

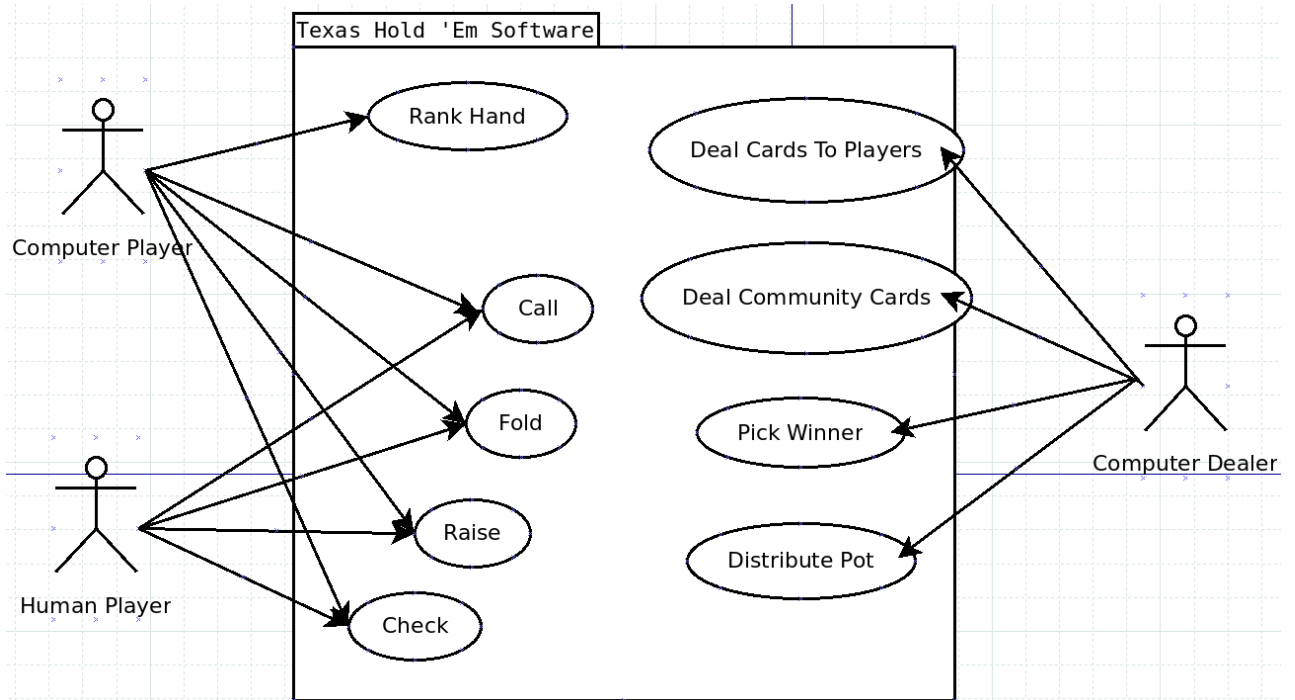
### **Texas Hold 'Em Description and Rules:**

Texas Hold 'Em is a multi-player card game that consists of each player being dealt a hand, followed by a subsequent dealing of community cards (consisting of the flop, turn, river) separated by betting stages. The winner is determined by the player with the highest hand as determined by a universal poker ranking system.

#### **Rules:**

- 1) Blinds (large and small) are static values throughout the game and rotate through players clockwise.
- 2) Dealer controls a standard deck of 52 playing cards, shuffled thoroughly in between hands
- 3) Each player (including computerized players) is dealt two private cards.
- 4) After each player has been dealt two cards, first round betting occurs starting with player immediately following the two blinds.
- 5) A player can check, fold, raise, or call during each betting phase if they are still in the round/game.
- 6) After first round of betting, the dealer puts down the flop, which are 3 cards in the center that can be used by any player to be part of their best 5 card hand.
- 7) The second betting round occurs then there is another card added to the center, the turn.
- 8) The third betting round occurs, and then the final center card is added, called the river.
- 9) The final betting round occurs, and then each hand is compared with one another to determine the winner.
- 10) The player deemed the winner is awarded all the money in the pot, and the next hand begins.
- 11) If any player cannot meet the minimum ante requirements or has no money, they are automatically kicked out of the game.
- 12) This process repeats until the human player wins, loses, or quits.

## Use Case Diagram



## Class Diagram

