| Class name: Artist  Method signature: public int compareTo(Artist otherArtist){}  //Compare the names of the artists then date of birth | | | |
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| Test Case # | Requirement | Test Description and Input Data | Expected Result/Output |
| 1 | The method shall return -1 if the Artist object calling the method has a name that comes before the otherArtist | * Create two instances of Artist, one with a name that comes before and the other with a name that comes after * Test Data   + Name of artist1: “Jacky Smalls”   + Name of artist2: “Yasmine Ahmed * Artist 1 calls compareTo | -1 |
| 2 | The method shall return 1 if the Artist object calling the method has a name that comes after the otherArtist | * Create two instances of Artist, one with a name that comes before and the other with a name that comes after * Test Data   + Name of artist1: “Jacky Smalls”   + Name of artist2: “Yasmine Ahmed * Artist 2 calls compareTo | 1 |
| 3 | The method shall return -1 if the Artist object calling the method has the same name as the otherArtist but an earlier birth date | * Create two instance of Artist with the same name but one with a birthdate that comes before and the other with a birthdate that comes after * Test Data   + Birth date of artist1: 10/30/1990   + Birth date of artist3: 7/23/2020 * Artist 1 calls compareTo | -1 |
| 4 | The method shall return 1 if the Artist object calling the method has the same name as the otherArtist but a later birth date | * Create two instance of Artist with the same name but one with a birthdate that comes before and the other with a birthdate that comes after * Test Data   + Birth date of artist1: 10/30/1990   + Birth date of artist3: 7/23/2020 * Artist 3 calls compareTo | 1 |
| 5 | The method shall return 0 if the Artist object has the same name as the otherArtist and the same birth date | * Create two instances of Artist with the same name and same birth date * Test Data   + Artist1     - Name: “Jacky Smalls”     - Birth date: 10/30/1990   + Artist1 Duplicate     - Name: “Jacky Smalls”     - Birth date: 10/30/1990 * Either Artist can call compareTo | 0 |

| Class name: Date  Method signature: public boolean isValid()  //Determines if a date is valid or not | | | |
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| Test Case # | Requirement | Test Description and Input Data | Expected Result/Output |
| 1 | The method returns false if the year is less than 1900 | Create an instance of Date with valid month and day but with a year < 1900   * Test data: 10/10/1899 | false |
| 2 | The method returns false if the date is in the future | Create an instance of Date that is a future date   * Test data: 7/7/2025 | false |
| 3 | The method returns false if the year is not a leap year and the month is february and the day is 29 | Create an instance of Date where the year is not a leap year, the month is february, and the day is the 29th   * Test data: 2/29/2021 | false |
| 4 | The method returns true if the year is a leap year and the month is february and the day is 29 | Create an instance of Date where the year is a leap year, the month is february, and the day is the 29th   * Test data: 2/29/2020 | true |
| 5 | The method returns false if the day is less than 1 | Create an instance of Date where the year and month is valid but the day < 1   * Test data: 2/0/2021 | false |
| 6 | The method returns false if the month is greater than 12 | Create an instance of Date where the year and day are valid but the month > 12   * Test data: 13/1/2023 | false |
| 7 | The method returns false if the month is less than 1 | Create an instance of Date where the year and day are valid but the month < 1   * Test data: 0/1/2023 | false |