

**<22/SP-COP-2800-72035> Java Advanced**

**<Assignment 11-02>**

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# 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 the MyDate class is used to make an API call to store information of the current date or a specific date using an epoch timestamp.

## Technical Implementation Components

This class heavily uses the GregorianCalendar class from the Java utilities API. We have two constructors, one with an argument using a Long type that will be an epoch timestamp.

**Properties**

1. YEAR: displays the current year of the given epoch
2. MONTH: displays the current month of the given epoch
3. DAY\_OF\_MONTH: display the current day of the month of the given epoch

**Methods**

1. setDate(); here we can provide an epoch that will be used to display the date information from that epoch.
2. getDay(); get day property
3. getMonth(); get month property
4. getYear(); get year property

**Constructors**

The MyDate class is constructed with no arguments or one argument.

1. MyDate debug\_1 = new MyDate();
2. MyDate debug\_2 = new MyDate(34355555133101L);

## Technical Implementation Pseudocode

Create instance of the MyDate class with no arguments

Use the appropriate get method to display month, year, or date

Use the setDate method to specify an epoch timestamp

Create new instance of the GregorianCalendar class with an epoch timestamp

Use the appropriate get method to display month, year, or date

End