```
[USF-Gold-Wifi-226-77-235:FINAL PROJECT abdulaldhubaiban$ make
g++     -std=c++14     -c     -Wall   -g     dealer.cpp
g++     -std=c++14     -c     -Wall   -g     player.cpp
g++     -std=c++14     -c     -Wall   blackjack.cpp
g++     -std=c++14     -o     blackjack     blackjack.o     player.o     dealer.o
[USF-Gold-Wifi-226-77-235:FINAL PROJECT abdulaldhubaiban$ ./blackjack

********************
Welcome to Black Jack
********************
```

```
*******************
Welcome to Black Jack
*******************

-----
How many players are playing
-----
 *NOTE:Max 5 players
 10
invalid number of players
please enter a number between 1 to 5
0
invalid number of players
please enter a number between 1 to 5
5

player 1 balance : $1000
------------
what is your bet?
------------
minimum bet is $5 and maximum bet is $100:
109
invalid bet
please enter a bet between 5 to 100
100

player 2 balance : $1000
------------
what is your bet?
------------
minimum bet is $5 and maximum bet is $100:
90

player 3 balance : $1000
------------
what is your bet?
------------
minimum bet is $5 and maximum bet is $100:
80

player 4 balance : $1000
------------
what is your bet?
------------
minimum bet is $5 and maximum bet is $100:
70

player 5 balance : $1000
------------
what is your bet?
------------
minimum bet is $5 and maximum bet is $100:
60

Dealer card is 4 and a hidden card
```

```
Dealer card is 4 and a hidden card


Player 1
Card 1: 8
Card 2: ACE
-----------------------------------------
Game Options
-----------------------------------------
hit is "hit"
stand is "stand"
double down is "d"
surrender is "surrender"
hit
Player 1
Card 1: 8
Card 2: ACE
Card 3: ACE
-----------------------------------------
would like to "hit" or "stand"
hit
Player 1
Card 1: 8
Card 2: ACE
Card 3: ACE
Card 4: 2
-----------------------------------------
would like to "hit" or "stand"
stand

Player 2
Card 1: 3
Card 2: 3
-----------------------------------------
Game Options
-----------------------------------------
hit is "hit"
stand is "stand"
double down is "d"
surrender is "surrender"
split is "split"
split
Player 2
split 1
Card 1: 3
Card 2: 9
-----------------------------------------
Game Options
  hit is "hit"
  stand is "stand"
  double down is "d"
hit
Player 2
split 1
Card 1: 3
Card 2: 9
```

```
Player 2
split 1
Card 1: 3
Card 2: 9
-----------------------------------------------
Game Options
    hit is "hit"
    stand is "stand"
    double down is "d"
hit
Player 2
split 1
Card 1: 3
Card 2: 9
Card 3: 7
-----------------------------------------------
would like to "hit" or "stand"
stand
Player 2
split 2
Card 1: 3
Card 2: 4
-----------------------------------------------
Game Options
    hit is "hit"
    stand is "stand"
    double down is "d"
d
Player 2
split 2
Card 1: 3
Card 2: 4
Card 3: ACE
-----------------------------------------------

Player 3
Card 1: 2
Card 2: 9
-----------------------------------------------
Game Options
-----------------------------------------------
hit is "hit"
stand is "stand"
double down is "d"
surrender is "surrender"
stand

Player 4
Card 1: 7
Card 2: 6
-----------------------------------------------
Game Options
-----------------------------------------------
hit is "hit"
stand is "stand"
double down is "d"
```

surrender is "surrender"
surrender

Player 5
Card 1: 10
Card 2: 4

Game Options
----
hit is "hit"
stand is "stand"
double down is "d"
surrender is "surrender"
d
Player 5
Card 1: 10
Card 2: 4
Card 3: 8

****
Dealer cards
card 1: 4
card 2: 8
card 3: 8
Dealer total is: 20

****

Hand total of player 1: 12
player 1: Lost
----
player 2
split 1: total: 19
split 1: Lost
player 2
split 2: total: 18
split 2: Lost

Hand total of player 3: 11
player 3: Lost

Hand total of player 4: 13
player 4: surrendered

Hand total of player 5: 22
player 5: Busted
****
would you like to play another round?
"yes" or "no"
yes

player 1 balance : $900
----
what is your bet?

```
minimum bet is $5 and maximum bet is $100:
10

player 2 balance : $730
------------
what is your bet?
------------
minimum bet is $5 and maximum bet is $100:
20

player 3 balance : $920
------------
what is your bet?
------------
minimum bet is $5 and maximum bet is $100:
30

player 4 balance : $965
------------
what is your bet?
------------
minimum bet is $5 and maximum bet is $100:
40

player 5 balance : $880
------------
what is your bet?
------------
minimum bet is $5 and maximum bet is $100:
50

Dealer card is 2 and a hidden card


Player 1
Card 1: 5
Card 2: 4
---------------------------------------------
Game Options
---------------------------------------------
hit is "hit"
stand is "stand"
double down is "d"
surrender is "surrender"
hit
Player 1
Card 1: 5
Card 2: 4
Card 3: 9
---------------------------------------------
would like to "hit" or "stand"
stand

Player 2
Card 1: ACE
Card 2: 7
```

```
Player 2
Card 1: ACE
Card 2: 7
----------------------------------------------
Game Options
----------------------------------------------
hit is "hit"
stand is "stand"
double down is "d"
surrender is "surrender"
stand


Player 3
Card 1: ACE
Card 2: 10
----------------------------------------------
Game Options
----------------------------------------------
hit is "hit"
stand is "stand"
double down is "d"
surrender is "surrender"
stand

Player 4
Card 1: 5
Card 2: 7
----------------------------------------------
Game Options
----------------------------------------------
hit is "hit"
stand is "stand"
double down is "d"
surrender is "surrender"
d
Player 4
Card 1: 5
Card 2: 7
Card 3: 8
----------------------------------------------

Player 5
Card 1: 4
Card 2: 8
----------------------------------------------
Game Options
----------------------------------------------
hit is "hit"
stand is "stand"
double down is "d"
surrender is "surrender"
surrender
************************************************
Dealer cards
card 1: 2
card 2: ACE
```

```
---------------------------------------------
Game Options
---------------------------------------------
hit is "hit"
stand is "stand"
double down is "d"
surrender is "surrender"
d
Player 4
Card 1: 5
Card 2: 7
Card 3: 8
---------------------------------------------

Player 5
Card 1: 4
Card 2: 8
---------------------------------------------
Game Options
---------------------------------------------
hit is "hit"
stand is "stand"
double down is "d"
surrender is "surrender"
surrender
************************************************
Dealer cards
card 1: 2
card 2: ACE
card 3: ACE
card 4: 8
card 5: 7
Dealer total is: 19


******************************************
--------------------------------------
Hand total of player 1:  18
player 1: Lost
--------------------------------------
Hand total of player 2:  18
player 2: Lost
--------------------------------------
Hand total of player 3:  21
player 3: BlackJack
--------------------------------------
Hand total of player 4:  20
player 4: Win
--------------------------------------
Hand total of player 5:  12
player 5: surrendered
******************************************
would you like to play another round?
"yes" or "no"
no
USF-Gold-Wifi-226-77-235:FINAL PROJECT abdulaldhubaiban$
```