

COP2805C Module 2 Graded Assignment

For this assignment we will practice using concepts from Chapter 4 of our textbook (Core APIs).

Design and implement a Java class which represents an appointment. This class has the following attributes:

- A title (a short concise string representing the subject of the appointment)
- A description (a more verbose string describing the appointment)
- A contact - the scheduler of the appointment (see below)
- The appointment time (a `ZonedDateTime` as scheduled by the contact)
- A reminder time (a `ZonedDateTime`, e.g. X hours before the appointment, as specified by the contact). Hint: use the "minus" methods as described in Ch. 4 of the textbook to subtract a specific number of minutes, hours, days, etc from a `ZonedDateTime` in order to create the reminder.

The appointment class should include a main method which serves as a unit test to create a contact and an appointment and display it. **There is no user input used in this assignment!** Your unit test should create the necessary data with no intervention from the user.

A contact has the following attributes (in a class separate from the appointment class).

- name (StringBuilder in the form of last name, first name)
- an email address (String)
- phone number (String)
- a reminder preference - NONE, TEXT, or EMAIL (enum type)
- a timezone (ZoneId)

Your application must provide the following methods:

- display the appointment and contact information in an easy-to-read format

All code should be saved in a single .java file; only the appointment class should be declared public.

Submit your solution to your forked GitHub repo and share the repo link with your instructor.

Sample output is shown here:

Appt:

Title: Test Appointment

Desc: This is a test appointment

Contact: JohnSmith@email.com,(Smith, John)904-555-1212,EMAIL,America/New_York

Appt Date/Time: 2023-07-22T22:18:26.465531500-04:00[America/New_York]

Reminder: 2023-07-22T10:18:26.465531500-04:00[America/New_York]