University of Evansville

Project 5B

BlackJack

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EE356 Small Computer Software

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Description:

Consists of a server and up to 5 client programs. Server shows status of each player, their cards, money, and bet. Client shows that players cards in the middle, and arranges the other players cards accordingly.

* Meets these Minimum Requirements:
  + Server allows 5 concurrent connections
  + Rejects additional connections (not nicely)
  + Server maintains the table
  + Creates the shoe, shuffling a new one when number of cards is 52 or below.
  + Deals the cards in an orderly manner
  + Pays out according to rules of blackjack
  + Each player can see the other players play
  + Client interface allows space for up to 5 players and the dealer’s hand
  + Each player can receive up to 5 cards
  + Shows an animation when a card is dealt to any player
  + After each bet is taken, each player is dealt 2 cards and asked to hit or stand
* And these Extra Features:
  + Player perspective is changed for each client so that their hand is always in the middle, and the other players are arranged in order of player number
  + Bet must be more than their current money, and a minimum bet of $5 is required
  + When a player runs out of money they are disconnected from the server and may reconnect as a new player if desired
  + Server displays IP address and port to assist in connecting clients
  + Clients may specify a IP address and port to connect to



