Logo

Description automatically generated

**22/SU-COP-2805C-72035 Java Programming**

**Exercise 10.14**

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Created By: Johnathan Webster

# Document Version Control

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# Document Purpose

The purpose of this document is to define the MyDate() class.

# Technical Specifications

## Purpose of Technical Implementation

The purpose of this implementation is to have a class named MyDate(). The class provides the user with the date the object was created.

## Technical Implementation Components

The class has three constructors. The first takes no arguments and will set the current date, (year, month, day) the class is called.

*MyDate*(){

        this.*year* = myDate.*get*(GregorianCalendar.*YEAR*);

        this.*month* = myDate.*get*(GregorianCalendar.*MONTH*);

        this.*day* = myDate.*get*(GregorianCalendar.*DAY\_OF\_MONTH*);

    }

The second constructor takes one argument. The provided argument will specify the elapsed time, in milliseconds, from the date January 1 1970.

*MyDate*(long mili){

        myDate.*setTimeInMillis*(mili);

    }

The third constructor takes three arguments. The arguments are year, month, and day respectively and will set the date the object was created to the specified date.

*MyDate*(int year, int month, int day){

        this.*year* = year;

        this.*month* = month;

        this.*day* = day;

    }

All other methods are getters and setters to access the date without needed to be a child of the parent class.

## MyDate Implementation

The implementation of this class allows the user to create a new instance of an object that will have its specified date of creation. The user is also able to adjust the date either by providing the elapsed time in milliseconds from the date January 1 1970 or my entering the year, month, and day respectively.