Term Project: Iteration 2 – Basic Application

(Fall 2023)

Project Description:

In this iteration, we will develop a rudimentary version of the application using only the terminal (or the terminal emulator in your IDE). This application will read contact and event data from a .json file and present the user with a menu containing options for viewing contacts, viewing events, updating the last point of communication with a contact, and associating action items with an event. Other features (e.g. calculating item inventories) will not be addressed in this iteration.

Instructions:

Create an application that fulfills the following requirements:

- Reads contact and event data from the two .json files provided for this iteration: **contacts.json** and **events.json**, which can be found in the Iteration 2 Assignment Dropbox along with this document.

- Uses the data from the aforementioned .json files to produce objects for each contact and each event, with appropriate attributes as follows:

  - Contact: First name, last name, user ID (unique identifier), email address, department, job title, phone number, building, and post office box.

  - Event: Event name, event ID (unique identifier), event date, start time, location, and duration.

- Interacts with the user via a terminal menu (i.e. options, input, and output handled in the terminal / emulator) in which the user can access the following features:

  - View a list of contacts (and access all information pertaining to those contacts).

  - View a list of events (and access all information pertaining to those events).

  - Input the last date of communication for a contact.

  - Associate any number of action items with a given event.

As long as your code fulfills these requirements, you may implement it however you choose, within reason. This assignment is intentionally open-ended, as I want you to consider how you would go about creating a solution, rather than adhering strictly to a given format or output.

Deliverables:

Once you have completed your application, place all necessary files into a .zip file named "userid_iteration_2.zip" where "userid" is your Tech username. For example, "jstrickler_iteration_2.zip." Submit the .zip file to the Iteration 2 dropbox in iLearn. Make sure that all necessary files are included with your program and that it can be easily run by myself and/or the TAs.