

Card Game Testing

NOTE: ALL TESTS DONE FROM STEP 2 ONWARDS INVOLVED SHUFFLED DECKS AND SO THE RESULTS BECOME RANDOMISED FROM ONE SET OF TESTS TO THE NEXT.

Step: Adding values to deck

What is the test?	Data entered	Expected result	Actual result	Comment
Does the specified card have a value?	No data entered. The ace of spades card is being used.	Ace of spades is mycard and as ace has a self.number of "Ace". The mycard._value should = 1	mycard value is 1	Test passed
Does the program print the value of mycard?	No data entered. This tests to see if the value is correctly applied in an if statement	1 Will be printed in terminal as its value is 1	1 Is printed in terminal as its value is 1	Test passed
Does the program print the name and suit of mycard?	No data entered. The ace of spades card is being printed as the variable mycard for testing purposes	Ace of Spades Will be printed in terminal as that is how the cards should be represented	Ace of Spades Is printed in terminal as mycard	Test passed

Step 2: Shuffling deck

What is the test?	Data entered	Expected result	Actual result	Comment
Does the program display all the cards in the deck?	No data entered, test for ShowTheDeck function	Deck is displayed as stored in a list	Deck displayed as stored in a list	Test passed
Does the program rearrange the card objects in the deck list?	No data entered ShuffleTheDeck will simply rearrange the order of objects in mydeck.cards	Objects in mydeck.cards will be in a different order	Objects have been re-arranged.	Test passed

Does the program display the shuffled deck?	No data entered, test for the ShowTheDeck function	The deck will be displayed as stored in a list however will be rearranged from the initial one.	The deck has been displayed as stored in a list however it has been rearranged from the initial one.	Test passed
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Step 3: From Deck to hand

What is the test?	Data entered	Expected result	Actual result	Comment
Is the object self.handvalue worth zero when starting a game?	No data entered The object is being tested	Before cards have been added to myhand.handvalue, myhand.handvalue will = 0	Before cards have been added to myhand.handvalue, myhand.handvalue = 0	Test passed
Is the object self.cards empty when starting a game?	No data entered The object is being tested	Before cards have been added to myhand.cards myhand.cards will be empty	Before cards have been added to myhand.cards, myhand.cards is empty	Test passed
Does the popped card from my deck get appended to myhand.cards?	No data entered Object is being tested	The popped card from deck will be shown in the myhand.cards	The popped card from deck is shown in the myhand.cards Ace of Hearts	Test passed
Does the popped card from my deck have its value added to myhand.handvalue	No data entered Object is being tested	The popped cards value from deck will be added to the myhand.handvalue	The popped card from deck is added to myhand.handvalue 1	Test passed
Does the program print out the two cards that have been popped from the deck and appended to the myhand.cards object?	No data entered Object is being tested	Final output should show my hand	Final output shows Queen of Diamonds and Jack of diamonds	Test passed

Does the program print out the sum of the card values that have been popped from the deck and added to the myhand.handvalue object?	No data entered Object is being tested	Final output should show the value of a queen and a jack which is 20	Final output shows that my hand is now worth 20	Test passed
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Step 4: More Hands

What is the test?	Data entered	Expected result	Actual result	Comment
Does the popped card from my deck get appended to otherhand.cards ?	No data entered Object is being tested	The popped card from deck will be shown in the otherhand.cards	The popped card from deck is shown in the otherhand.cards Ace of Hearts	Test passed
Does the popped card from my deck have its value added to otherhand.hand value	No data entered Object is being tested	The popped cards value from deck will be added to the otherhand.hand value	The popped card from deck is added to otherhand.hand value 1	Test passed
Does the program print out the two cards that have been popped from the deck and appended to the otherhand.cards object?	No data entered Object is being tested	Final output should show my hand	Final output shows King of Diamonds and Ten of Spades	Test passed
Does the program print out the sum of the card values that have been popped from the deck and	No data entered Object is being tested	Final output should show the value of a king and a ten which is 20	Final output shows that my hand is now worth 20	Test passed

added to the otherhand.hand value object?				
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