Lab 6

MailMessage Timing Worksheet
Due October 28th in class

NOTE: Please fill in the first column of this table at the beginning of lab (before you make any modifications to the MailMessage class). Fill in the second column after you have defined your StringList class and modified MailMessage to use StringList.	**Using Strings to hold contents of messages**	**Using StringLists to hold contents of messages**
1) Estimate (i.e., guess) how long (in seconds) it will take the computer to create 250 MailMessages each containing 50 lines.		
2) Create an instance of the TimeTrials class, set the menus appropriately, and click the "Time Message Creation" button to measure how long it actually takes to create 250 MailMessages each containing 50 lines. Click the button several times to see how the results vary and enter the smallest value you observe.		
3) Estimate how long it will take the computer to create 500 MailMessages each containing 50 lines.		
4) Use the TimeTrials class to measure how long it actually takes to create 500 MailMessages each containing 50 lines. As in step 2, click the button several times to see how the results vary and enter the smallest value you observe.		
5) Estimate how long it will take the computer to create 1000 MailMessages each containing 50 lines.		
6) Use the TimeTrials class to measure how long it actually takes to create 1000 MailMessages each containing 50 lines. Enter the smallest value you observe.		
7) Estimate how long it will take the computer to create 1000 MailMessages each containing 100 lines.		
8) Use the TimeTrials class to measure how long it actually takes to create 1000 MailMessages each containing 100 lines. Enter the smallest value you observe.		
9) Estimate how long it will take the computer to create 1000 MailMessages each containing 400 lines.		
10) Use the TimeTrials class to measure how long it actually takes to create 1000 MailMessages each containing 400 lines. Enter the smallest value you observe.		

NAMES: _____   LAB: MONDAY   TUESDAY

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