

COMP4004 - Assignment 1 - Equivalency classes

Group 1: Testing Strategy

EC1: Straight or better (Exchange none)	<ul style="list-style-type: none">- testRoyalFlushExchangesNoCards- testStraightFlushExchangesNoCards- testFourOfAKindExchangesNoCards- testFullHouseExchangesNoCards- testFlushExchangesNoCards- testStraightExchangesNoCards
EC2: One away (Exchange 1)	<ul style="list-style-type: none">- testOneAwayFromRoyalFlushExchangesOneCard- testOneAwayFromStraightFlushExchangesOneCard- testOneAwayFromFullHouseExchangesOneCard- testOneAwayFromFlushExchangesOneCard- testOneAwayFromStraightExchangesOneCard
EC3: Three of the same suit (Exchange 2)	<ul style="list-style-type: none">- testThreeOfTheSameSuitExchangesTwoCards
EC4: Three cards in sequence (Exchange 2)	<ul style="list-style-type: none">- testSequenceOfThreeExchangesTwoCards
EC6: One pair (Exchange 3)	<ul style="list-style-type: none">- testPairExchangesThreeCards
EC7: Keep 2 highest cards (Exchange 3)	<ul style="list-style-type: none">- testKeepTwoHighestRankedCardsExchangesThreeCards

*** Note: Not testing three of a kind or two pair as this case is covered by testOneAwayFromFullHouse

Group 2: Testing Hand Comparison

EC1: Suit Rankings	<ul style="list-style-type: none">- testSpadesBeatsHearts- testSpadesBeatsDiamonds- testSpadesBeatsClubs- testHeartsBeatsDiamonds- testHeartsBeatsClubs- testDiamondsBeatsClubs
EC2: Hand Ranking	<ul style="list-style-type: none">- testRoyalFlushBeatsStraightFlush- testRoyalFlushBeatsFourOfAKind- testStraightFlushBeatsFourOfAKind- testStraightFlushBeatsFullHouse- testFourOfAKindBeatsFullHouse

	<ul style="list-style-type: none"> - testFourOfAKindBeatsFlush - testFullHouseBeatsFlush - testFullHouseBeatsStraight - testFlushBeatsStraight - testFlushBeatsThreeOfAKind - testStraightBeatsThreeOfAKind - testStraightBeatsTwoPair - testThreeOfAKindBeatsTwoPair - testThreeOfAKindBeatsPair - testTwoPairBeatsPair - testTwoPairBeatsHighCard - testPairBeatsHighCard
EC3: Same rank, highest card	<ul style="list-style-type: none"> - testHighestStraightFlushWins - testHighestFourOfAKindWins - testHighestTripletCardInFullHouseWins - testHighestThreeOfAKindWins - testHighestCardInFlushWins - testHighestCardInStraightWins - testHighestPairInTwoPairWins - testHighestPairWins - testHighestHighCardWins

Group 3: Test Identifying Hands

EC1: Straight	<ul style="list-style-type: none"> - testAto5Straight - testMidRangeStraight - test10toAStraight
EC2: Flush	<ul style="list-style-type: none"> - testHeartsFlush - testDiamondsFlush - testSpadesFlush - testClubsFlush
EC3: Royal Flush	<ul style="list-style-type: none"> - testRoyalFlushWithHearts - testRoyalFlushWithDiamonds - testRoyalFlushWithSpades - testRoyalFlushWithClubs - test10toAStraightNotRoyal
EC4: Straight Flush	<ul style="list-style-type: none"> - testATo5StraightFlush - testMidRangeStraightFlush
EC5: Four of a kind	<ul style="list-style-type: none"> - testFourAces - testFourFours - testFourKings

EC6: Full House	<ul style="list-style-type: none"> - testThreeAcesTwoKings - testThreeKingsTwoAces - testThreeFivesTwoNines
EC7: Three of a kind	<ul style="list-style-type: none"> - testThreeJacks - testThreeSixes
EC8: Two pair	<ul style="list-style-type: none"> - testTwoAcesTwoFives - testTwoJacksTwoKings
EC9: Pair	<ul style="list-style-type: none"> - testPairOfAces - testPairOfSevens
EC10: High Card	<ul style="list-style-type: none"> - testArbitraryHighCardHand

Group 4: Boundary tests

EC1: Royal flush	<ul style="list-style-type: none"> - testHighestSuitRoyalFlushWins
EC2: Straight flush	<ul style="list-style-type: none"> - testHighestStraightFlushWins - testStraightFlushHighestSuitWins
EC3: Four of a kind	<ul style="list-style-type: none"> - testHighestFourOfAKindWins
EC4: Full house	<ul style="list-style-type: none"> - testHighestTripletInFHWins
EC5: Three of a kind	<ul style="list-style-type: none"> - testHighestTripletWins
EC6: Straight	<ul style="list-style-type: none"> - testHighestSuitedStraightWins - testHighestRankedStraightWins
EC7: Two pair	<ul style="list-style-type: none"> - testHighestSuitedTwoPairWins - testHighestRankedTwoPairWins
EC8: Pair	<ul style="list-style-type: none"> - testHighestRankedPairWins
EC9: High Card	<ul style="list-style-type: none"> - testHighestSuitedHighCardWins - testHighestRankedHighCardWins
EC10: Flush	<ul style="list-style-type: none"> - testSameRankedFlushHighestSuitWins - testSameFlushExcpetLowestOneCard - testSameFlushExcpetLowestTwoCard - testSameFlushExcpetLowestThreeCard - testSameFlushExcpetLowestFourCard