

## **iGraphics Project Proposal (Word Matching Game)**

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Dear Sir,

Assalamualaikum. I, with due respect, would like to state that I have been assigned an iGraphics project on Word Matching Game under your supervision. I hereby presenting my proposal for the project with title, brief description and features with short details.

**Project Title: “Word Matching Game: Match the Animals”**

**Description:** This is one type of card matching game with similar objects from a set of randomly distributed cards. In the game there will be a set of 30 cards each containing a word (animal name) along with an associated animal's picture. Among them each two will have similarity. The cards will be laid down on a gameboard facing the back face upwards. A player has to click on a card to rotate it and see the word written on it. Then he has to guess and click on another card to make a match with the previous card. If there is a match then the two cards will disappear. Otherwise, the pair of cards will be rotated again to their initial state.

### **Features:**

1. **Two players' game:** It will be a two-player game. Each player will get his turn after the opponent player's turn.
2. **Time Limitations:** There will be time limitations for each of the players. A player have to finish his game within his corresponding time limitations.
3. **Game over:**
  - a) When both of the players have reached his time limitations.  
(A player cannot play if he has reached his time limit even if the other player has time left.)
  - b) When all of 15 pairs of cards have been chosen.

### **4. Scoring System:**

- a) A player will get score when he chooses a correct pair.
- b) The more quickly a player chooses a pair, the more score he gets.
- c) The rate of getting score will decrease as the player chooses a wrong pair.

**5. Score Board:** The top 3 highest scoring players' name will be written in the score board.

**6. Shuffle:** While playing the game players can shuffle the remaining cards so that it becomes more difficult for guessing the pairs. After shuffling the remaining cards, they will be distributed into new order.