Poker Game Rules <u>Introduction:</u>

Welcome to Poker! In this game, you will play against a single bot and try to win all its money. You lose when your wallet hits 0. Both you and the bot start with the same amount of money.

Game Setup

When you press 'Setup Game', you are prompted with a screen where you can define your wallet amount (and consequently the bot's wallet amount), the small blind, and the big blind.

- Wallet: Please set your wallet as an integer, and when you do your bets only do them in integer amounts. Your wallet and the bot's wallet will be set to what you define your wallet to be in the game setup.

- Big and small blinds: When setting up blinds, make the big blind bigger than the small blind to make the game function properly.

Betting and Blinds

- Small Blind: You are always the small blind in each round and must place a bet to call the Big Blind amount before the hand begins. The small blind is automatically deducted from your wallet as it is a bet you are forced to make.

- Big Blind: The bot is always the big blind and automatically pays it. You as the small blind will have to either 'call' or 'raise' the bot's big blind.

- Calling the Big Blind: At the start of each round, you can either call or raise the bot's big blind. If you don't like your cards after paying the small blind, you can also fold.

Betting stages

A round of poker contains multiple betting stages. It works like this:

1. Pre-Flop:

    a. The blinds are automatically payed and deducted from your wallet

    b. The players (you and the bot) receive 2 cards each, these two cards represent your hand.

2. Flop: The dealer places three community cards face-up on the table.

    a. The dealer places three community cards face-up on the table.

b. Since you are the small blind, you start each betting phase. You can either check, raise, or fold. If the bot raises over your previous bet, you have the option to call the bot's raise to move on to the next stage.

3. Turn:

   a. A fourth community card is dealt.

   b. See 2.b.

4. River:

   a. A fifth and final community card is dealt.

   b. The final betting round which follows the same steps defined in 2.b.

5. Showdown:

   a. After the last betting round finishes, the program compares the player's cards and the bot's cards to determine the winner of the round. The winner gains the amount of money in the pot. If there is a tie, the pot is split between the two players.

Raising

You are free to raise at any time during the betting rounds. When you raise:

☐ The raised amount is added to your original bet, so there are no restrictions on how much you can bet as long as you have enough money to bet that amount.

Poker Hand Rankings

The winner of each hand is determined by the poker hand rankings (from highest to lowest):

1. Royal Flush: A, K, Q, J, 10, all having the same suit.

2. Straight Flush: Five consecutive cards of the same suit.

3. Four of a Kind: Four cards of the same rank.

4. Full House: Three of a kind and a pair.

5. Flush: Five non-consecutive (so not a straight) cards of the same suit,.

6. Straight: Five consecutive cards of different suits.

7. Three of a Kind: Three cards of the same rank.

8. Two Pair: Two pairs of cards (2 'One Pair's)

9. One Pair: Two cards of the same rank.

10. <u>High Card:</u> If both players don't have any of the combination mentioned above, the one with the highest card wins. High card is also used to determine the winner in case both players have the same combination (eg: both players have a pair of 3s).

How to Win

To win a round, one of the two conditions have to be met:

- Have a better hand than the bot after the last betting round finishes.

- The bot folds.

Good Luck and Enjoy the Game!