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| **Test Case#** | **Purpose of Test Case** | **Input Data** | **Expected Output** |
| 1 | Test default Date constructor. The default constructor should use the system’s recorded date to make a Date object. The isValid() method will be used to determine that the default constructor creates a valid date. | (No input) | isValid() returns true |
| 2 | Test parameterized Date constructor. A set of valid input data will be used to test that the date is correctly assigned and the isValid() method will be used to verify that this is a valid date. | “02/03/1984” | isValid() returns true |
| 3 | Test parameterized Date constructor. A series of dates with an invalid year will be used as an input to test if the program can correctly discern if a date is invalid. The isValid() method will be used to verify that the dates are incorrect. | “02/03/1899”  “02/03/2022” | isValid() returns false for all inputs |
| 4 | Test parameterized Date constructor. A series of dates with an out of bounds month will be used as an input to test if the program can correctly discern if a date is invalid. The isValid() method will be used to verify that the dates are incorrect. | “00/12/2000”  “13/12/2000” | isValid() returns false for all inputs |
| 5 | Test parameterized Date constructor. A series of dates with an out of bounds day will be used as an input to test if the program can correctly discern if a date is invalid. The isValid() method will be used to verify that the dates are incorrect. | “01/00/2000”  “01/32/2000” | isValid() returns false for all inputs |
| 6 | Test parameterized Date constructor. A series of dates that includes the 31st day will be used as an input to test if the program correctly tracks which months should have 31 days as opposed to 30 days. The isValid() method will be used to verify if the dates are correct or not. | “01/31/2000”  “12/31/2000”  “04/31/2000”  “09/31/2000” | isValid() returns true for the first two inputs  isValid() returns false for the second two inputs |
| 7 | Test parameterized Date constructor. A series of dates on February 29th will be tested to verify the program correctly identifies valid leap years. The isValid() method will be used to verify if the dates tested belong to a leap year. | “02/29/2000”  “02/29/2020”  “02/29/2001”  “02/29/1900” | isValid() returns true for the first two inputs  isValid() returns false for the second two inputs |