha & Janhvi

**Client Team requirements:**

GRE Vocabulary Flashcards Program Documentation

**Introduction:**

The GRE Vocabulary Flashcards Program will assist users in enhancing their English vocabulary skills for the GRE exam. The program categorizes vocabulary words into three levels: Beginner, Intermediate, and Advanced. Users are presented with flashcards containing words and are prompted to recall their meanings.

Features:

**User Interface:**

The program starts with a welcome message providing an introduction to its purpose.

Users are informed about the categorization of vocabulary words into three levels: Beginner, Intermediate, and Advanced.

Each flashcard presents a word, and users are encouraged to recall its meaning.

Levels and Flashcards:

Users can choose the difficulty level (Beginner, Intermediate, or Advanced) to practise.

For each level, a set of vocabulary words is provided along with their synonyms.

**User Interaction**:

The program uses a loop to allow users to practise continuously.

If it's the first interaction, the user is prompted to choose a difficulty level. Subsequent prompts ask the user to continue practising or exit the program.

The user can type 'exit' at any point to end the program.

Randomization:

The program uses the Python random module to present vocabulary words in a random order, enhancing the learning experience.

**Usage:**

Starting the Program:

Run the script to initiate the program.

Choose a difficulty level (Beginner, Intermediate, or Advanced) to start practicing.

Practicing Vocabulary:

The program will display words along with their synonyms based on the chosen difficulty level.

Users can try to recall the meaning of each word.

**Continuing or Exiting:**

After completing a set of flashcards, the user can choose to continue practicing at the same level or exit the program.

Typing 'exit' will terminate the program.

**# Program Output:**

Welcome to the GRE Vocabulary Flashcards Program!

**# User Interaction:**

Please choose the difficulty level to start with (Beginner / Intermediate / Advanced) or type 'exit' to exit the program: beginner

Welcome to the beginner module

Flashcard 1: Arduous (adj.)

Synonyms: taxing, difficult

What does "Arduous" mean?  # User enters the meaning

**# After completing a set of flashcards:**

To continue practicing, please choose Beginner, Intermediate, or Advanced, or type 'exit' to exit the program: exit

Exiting the program. Goodbye!

**Conclusion:**

The GRE Vocabulary Flashcards Program aims to provide an interactive and randomized learning experience for users preparing for the GRE exam. Users can reinforce their vocabulary skills through the recall of word meanings in a user-friendly and engaging environment.