Problem Statement: Event Management App - Insist

Pseudocode:

// Define Event class

class Event:

properties:

- name

- date

- location

- description

- attendees

// Define User class

class User:

properties:

- name

- email

- password

- events

// Define EventManagementApp class

class EventManagementApp:

properties:

- events

- users

methods:

- registerUser(user: User)

- createEvent(event: Event)

- updateEvent(event: Event)

- deleteEvent(event: Event)

- addUserToEvent(event: Event, user: User)

- removeUserFromEvent(event: Event, user: User)

// Register a new user

method registerUser(user: User):

users.add(user)

// Create a new event

method createEvent(event: Event):

events.add(event)

// Update an existing event

method updateEvent(event: Event):

// Find the event in the events list

// Update the event properties

// Delete an event

method deleteEvent(event: Event):

// Find the event in the events list

// Remove the event from the events list

// Add a user to an event

method addUserToEvent(event: Event, user: User):

// Find the event in the events list

// Find the user in the users list

// Add the user to the event's attendees list

// Remove a user from an event

method removeUserFromEvent(event: Event, user: User):

// Find the event in the events list

// Find the user in the users list

// Remove the user from the event's attendees list

// Create an instance of the EventManagementApp

app = new EventManagementApp()

// Register a user

user1 = new User("John", "john@example.com", "password")

app.registerUser(user1)

// Create an event

event1 = new Event("Conference", "2023-08-01", "Venue A", "A conference about technology")

app.createEvent(event1)

// Add a user to an event

app.addUserToEvent(event1, user1)

// Remove a user from an event

app.removeUserFromEvent(event1, user1)

// Delete an event

app.deleteEvent(event1)