

Class name: Date

Method signature: public boolean isValid(){} //check if a given date is a valid calendar date4

Test Case #	Requirement	Test Description and Input Data	Expected result/output
1	There are 28 days in February in a non-leap year. This method will return false for a date that has more than 29 (or more) days in a non-leap year	<ul style="list-style-type: none">- Create instance of date with month = 2, day = 29, on a non-leap year- Test Data: "2/29/2011"	false
2	There are 29 days in February in a leap year. This method will return true for a date that has 29 days in the month of February in a leap year	<ul style="list-style-type: none">- Create instance of Date with month = 2 day = 29 on a leap year- Test Data: "2/29/2004")	true
3	The valid range for months is (1,12) inclusive. This method will return false if the month value is less than 1 or more than 12.	<ul style="list-style-type: none">- Create instance of date with a valid day and year and an invalid month- Test Data: "13/01/2000"	false
4	The valid range for days is (1,31) inclusive. This method will return false for any date with a day value less than 1 or more than 31	<ul style="list-style-type: none">- Create instance of date with valid month and year, but an invalid day- Test data: "01/32/2000"	false
5	There cannot be a date with a year value less than 0. This method will return false for any date with a year value less than 0	<ul style="list-style-type: none">- Create an instance of date with a valid day and month, but an invalid year- Test data: "01//01/-1"	false
6	This method will return true for a date with a valid day, month, and year.	<ul style="list-style-type: none">- Create an instance of date with valid data- Test Data: "05/14/2003"	true
7	Some months should only be considered valid if there is between (1,30) days inclusive. This method will return false if a date has one of these months and 31 days.	<ul style="list-style-type: none">- Create an instance of date with 31 days, a month that only has 30 days, and a valid year- Test Data: "05/31/2000"	false

Class name: Event

Method signature: public boolean equals(){} //checks if two events have the same time, date, and location

Test Case #	Requirement	Test Description and Input Data	Expected result/output
1	This method will return true if the event in the operator references the current event.	<ul style="list-style-type: none">- Create an instance of an event with date = 10/10/2010, startTime = morning, location = arc103, contact(ee, ee@rutgers.edu), duration 60. Create another instance with the same information.	true
2	This method will return false if either the date, timeslot, location, contact, or duration are not equal among the events.	<ul style="list-style-type: none">- Create an instance of an event with date = 10/10/2010, startTime = morning, location = arc103, contact(ee, ee@rutgers.edu), duration 60. Create another instance of an event with date = 10/12/2010, startTime = afternoon, location = arc103, contact(iti, iti@rutgers.edu), duration = 30.	false
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