

Version 2.0



**Q.A.C.F.**

Card Game Suite

# User's Guide

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## **ABOUT P.A.C.E CARD GAME SUITE**

P.A.C.E Card Game Suite is a compilation of classic card games sure to provide many hours of entertainment! The suite contains the full versions of War, Concentration, Black Jack, High or Low, Thirty-One, and Solitaire.

## **MINIMUM SYSTEM REQUIREMENTS**

Operating System:	Windows 7 / 8 / 10, 64-bit
CPU:	Celeron (2 GHz) or better
Software:	Java SE Runtime Environment (8u101 or later)
Memory	65 KB for game file; 10 KB for High Scores file
Input/Output:	Mouse (required), keyboard (optional)

## **INSTALLATION AND SETUP**

The P.A.C.E Card Game Suite is delivered as an executable Java (Jar) file. There is no installation required – just click on the game to get started!

## **CONTRIBUTORS**

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Erik Freburger – Testing Lead

Patrick Smith – Coding and Requirements Lead

## P.A.C.E CARD GAME SUITE MAIN MENU

The main menu contains a list of games available in the P.A.C.E Card Game Suite. Click on the game you want to play and a new game window will open. When you are ready to play a different game, simply close the game window and you will be returned to the Main Menu!



*Figure 1 - P.A.C.E Card Game Suite Main Menu*

## THE CARD GAMES

The P.A.C.E Card Game Suite contains the following games:

- War
- Black Jack
- Concentration
- High or Low
- Thirty-One
- Solitaire.

Each of the games has its own customized window and menus.

# WAR

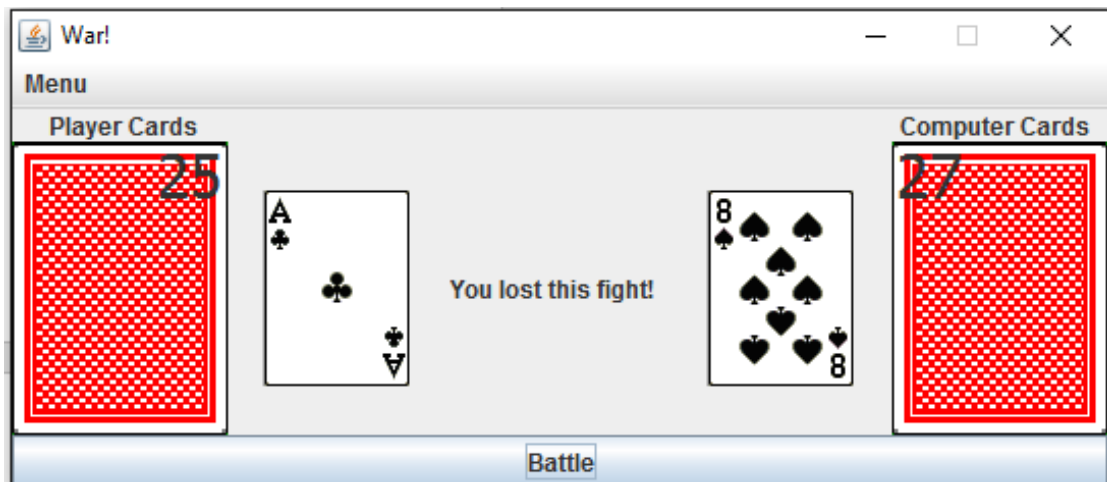
## *The Objective*

The objective of War is to get all 52 cards by winning battles against your opponent. In P.A.C.E Card Game Studio, your AI opponent is customized to be a random player.

## *How to Play*

Card Rank, from the highest to the lowest: Ace, K, Q, J, 10, 9, 8, 7, 6, 5, 4, 3, 2

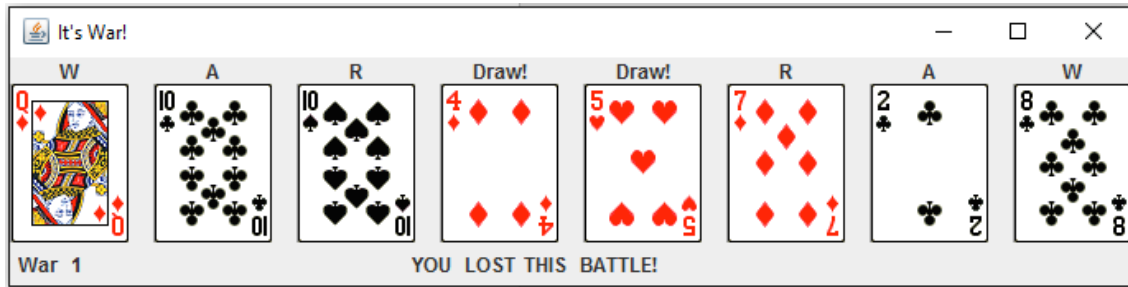
The deck is split evenly between you and your opponent. Both players will play the top card in their deck at the same time (in P.A.C.E, all you have to do is click the “Battle” button to play your cards and your opponent’s cards). If your card is higher than your opponent’s card, you win that match and the two cards are automatically returned to the bottom of your deck. If you lose, your opponent gets to keep the cards!



*Figure 2 - P.A.C.E. War Battles*

In the event of a “tie”, a War is declared! Both players will then play the next three cards in their deck (face down) and a fourth card (known as the “Draw!”) is played face up. If

your Draw card is higher than your opponent's Draw card, you won the battle and you get to keep all of the cards in play. If it is not, your opponent keeps all of the cards.



*Figure 3 - P.A.C.E. It's War!*

In the event of a tie, a War Battle is repeated. If War is declared and a player does not have enough cards to battle with, the game will automatically determine how many cards are left and customize the number of cards drawn.

When one player succeeds in getting all 52 cards, they win!

## **BLACKJACK**

### ***The Objective***

The objective of Blackjack is to beat the dealer by getting the highest scoring hand without exceeding 21. In P.A.C.E Card Game Studio, your AI dealer is customized to be a random player.

### ***How to Play***

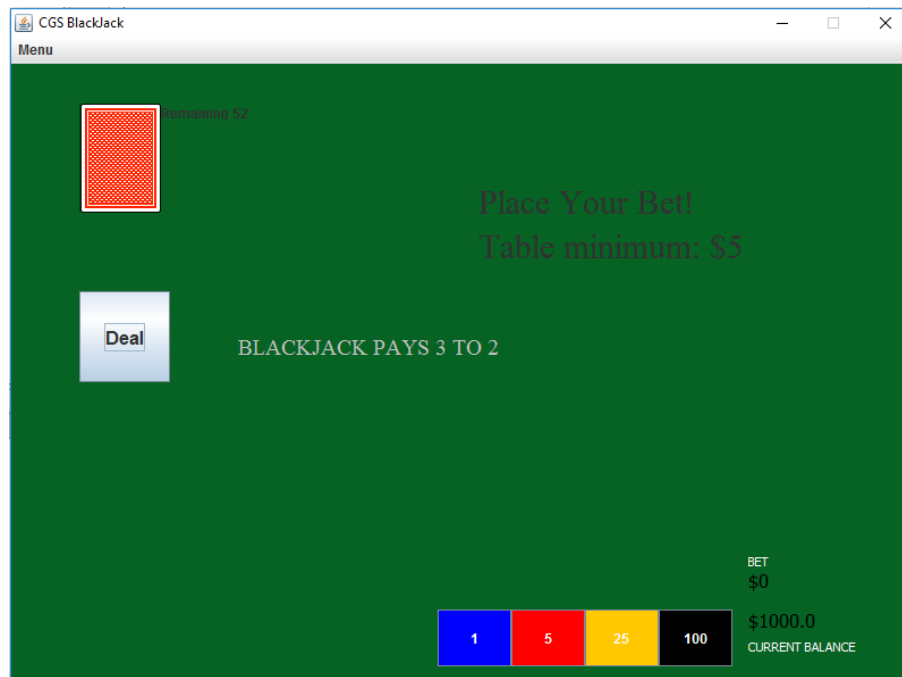
Card Values: Aces can have a value of either one or eleven. Face cards are worth 10, and all other cards are worth their face value.

You will start with a \$1,000 bank balance for each new game. Possible bet amounts are: \$1, \$5, \$25, and \$100.

The dealer and the player will be dealt two cards: one up, one down. The player goes first. If you choose to “Hit”, you will receive another card. Continue to do this until you get 21 (or as close as possible without going over 21). If the value of your cards exceeds 21, it is a bust and the hand is over. If you choose to “Stand”, the dealer must hit if the dealers hand value is less than 17. In the case of a tie, the dealer wins.

In P.A.C.E Black Jack, you have the option to “split” your hand if you are initially dealt two of the same cards. Your bet is doubled and you will receive two more cards to form two separate hands. The basic rules still apply for each hand.





*Figure 4 - The Blackjack Table*

If your initial hand has a ten-card and an ace, and the dealer's hand does not, you automatically win the hand! This is called "Blackjack".

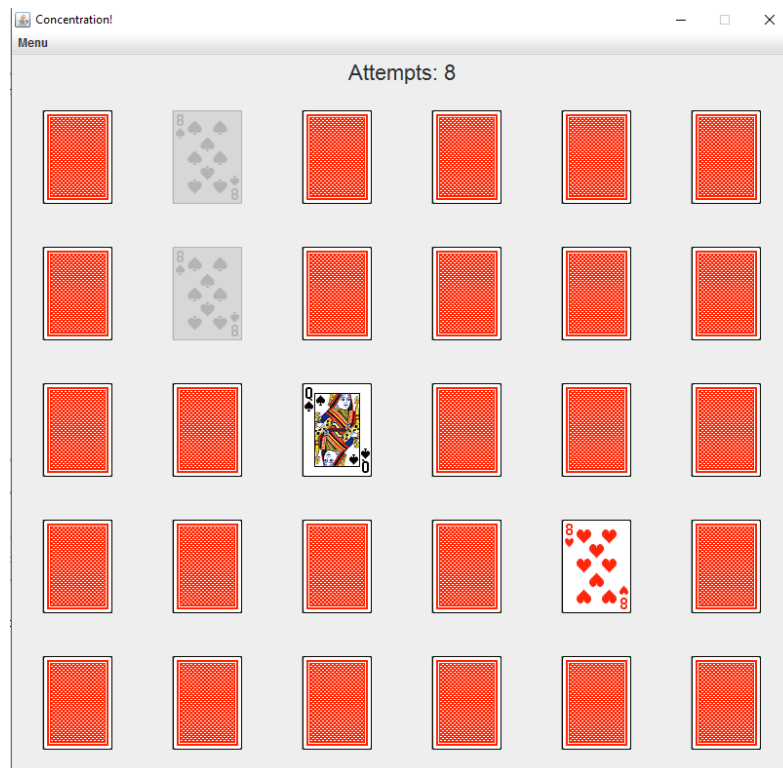
## CONCENTRATION

### *The Objective*

The object of Concentration is to turn over pairs of matching cards. There is no AI opponent in a game of Concentration.

### *How to Play*

Concentration is played with 30 cards (15 pairs). To play, click on any two cards. If the two cards match, they will be highlighted in gray. If they do not, they will flip back over. Continue until you have matched all 15 pairs. See if you can beat your high score by matching all pairs in the least number of moves!



*Figure 5 - Concentration Board*

## HIGH OR LOW

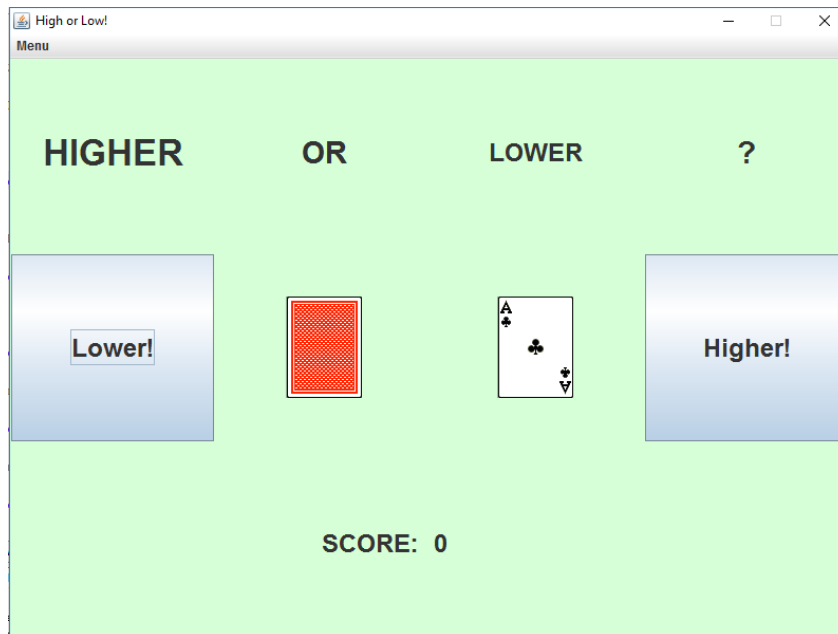
### *The Objective*

The objective of High or Low is to guess whether the next card is higher or lower than the current face up card. There is no AI opponent in a game of High or Low.

### *How to Play*

Card Rank, from the highest to the lowest: Ace, K, Q, J, 10, 9, 8, 7, 6, 5, 4, 3, 2

High or Low is played with 52 cards. Guess whether the next card is higher or lower than the current face up card. If the next card is equal to the current card, it is counted as a wild and you get the point! Can you score a perfect 51?



*Figure 6 - High or Low*

## THIRTY-ONE

### *The Objective*

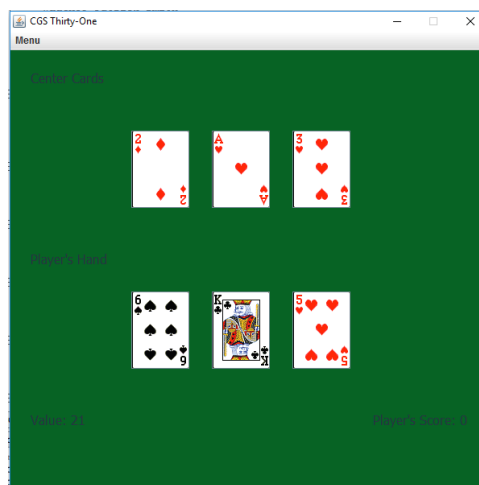
The objective of Thirty-One is to obtain a hand with a value as close as possible to 31 in the same suit. In P.A.C.E Card Game Studio, your AI opponent is customized to be a random player.

### *How to Play*

Card values: Aces are worth 11, face cards are worth 10, and all other cards are worth their face value.

Both players are dealt a hand of 3 cards. When it is your turn, you may choose to pick up from either the stock pile or the discard pile, and then choose a card to discard. At the start of any turn, if you believe you have a winning hand, you may choose to “knock” instead of drawing a card. Your opponent will then have one more chance at picking up and discarding before the hand is scored.

If you have 31, or the closest to 31 without going over, in the same suit...you win!



*Figure 7 - Thirty-One Table*

## SOLITAIRE

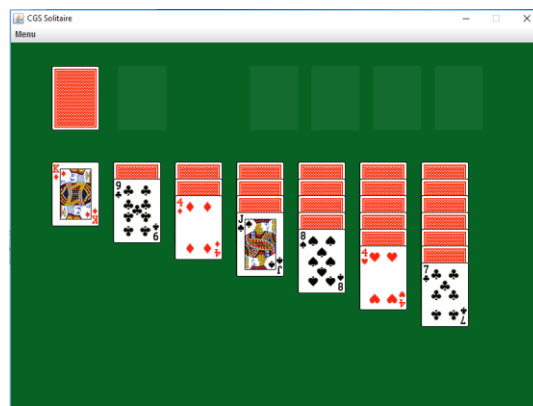
### *The Objective*

The objective of Solitaire is build four foundation piles: one for each suit, from the lowest to the highest. In P.A.C.E Card Game Studio, Solitaire is a single player game.

### *How to Play*

Card Rank, from the highest to the lowest: K, Q, J, 10, 9, 8, 7, 6, 5, 4, 3, 2, Ace

P.A.C.E Card Game Studio automatically sets up the same as shown below:



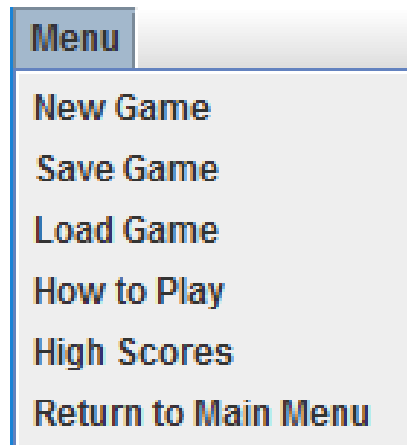
*Figure 8 - Solitaire Table*

You may start the foundation piles as soon as you uncover the ace of a suit. Continue rearranging the cards, moving only the face up cards. Cards in the columns must be in descending order and must alternate between black and red. As play continues, you may move a card to a foundation pile if it is the next card (in rank order). When you run out of moves, you can use the reserve deck. Three cards will be dealt from the reserve deck and you must use them in order.

Build all four foundation piles to win the game!

## IN-GAME MENUS

Every game in the P.A.C.E Card Game Suite has the same menu.



*Figure 9 - In-game menu*

### Menu Options

#### *New Game*

It's simple enough! Click on "New Game" in any game window to start a new game.

#### *Save Game*

Clicking on "Save Game" will save your current game. Keep in mind that you can only have one saved state for each game in the P.A.C.E Card Game Suite.

#### *Load Game*

Clicking on "Load Game" will load the most recently save game. Keep in mind that you can only have one saved state for each game in the P.A.C.E Card Game Suite.

### ***How to Play***

Clicking on “How to Play” will display the basic rules of the game you are currently playing.

### ***High Scores***

Clicking on “High Scores” will display the list of your high scores for the game you are currently playing. To see your high scores for another game, access this menu option within that game window.

### ***Return to main menu***

Clicking on “Return to main menu” will close the current game screen and return to the main menu. Clicking on the “X” in the upper right corner will also close the current game screen and return to the main menu.

## **CONTACT US**

For more information or to report a bug, please contact us at [PACE@notarealemail.com](mailto:PACE@notarealemail.com).