

COP3330C Module 2 Graded Programming 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.

Be sure to include a 4-line ID header at the top of your source file.

Include a package statement with the following name: **edu.fscj.cop3330c.calendar**.

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 GitHub classroom repo. Submit only the Java source code file, be sure to retain your project folder structure so I can clone it and build it.

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]