

MSiA 422 – Fall 2018

Homework # 5

DUE: 11/24/2018

Java OOP Exercise - Appointment Book

Write a java program to do the following:

- Implement a superclass **Appointment** and subclasses **Onetime**, **Daily**, and **Monthly**.

the appointment superclass should be abstract

three subclasses inherited from the super class called appointment

- Each appointment has description, and dates info
- Date info are as follow:

and finally get a whole list which contains all your appointments of each type

three types of appointments

must implement the abstract method called occursOn

- Onetime: The exact date (month/day/year)
- Daily: (starting date and ending date)
- Monthly: day, starting month and year, and ending month and year.

each subclass should have a method called occurs on.

so for the last question, when you want to check appointments for each day, just call this method for each class.

- 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.

- Document your work