

Java class/method name being tested:Date class, isValid() method

Test case #	Requirement	Test description and input data	Expected result/output
1	Method should not accept any date that does not exist in the calendar such as negative numbers	<ul style="list-style-type: none">• Creates an instance of date with valid day and year but incorrect month• Test data: -1/12/2000	false
2	Method should not accept any date that does not exist in the calendar such as a 0 month	<ul style="list-style-type: none">• Creates an instance of date with valid day and year but incorrect month• Test data: 0/12/2000	false
3	Method should not accept any date that does not exist in the calendar such as a 13th Month	<ul style="list-style-type: none">• Creates an instance of date with valid day and year but incorrect month• Test data: 13/12/2000	false
4	Method should not accept any date that does not exist in the calendar such as a 0 day	<ul style="list-style-type: none">• Creates an instance of date with valid day and year but incorrect month• Test data: 12/0/2000	false
5	Method should not accept any date that does not exist in the	<ul style="list-style-type: none">• Creates an instance of date with valid day	false

	calendar such as a negative day	and year but incorrect day <ul style="list-style-type: none"> • Test data: 12/-1/2000 	
6	Method should not accept any date that does not exist in the calendar such as a day > 31	<ul style="list-style-type: none"> • Creates an instance of date with valid day and year but incorrect day • Test data: 12/32/2000 	false
7	Method should not accept any date that does not exist in the calendar such as a 0th year	<ul style="list-style-type: none"> • Creates an instance of date with valid day and month but incorrect year • Test data: 12/31/0000 	false
8	Method should accept a leap year that has a 29th day in february	<ul style="list-style-type: none"> • Creates an instance of date with valid month and day and leap year • Test data: 2/29/2000 	true
9	Method should accept a valid date (one of the test cases in the provided txt file)	<ul style="list-style-type: none"> • Creates an instance of date with valid month and day and leap year • Test data: 9/29/2022 	true
10	Method should accept a valid date(one of the test cases in the provided txt	<ul style="list-style-type: none"> • Creates an instance of date with valid month and day and 	true

	file)	leap year • Test data: 3/30/2023	
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Java class/method name being tested: Member class, compareTo() method

Test case #	Requirement	Test description and input data	Expected result/output
1	Method should accept an inputted member and compare it to the member who calls the compareTo method and returns -1 if the inputted member comes before the caller and returns 1 if the input member comes after the caller.	<ul style="list-style-type: none"> Creates an instance of members Test data: Caller: "Brandon Yuen" Input: "Lily Chang" 	-1
2	Method should accept an inputted member and compare it to the member who calls the compareTo method and returns -1 if the inputted member comes before the caller and returns 1 if the input member comes after the caller.	<ul style="list-style-type: none"> Creates an instance of members Test data: Caller: "Lily Chang" Input: "Brandon Yuen" 	1
3	Method should accept an inputted member and compare it to the member who calls the compareTo method and returns -1 if the inputted	<ul style="list-style-type: none"> Creates an instance of members Test data: Caller: "Bob May" Input: "Amanda" 	-1

	member comes before the caller and returns 1 if the input member comes after the caller.	Long"	
4	Method should accept an inputted member and compare it to the member who calls the compareTo method and returns -1 if the inputted member comes before the caller and returns 1 if the input member comes after the caller.	<ul style="list-style-type: none"> Creates an instance of members Test data: Caller: "Amanda Long" Input: "Bob May" 	1
5	Method should accept an inputted member and compare it to the member who calls the compareTo method and returns -1 if the inputted member comes before the caller and returns 1 if the input member comes after the caller. (both have same last name they are compared with their first name)	<ul style="list-style-type: none"> Creates an instance of members Test data: Caller: "Amanda Long" Input: "Bob May" 	-1
6	Method should accept an inputted member and compare it to the member who calls the	<ul style="list-style-type: none"> Creates an instance of members Test data: Caller: "Amanda 	1

	<pre>compareTo method and returns -1 if the inputted member comes before the caller and returns 1 if the input member comes after the caller.(both have same last name they are compared with their first name)</pre>	<pre>May" • Input: "Bob May"</pre>	
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