Flow Chart of Black Jack Simulation for One Player in Google Chrome or Firefox with console enabled.

Start (Player opens 'index.html' file and console of either 'Google Chrome' or 'Firefox')

Player clicks buttons other than Chips Button.

Yes → Show an alert message box and give error info.

No →

Player Sets Minimum Bet

No → Create a hand with 2 cards for a player and another hand with 2 cards for dealer.

Yes

Show 2 cards of player and hide the last card of dealer in GUI.

Player has Black Jack or score >=21 or clicks "Stand"

Yes → Add cards to dealer's hand until the score is equal to 17. Compare Scores, update balance, declare winner. → Display all cards of dealer. → End

No →

If user clicks "Hit"

Yes → Add card to player's hand. Allow them to add cards until they are busted.

Compare Scores, update balance.

→ Display newly added card.

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