Laboratory 2: Cover Sheet	
Name	Date
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Laboratory 2: BlogEntry ADT

Place a check mark in the *Assigned* column next to the exercises your instructor has assigned to you. Attach this cover sheet to the front of the packet of materials you submit following the laboratory.

Activities	Assigned: Check or list exercise numbers	Completed
Implementation Testing	V	
Programming Exercise 1		
Programming Exercise 2		
Programming Exercise 3		
Analysis Exercise 1		
Analysis Exercise 2		
	Total	

Laboratory 2: Implementation Testing

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Check with your instructor whether you are to complete this exercise prior to your lab period or during lab.

Test your implementation of the Text ADT using the program in the file *test2.cpp*. This program supports the following tests.

Lab 2 Online Test Plans		
Test	Action	
2-1	Test the Date constructors	
2-2	Test the Date getters	
2-3	Test Date::isLeapYear	
2-4	Test Date::daysInMonth	
2-5	Test the << operator overloaded for Date	
2-6	Test the BlogEntry constructors	
2-7	Test the BlogEntry getters/setters	

Test Plan 2-1 (Date constructors)				
Test case Parameters Expected result Checke				
First legal date	1, 1, 1902			
Current date				
A future date				

Test Plan 2-2 (Date getters)			
Test case	Expected result	Checked	
Earliest legal date (January 1, 1902) Current date A future date	January 1, 1902		

Test Plan 2-3 (Date::isLeapYear)			
Test case	Parameters	Expected result	Checked
Normal leap year	2012	True	
Normal not a leap year	2009	False	
The multiple of 100 rule			
The multiple of 400 rule			
A future date			

Test Plan 2-4 (Date::daysInMonth)			
Test case	Parameters	Expected result	Checked
First month in year	1, 2010	31	
Last month in year	12, 2011	31	
A month with 30 days			
A leap-year February			
A non leap-year February			

Test Plan 2-5 (<< operator overloaded for Date)			
Test case	Date to be tested	Expected result	Checked

Test Plan 2-6 (BlogEntry constructors)				
Test case Parameters Expected result (
Default constructor	None			

Test Plan 2-7 (BlogEntry getters/setters)			
Test case	Current value or setter parameters	Expected result	Checked
getAuthor getContents getCreateDate getModifyDate			
setAuthor setContents			

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Laboratory 2: Programming Exercise 1

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Test Plan 2-8 (printHTML operation)		
Test case items	Values	Checked
Author value Contents Creation date Modification date		
Write Expected HTML output bel	ow	Correct?

Laboratory 2: Programming Exercise 2

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Test Plan 2–9 (getDayOfWeek)						
Test case Date to be tested Expected result Chec						
A Sunday A Wednesday A Saturday						

Laboratory	2:	BlogEntry	ADT
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Test Plan 2-10 (overloaded operators)				
Test case	The two dates	Expected result	Checked	
==	Jan 1, 2009 Jan 1, 2009	True		

atory 2: Analysis Exercise 1	
	Date
1	
Part A	
Design another operation for the BlogEntry ADT and give implement the operation, simply describe it.	re its specification below. You need not
Function prototype:	
Requirements:	
	Part A Design another operation for the BlogEntry ADT and giv implement the operation, simply describe it. Function prototype:

Results:

Part B

Describe an application in which you might you use your new operation.

Laboratory 2: Analysis Exercise 2

Name _	D	ate
	n	
	The BlogEntry class name suggests that it would be used by the Blog ADT, specifying data items, structure, and operatio prototype, any requirements, and the results.	
	Data Items	
	Structure	
	Operations	
	We provide one example operation to indicate the format and l	level of detail expected.
	BlogEntry& operator[](int entryNumber) throw (1
	Requirements: entryNumber must represent a valid entry.	10810_01101 /
	Results: Returns a reference to the specified blog entry.	