

MSiA 422 – Fall 2022

Homework # 5

DUE: 11/11/2022

Java OOP Exercise - Appointment Book

Write a java program to do the following:

- Implement a superclass **Appointment** and subclasses **Onetime**, **Daily**, and **Monthly**.
 - Each appointment has description, and dates info
 - Date info are as follow:
 - Onetime: The exact date (month/day/year)
 - Daily: (starting date and ending date)
 - Monthly: day, starting month and year, and ending month and year.
 - Give the user the ability to add new appointment. The user enters the appointment type, description, and date details.
 - Fill an array of appointment objects with a mixture of appointment types.
 - Provide a functionality to allow the user to save and load appointments into a text file. You should store all information about appointments.
 - Write a method **occursOn**(int year, int month, int day) that check whether the appointment occurs on that date.
 - Have the user enter a date and print out all appointments that occur on that date.
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- Document your work