

FOOP hw2 report

b01902102 資工四 葉子瑄

(1) how a human player should play with your program

a human player can play the game by following the instructions. After player enter the game, the system would ask player to type his name. And then, player just have to type his name with enter in the end. After it, system would tell player than he have 1000 P-Dollars, and start the game.

In each round of game, computer would ask player how much he want to bet at first. Player should type a number between 1-5. Both the case that player type a number which is not in the range from 1 to 5 or the case typing something which isn't number will be handled.

After betting, computer will deal 5 card to player, and show with option. Player and choose the cards he want keep by type the represent option.

In the end of each round, computer will fill up players hand and recognize what player get, and then pay the payoff.

If player want to leave the game, just bet 0 P-Dollar for any round.

(2) how you tested the correctness of your program

First, I test that if my program parse what player got correctly. There is a function in Shuffler can shuffle deck and make sure computer deal specific case (including two matching cards of 2-10 and three unmatched cards of other values) at first round. I used it to allowed computer deals all kind of case, and make sure parser parse player's hand correctly.

And then, I start playing game, and check if my program run suitably function by function with printing all of Lists. I think List is hard to control. How I test the case of wrong input is typing all strange input I imagine manually.

(3) the output from three rounds of the game from your program

```
abby@~/Documents/school/NTUCSIE_7/foop/foop15_137/hw2/src$ java P00Casino
P00Casino Jacks or better, written by b01902102 Tzu-Hsuan Yeh
Please enter your name: abby yeh
Welcome, abby yeh.
You have 1000 P-dollars now.
Please enter your P-dollar bet for round round (1-5 or 0 for quitting the game): 2
Your cards are (a) D5 (b) C6 (c) D9 (d) DJ (e) SJ
Which cards do you want to keep? ab
Okay. I will discard (c) D9(d) DJ(e) SJ
Your new cards are
C1 H3 D5 C6 CJ You get a OTHERS. The payoff is 0.
You have 998 P-dollars now.
Please enter your P-dollar bet for round round (1-5 or 0 for quitting the game): 5
Your cards are (a) S2 (b) C3 (c) D6 (d) H9 (e) HJ
Which cards do you want to keep? cde
Okay. I will discard (a) S2(b) C3
Your new cards are
D6 H8 H9 DT HJ You get a OTHERS. The payoff is 0.
You have 993 P-dollars now.
Please enter your P-dollar bet for round round (1-5 or 0 for quitting the game): 3
Your cards are (a) S3 (b) D4 (c) H5 (d) S8 (e) HK
Which cards do you want to keep? ad
Okay. I will discard (b) D4(c) H5(e) HK
Your new cards are
S3 D8 S8 DQ DK You get a OTHERS. The payoff is 0.
You have 990 P-dollars now.
Please enter your P-dollar bet for round round (1-5 or 0 for quitting the game): 0
Good bye, CharlieL. You played for 0 round and have 990 P-dollars now.
abby@~/Documents/school/NTUCSIE_7/foop/foop15_137/hw2/src$ █
```

(4) any part that you implemented that is worth getting “bonus” points

- a. function that can shuffle deck and make sure the assigned case will occur at first round.
- b. Telling player what to type when player type a unexpected input.

Please enter your P-dollar bet for round round (1-5 or 0 for quitting the game):	d
Your bet is unacceptable.	
Please enter your P-dollar bet for round round (1-5 or 0 for quitting the game):	3
Your cards are (a) C1 (b) S1 (c) D2 (d) H5 (e) D9	
Which cards do you want to keep?	ab3
Sorry I cannot recognize your answer.	
These is example of answer: "abd".	
Which cards do you want to keep?	fg
Sorry I cannot recognize your answer.	
These is example of answer: "abd".	
Which cards do you want to keep?	a
Okay. I will discard (b) S1(c) D2(d) H5(e) D9	
Your new cards are	
C1 S3 H4 S8 HQ You get a OTHERS. The payoff is 0.	
You have 997 P-dollars now.	
Please enter your P-dollar bet for round round (1-5 or 0 for quitting the game):	