

Test bed main test cases CS213 Project\_1: harsh\_patel, samirroshan

class name: Date method signature: public boolean isValid() {} //check if a given date is a valid calendar date			
Test Case #	Requirement	Test description and Input data	Expected result/output
1	Method shall return false because non-leap year has only 28 days	Create an instance fo Date with a date in a non-leap year > 28 Test input: 2/29/2011	false
2	Method shall return true because a leap year has 29 days	Create an instance fo Date with a date in a leap year Test input: 2/29/2016	true
3	Method shall return false because range of month must be 1-12	Create an instance fo Date with month out of range Test input: 13/22/2019	false
4	Method shall return false because valid day range for months like april,june,sep,nov: 1-30	Create an instance fo Date with day 31 Test input:4/31/2005	false
5	Method shall return true because valid day range for months other than april,june,sep,nov: 1-31"	Create an instance fo Date with day 31 Test input:5/31/2004	true
6	Method shall return false because with negative month	Create an instance fo Date with negative month Test input:-7/31/2009	false
7	Method shall return false because with negative year	Create an instance fo Date with negative year Test input:4/30/-2011	false

8	Method shall return false because with negative year	Create an instance fo Date with negative day Test input: 6/-12/2012	false
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class name: Student method signature: public int compare(student o) {} //return comparison value of student objects based on profile, major, and creditcompleted			
Test Case #	Requirement	Test description and Input data	Expected result/output
1	Method shall return 9 because comparing s1 with s2: should be s1 > s2 because first comparison made with last name	Create an instance fo Student with <pre>Student s1 = new Student("morris", "John", new Date("2/22/2002"), Major.EE, 32); Student s2 = new Student("doe", "John", new Date("7/6/2002"), Major.CS, 33);</pre> Test input: s1.compareTo(s2);	9
2	Method shall return -2 because comparing s3 with s4: should be s3 < s4 because last name same and second comparison made with first name	Create an instance fo Student with <pre>Student s3 = new Student("Brooks", "Joy", new Date("8/8/1999"), Major.BAIT, 77); Student s4 = new Student("Brooks", "Lindsey", new Date(), Major.CS, 44);</pre> Test input: s3.compareTo(s4);	-2

3	<p>Method shall return 0 because comparing s5 with s6: should be s5 == s6 because same objects</p>	<p>Create an instance for Student with</p> <pre>Student s5 = new Student("Kate", "Lindsey", new Date("7/16/2002"), Major.ITI, 55); Student s6 = new Student("Kate", "Lindsey", new Date("7/16/2002"), Major.ITI, 55);</pre> <p>Test input: s5.compareTo(s6);</p>	0
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