

#### Bug Report:-

No bugs are present

#### Features:-

All the features required by the project were implemented.

Missing features: None

Extra features: None

#### Data Structures:

List was used for representation of almost everything

#### Log:-

First Week(Nov 20-27):-

Loads Game From File, Picks And Throws Card.

Working on Strategy.

Second Week(Nov 27- Dec 4):-

Worked on implementing strategy

Third Week(Dec 4- Dec 10):-

Implemented everything left.

#### Screenshots:-

#### Entry Point:

```
1 ?- main.  
1. Start New Game  
2. Load Game  
Enter option: █
```

#### Toss/Start First Round:

```
Press 1 for heads and 0 for tails Enter option: |: 1.
Got : 0
Computer won the toss

Round : 1
Computer Score : 0
Computer Hand : s3 s7 j1
Human Score: 0
Human Hand : s6 s5 s4
Draw Pile : c5 c6 c7 h9 hj hq t4 t6 j3 sq sx s9 c8 c4 c9 cq ck cj cx s8 sj sk j2 h6 h3 h4 h5 hx h8 h7
dx dq dk d6 d5 d3 d4 d7 dj d9 d8 t8 t5 t3 t9 tx tq tk tj t7 sx hk j1 dj t3 cq t8 s6 s5 s4 s3 s7 c3 c5
c6 c7 h9 hj hk t4 t6 j3 sq s9 c8 c4 c9 ck cj cx s8 sj sk j2 h6 h3 h4 h5 hx h8 h7 dx dq dk d6 d5 d3 d4
d7 d9 d8 t5 t9 tx tq tk tj t7
Discard Pile : c3
NextPlayer: computer
PlayersGoneOut: 0
```

## HumanPick and Help:

```
Current Player is Human

Human is playing
Round : 1
Computer Score : 0
Computer Hand : s3 s7 j1
Human Score: 0
Human Hand : s6 s5 s4
Draw Pile : c5 c6 c7 h9 hj hq t4 t6 j3 sq sx s9 c8 c4 c9 cq ck cj cx s8 sj sk j2 h6 h3 h4 h5 hx h8 h7
dx dq dk d6 d5 d3 d4 d7 dj d9 d8 t8 t5 t3 t9 tx tq tk tj t7 sx hk j1 dj t3 cq t8 s6 s5 s4 s3 s7 c3 c5
c6 c7 h9 hj hk t4 t6 j3 sq s9 c8 c4 c9 ck cj cx s8 sj sk j2 h6 h3 h4 h5 hx h8 h7 dx dq dk d6 d5 d3 d4
d7 d9 d8 t5 t9 tx tq tk tj t7
Discard Pile : c3
NextPlayer: human
PlayersGoneOut: 1
1. Pick from Discard Pile
2. Pick from Draw Pile
3. Ask for Help
4. Save Game
Enter option: |: █
```

```

Computer Hand : j3 hj hq t4
Human Score: 0
Human Hand : c5 c6 c7 h9
Draw Pile : sq sx s9 c8 c4 c9 cq ck cj cx s8 sj sk j2 h6 h3 h4 h5 hx h8 h7 dx dq dk d6 d5 d3 d4 d7 dj
d9 d8 t8 t5 t3 t9 tx tq tk tj t7 sx hk j1 dj t3 cq t8 s6 s5 s4 s3 s7 c3 c5 c6 c7 h9 hj hk t4 t6 j3 sq
s9 c8 c4 c9 ck cj cx s8 sj sk j2 h6 h3 h4 h5 hx h8 h7 dx dq dk d6 d5 d3 d4 d7 d9 d8 t5 t9 tx tq tk tj
t7 s3 s7 j1 s6 s5 s4 c3
Discard Pile : t6
NextPlayer: human
PlayersGoneOut: 1
1. Pick from Discard Pile
2. Pick from Draw Pile
3. Ask for Help
4. Save Game
Enter option: |: 3.
The current score in your hand is: 9

Your current hand is : [c5,c6,c7,h9]

I suggest you to replace h9 with t6 from discard pile

Picking from discard pile reduces the min score to 6

```

## Human Throw And Help:

```

Round : 1
Computer Score : 0
Computer Hand : s3 s7 j1
Human Score: 0
Human Hand : c3 s6 s5 s4
Draw Pile : c5 c6 c7 h9 hj hq t4 t6 j3 sq sx s9 c8 c4 c9 cq ck cj cx s8 sj sk j2 h6 h3 h4 h5 hx h8 h7
dx dq dk d6 d5 d3 d4 d7 dj d9 d8 t8 t5 t3 t9 tx tq tk tj t7 sx hk j1 dj t3 cq t8 s6 s5 s4 s3 s7 c3 c5
c6 c7 h9 hj hk t4 t6 j3 sq s9 c8 c4 c9 ck cj cx s8 sj sk j2 h6 h3 h4 h5 hx h8 h7 dx dq dk d6 d5 d3 d4
d7 d9 d8 t5 t9 tx tq tk tj t7
Discard Pile :
NextPlayer: human
PlayersGoneOut: 1

1. Throw Card
2. Ask for Help
Enter option: |: 

```

```

Round : 2
Computer Score : 0
Computer Hand : j3 hj hq t4
Human Score: 0
Human Hand : t6 c5 c6 c7 h9
Draw Pile : sq sx s9 c8 c4 c9 cq ck cj cx s8 sj sk j2 h6 h3 h4 h5 hx h8 h7 dx dq dk d6 d5 d3 d4 d7 dj
d9 d8 t8 t5 t3 t9 tx tq tk tj t7 sx hk j1 dj t3 cq t8 s6 s5 s4 s3 s7 c3 c5 c6 c7 h9 hj hk t4 t6 j3 sq
s9 c8 c4 c9 ck cj cx s8 sj sk j2 h6 h3 h4 h5 hx h8 h7 dx dq dk d6 d5 d3 d4 d7 d9 d8 t5 t9 tx tq tk tj
t7 s3 s7 j1 s6 s5 s4 c3
Discard Pile :
NextPlayer: human
PlayersGoneOut: 1

1. Throw Card

2. Ask for Help
Enter option: |: 2.

Throwing h9 reduces minimum score to 6

1. Throw Card

```

## Computer Play:

```

-----Computer is playing-----

----- Computer Play - Pick Card -----
Current score in computers hand is: 0

Computers current hand is : [s3,s7,j1]

Replacing s3 with c3 from discard pile would reduce the minimum score in computers hand

Picking from discard pile reduces the min score to 0
Computer picked card

Throwing c3 reduces minimum score to 0
-----Computer made a move-----

```