Client Meeting

Main Menu

* Logo (stars and symbols, or pic)
* Play game option
* View leaderboard option
* Quit

Game

1. Ask the user for the name
2. Give them 1k
3. Prepare deck of cards

* Create an array of 52 rows by 3 columns (intDeck)
  + Column 0 → the value / 1-13 to represent
  + Column 1 → the suit / 1-4, 13 times
    - 1 → diamonds
    - 2 → clubs
    - 3 → hearts
    - 4 → spades
  + Column 2 → a random integer from 1 - 100
    - Bubble sort to sort array based on randInt in column 2

1. Place bet
2. Play the game (table blackjack)

* Cards → box with number on top and suits on bottom
* Create 2 5x2 arrays
  + First array → intPlayer
  + Second array → intDealer

| Number value | Suit in Int |
| --- | --- |
|  |  |
|  |  |
|  |  |
|  |  |

* Logic
  + Keep hitting until 17 or above
  + Dealer bust → give player 2x money
  + Player higher → player get 2x money
  + Dealer higher → player loses money
  + Tie → give money back
  + Special rules
    - ACES special rule
      * About to bust → go down to 1
    - If first 2 cards add up to 9 / 10 / 11
      * Ask user if they wanna double down
      * Bet gets doubled, only allowed one more card
    - Blackjack special rule
      * First 2 cards = 21
      * Automatically get 3x money back
    - 5 cards and do not bust special rule
      * Automatically get 3x money back

1. Ask if want to play again

* Yes
  + restart game
* No
  + write name / money amount to leaderboard file
  + Lost all money → write name and 0 dollars to leaderboard file
* Leaderboard file
  + Format (2 dimensional array) (infinite rows 2 columns)
    - Name - Money
    - Name - Money
  + Sort by highest money
* Quit
  + Closes the window