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COMC2750 Exercise 1H

**Description:**

My company hosts an annual event that raises money for a charity. The event brings together tabletop and video game players to host panels and participate in competitions. To streamline the process of purchasing an attendance badge, the company sells attendance packages based on whether the attendant is hosting a panel or not, as well as other factors. Employees and guests get free admission to the event, and thus aren’t required to purchase a package. The company keeps information regarding employees and attendees. It keeps record of transactions for panel hosts and attendee badges. Lastly, it keeps information about guests that are invited to the event.

**Use Cases:**

As an employee, I want to add an employee.

As an employee, I want to add a guest.

As an employee, I want to add a sale.

As an employee, I want to add a package.

As an employee, I want to add an item.

As an employee, I want to get a list of guests.

As an employee, I want to get a list of attendees.

As an employee, I want to get a list of panelists.

As an employee, I want to get a list of sales.

As an employee, I want to get a list of sales by package type.

**Business transactions:**

Sale(saleId, saleDate, packageId, amountPaid)

**Transaction line items:**

Package(packageId, packageName, packageContents, packagePrice)

**Product or service related to a transaction:**

Item(itemId, itemName, itemDescript)

**Roles of people:**

Employee(personId, employeeId)

Attendee(personId, attendeeId, saleId)

Panelist(personId, panelistId, saleId)

Guest(personId, guestId)

**Place of transaction or service:**

**Noteworthy events:**

Panel(panelId, panelistId, panelName, panelDateTime)

**Physical objects:**

Person(personId, firstName, lastName, phoneNumber, eMail)

**Descriptions of things:**

**Catalogs:**

**Containers of other things:**

**Things in a container:**