

User Manual for Version 1.0 of Trey Briccetti and Willie Xia's Poker Game

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Introduction to Poker

Texas hold 'em is one of the most popular variants of the card game of poker. Two cards, known as hole cards, are dealt face down to each player, and then five community cards are dealt face up in three stages. The stages consist of a series of three cards, later an additional single card, and a final card.

Src: wikipedia

Before each stage (action rounds), players are given the opportunity to enact any of the three actions:

Fold - Drop out of the current round

Check - Pay the current high bet amount in order to proceed onto the next stage

Raise - Increase the current bet amount, forcing all other players to pay more in order to check, increasing the size of the pot

If all players except one fold in a stage, the remaining player receives the pot. After the final card, if the remaining players all check, the winner of the pot is determined based on who can make the best combination hand with the community cards. (Combination rankings can be found on page 9)

Only on the first action round, the current bet amount is initialized with a preset \$ amount called the blind. All other action rounds begin with 0 as the current bet amount.

A winner is determined after all other players are eliminated (they have \$0 left).

Compile and Run

Simple steps to startup the program:

1. In the scripts folder includes all command line arguments necessary to compile and run the java files. Run the specific script that is compatible with your OS to compile and start the program.
2. Use the program and play with your friend!

Network Setup

In order to have peer to peer play, one player must host a game. All other players connect to the host via their IP and port. If you would like to play in local, the IP would just be 127.000.000.001 and the port being any non popular port number up to 65535 the host sets up.

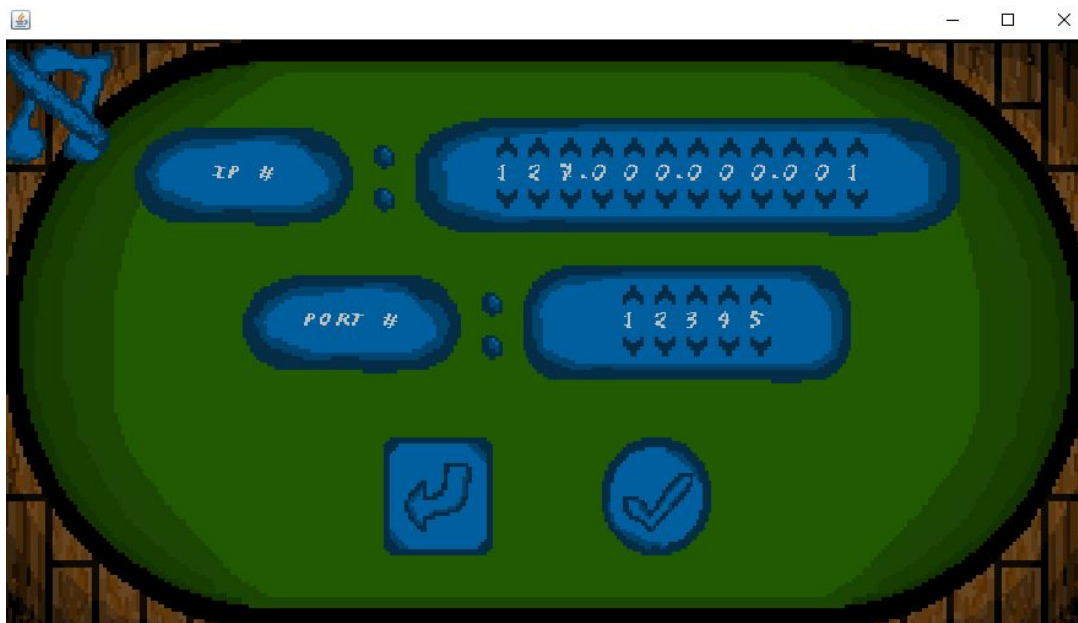
If you would like to have a connection across the internet, you must have a port forwarding setup on your router. This is different across routers, so refer to your respective router manuals to set up yours. Use the same port number that was setup on your router to host the game. All other players should join the game via the setup port and the ip address of the host.

Application Startup Details and Gameplay

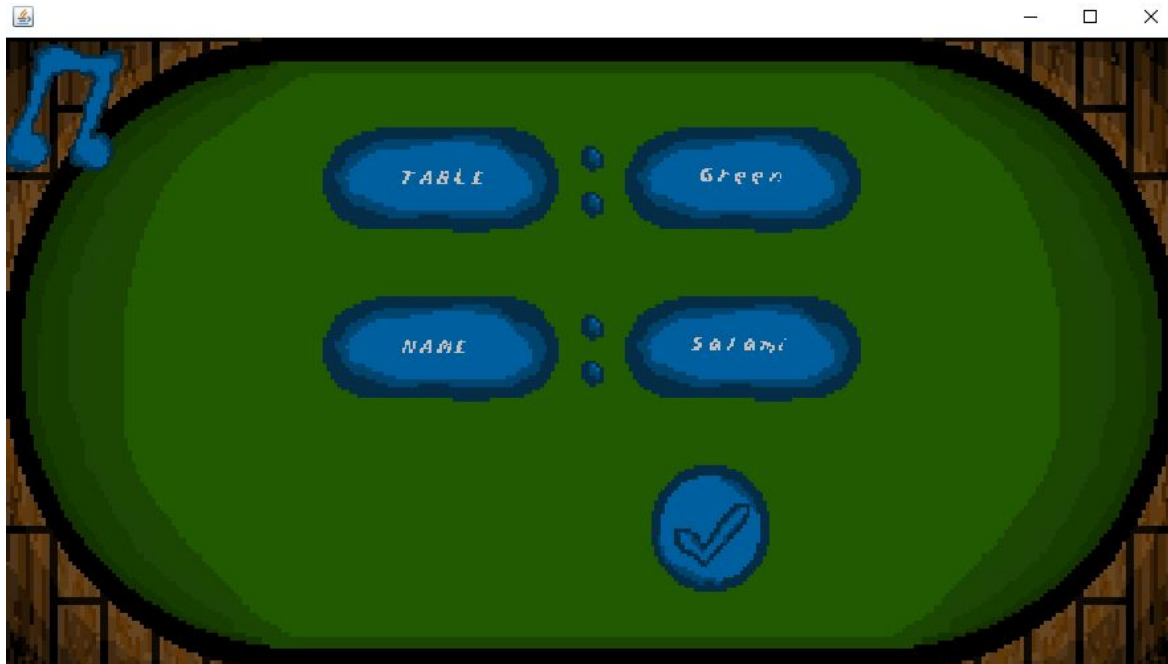
(1) On startup, you can either decide to host or connect to a host.



(2) If you want to host, submit an available port number (or the port number that is setup on your router if you are playing across the internet). If you are the client, submit the hosted port and host IP.



(3) Game settings can be changed before the game started, such as the blind or the color of the table

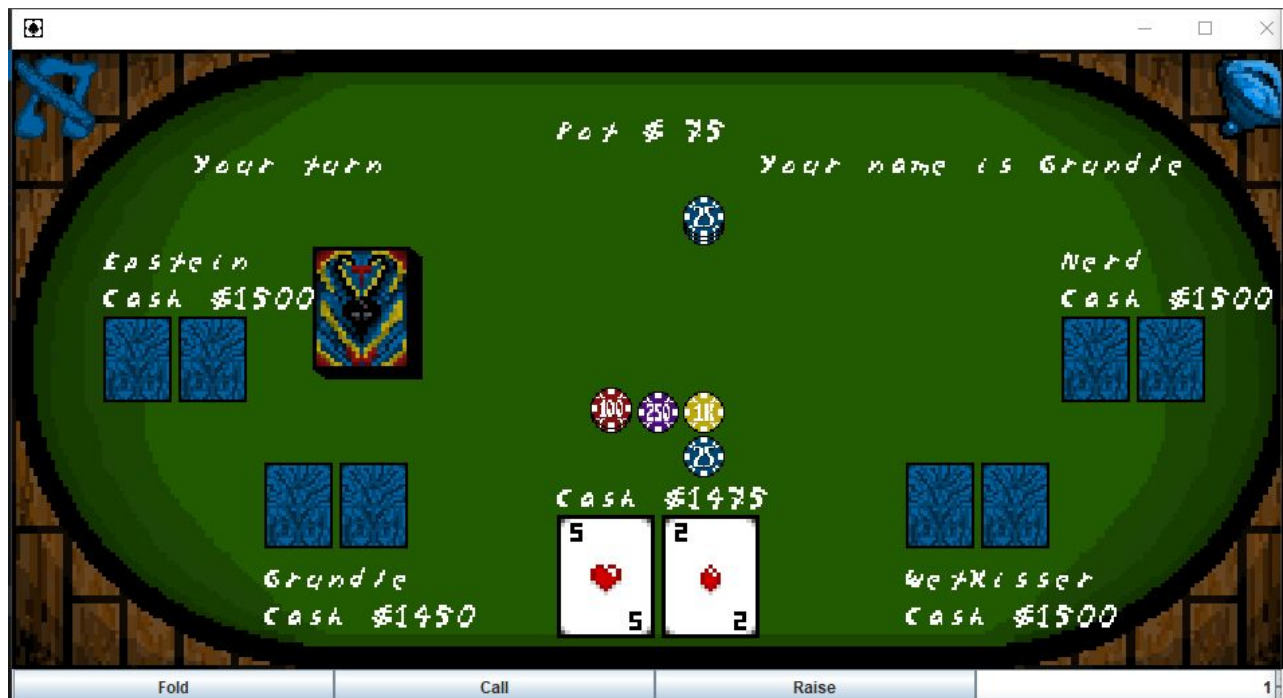


(4) Music and sound effects can be turned off via their respective buttons

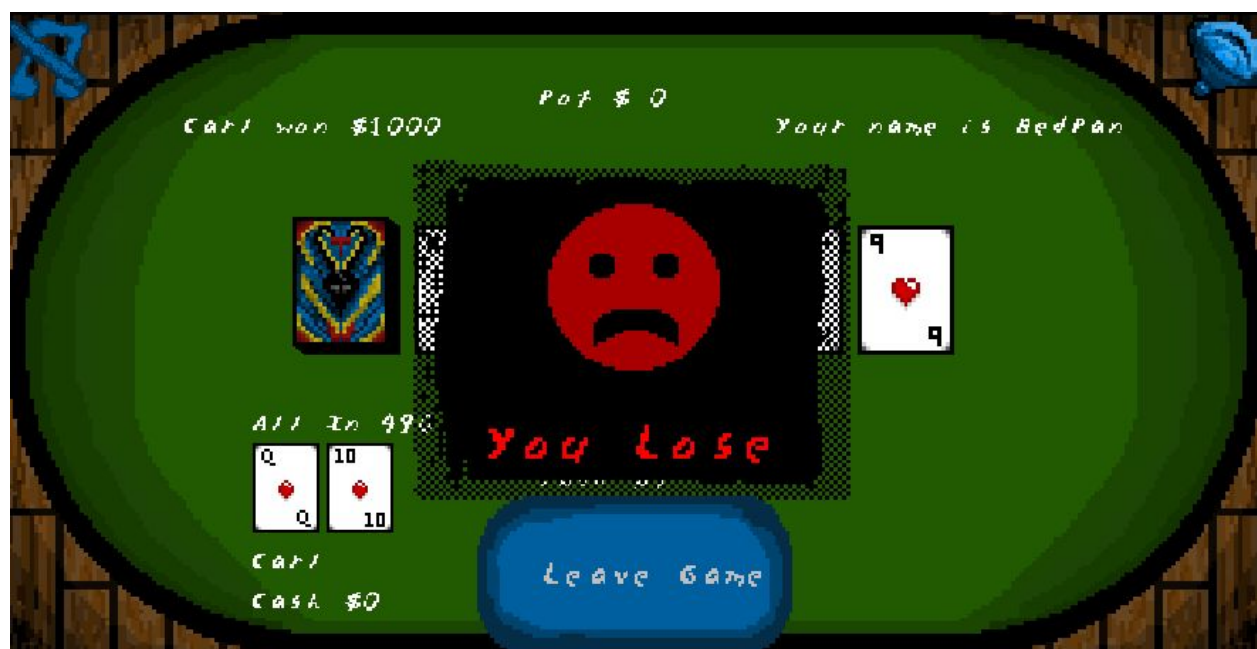
(5) After a client (or clients up to 5 total players) join, the host can start the game.



(6) Following the standard game of Texas Holdem, proceed to play hands until you win!



(7) or lose :(



Combination Rankings (Higher combination wins)

POKER HANDS



Royal Flush

Nothing beats a royal flush. This is the best hand in poker and it's very rare. This is a straight flush from 10 to Ace.



Straight Flush

The second best hand. Just like a straight, but the cards are all the same suit. Like in this example, all consecutive spades.



Four of a kind

As the name says, this is four of the same cards. The hand is completed with the highest card on the table or in your hand.



Full House

A combination of three of a kind with a pair. The full house hand that has the highest three of a kind cards wins from other full houses.



Flush

Five cards that are all the same suit. These don't need to be in any order. If two players have a flush, the player with the highest card in the flush wins.



Straight

A series of five cards that follow each other, but that are not of the same suit. Aces can follow a king, or start a straight followed by a two.



Three of a kind

Three cards of the same kind, for example three aces. The hand is completed with the two highest cards that are available.



Two pair

Two sets of two cards of the same kind. For example two kings and two queens, the last card to complete the hand is the highest card that is left available.



Pair

Two cards of the same kind, for example two aces. The hand is filled up with the three highest cards that are left available.



High card

You have none of the above and only a single card, like the ace in this example. Maybe it's time to fold?