

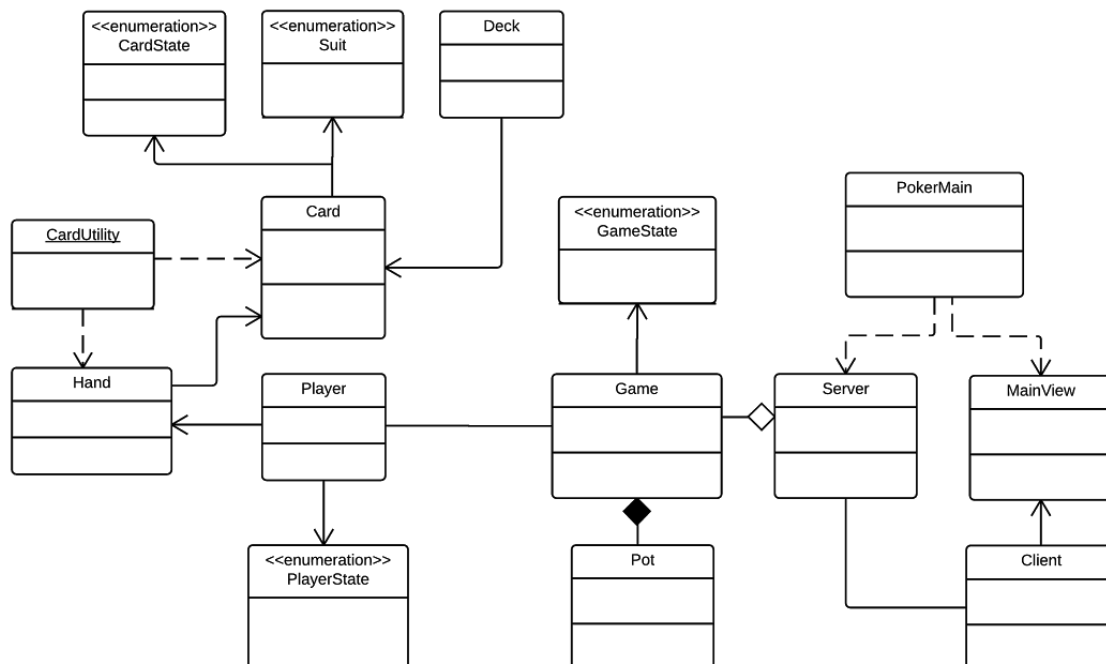
User Manual

GENERAL STATEMENT

Poker King is an application that allows 2-10 people to play Texas hold'em poker with each other from their own personal computer. As the programmers, we strive to create a fun online poker experience so that users can play and talk with their friends in their own personal computers / Macbook.

INTRODUCTION

The problem thus is to implement a project that runs the game of Texas Hold'em over the network that is simple and yet elegant in its design. This project would require our group to develop a network based version of Texas Hold'em that would allow for up to ten client players to join over the Bucknell network. The background of the problem rests in the inability to casually play some game across the network with friends. This problem would require some background information on networking in order to complete it. This would include the knowledge of how basic networking is done, how sockets work, and how they connect to various clients, and possibly information on threading, though our implementation was able to avoid the need for threading. While we were fairly confident in our abilities to create the game following the MVC model, hooking it up to have network capabilities seemed like a daunting task, one which would require much research, and just general work. This surprisingly was part of our own motivation for the project, we knew that the struggle to complete this project would force us to not only push our own programming bounds, but would help us to learn new skills that would be useful for much time to come.

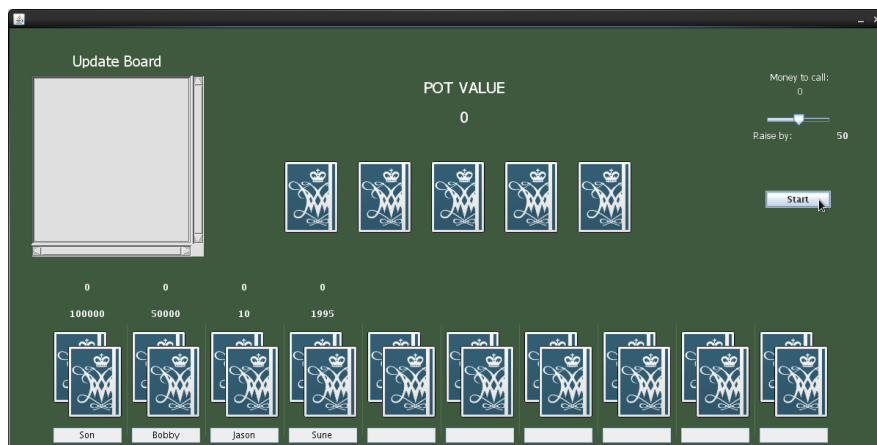


INSTRUCTIONS FOR USE

To play Poker King, run PokerMain.java and choose “Local” or “Network” from the options on the screen, depending on whether or not you want to play locally on one computer or over a network with other players at their own computers.



If you choose “Local,” you will enter into a new poker game that is already set up for 4 players with preset names:



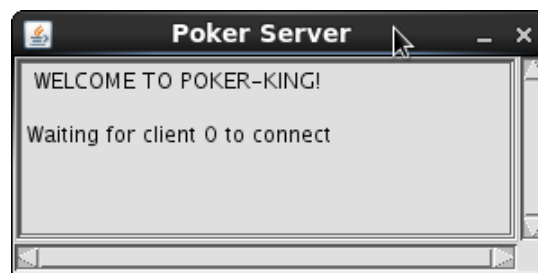
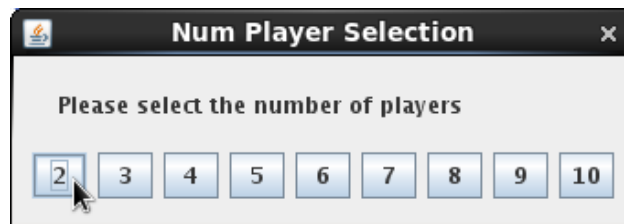
The other path that is more commonly taken when playing poker with friends is to choose “Network” when the program starts up:



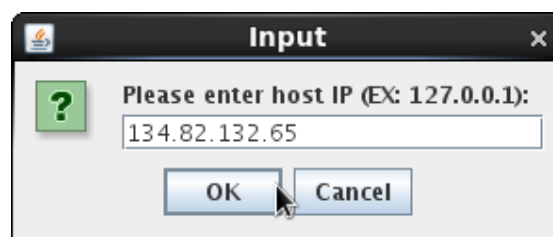
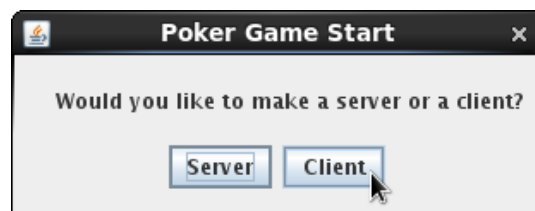
If you choose “Network,” then choose “Server” if you want to set up the current computer you are on to just be the server. Note: No one will be playing from the server computer and every network poker game needs a server computer.



When setting up the server, you need to select the number of players that will be playing in the poker game. This allows the program to know how many computers to expect to connect.



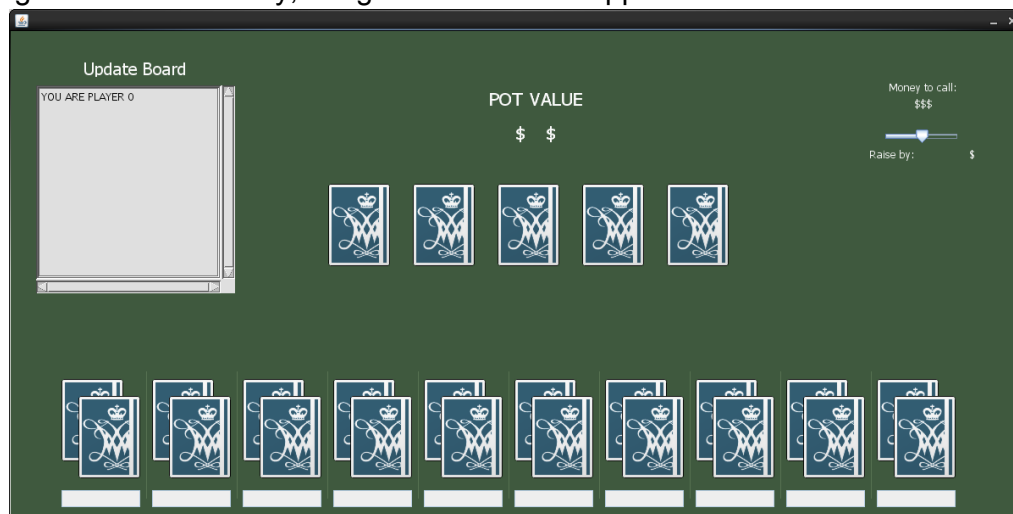
When you see the screen above, the server is all set up and ready for the players to connect! Now each player needs to become a "Client" each on a computer other than the server computer. Everyone does this by running the program, choosing "Network," and then choosing "Client" in the next window:



Now, the IP address of the server computer needs to be typed into the window above. To obtain the IP address of the server computer, just go onto the server computer and search “my IP address” in Google and choose the first link. The IP address should be displayed at the top. After the IP address of the server computer is entered in the window on the client computer, click OK.



Now the each player must select a different port number that is within the range of the number of players that are playing. For example, if two players are connecting to start a game, one player has to select “1” and the other has to select “2.” When OK is clicked and everything was done correctly, the game screen will appear.



The start button will only appear once all players are connected. Once you start the game, you play Texas Hold'em poker with your friends. Rules of the game are on the following page.

Texas Hold'em Rules (from about.com):

1. Every player is dealt two cards, face down. These are called hole or pocket cards.
2. For the action, or the first move, the player can either call the bet, raise it, or fold. Betting continues around the table, clockwise.
3. After the betting is completed, three cards are dealt face up in the center of the table, which is referred to as the board. The first three cards in Texas Hold'em are called the flop. These cards are "community cards" meaning everyone can (and will) use them in combination with their own hole cards to make the best hand.
4. From the flop on, betting begins with the player to the dealer's left, who can check or bet.
5. A fourth card is dealt face up onto the board. This is called fourth street or the turn card.
6. Another round of betting.
7. The final card is dealt face up. This card is also called fifth street or the river.
8. A final round of betting occurs. The remaining players show their cards and the person who can make the best five card hand by combining their pocket cards with the cards on the board wins.