Overview

DateTest is a program created by Brett Schmidt for CSCI 234 intended to give the user the day’s current date to include the month, day, and year in the form of integers. The Date class is intended to provide the date in the form of a string for any usage a user may need.

### PROCESSING LOGIC

When the Date class is instanced, the constructor gets the current date from DateTime.Now and sets m\_Month, m\_Day, and m\_Year to the respective integers from DateTime.Now. Using the method getDate() the user is returned the current date in a string format. DisplayDate() calls getDate() and writes it into the command prompt.

### DATA (INPUT/OUTPUT)

DateTest

Holds the Date class and the Static main to test the Date class.

Date

Holds private integers m\_Month, m\_Day, and m\_Year, constructor that initializes the private integers to the appropriate integers, public string getDate() which returns the private integers in a formatted string representation of the date when the instance was constructed, and DisplayDate() which writes getDate() into the console.

### COMPONENTS (SOURCE CODE NAMES, CLASSES, METHODS)

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| --- |
| **DateTest** |
| +Class Date |
| +static Main(args[]) |

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| **Date** |
| -int m\_Month  -int m\_Day  -int m\_Year |
| +Date(): Constructor  +getDate(): string  +displayDate(): void |

### TESTING

Scenario 1 – Display today’s date

Steps to test:

1. Start program
2. Read prompt
3. Enter any key
4. Initial prompt clears and date is displayed
5. Enter any key to end program

Expected reaction:

Todays date: 11/6/2017 to be displayed in that format.

Actual result:

Today’s date was displayed in the correct format.

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