6. A company requires a database to hold details of their staff who are allocated to roles at events hosted in a number of venues. The structure of the proposed database is shown below.

Staff
staffID
firstName
lastName
contactNumber
address
dateOfBirth

Role
roleID
roleName
description
hourlyRate

Event
eventID
venueID *
eventName

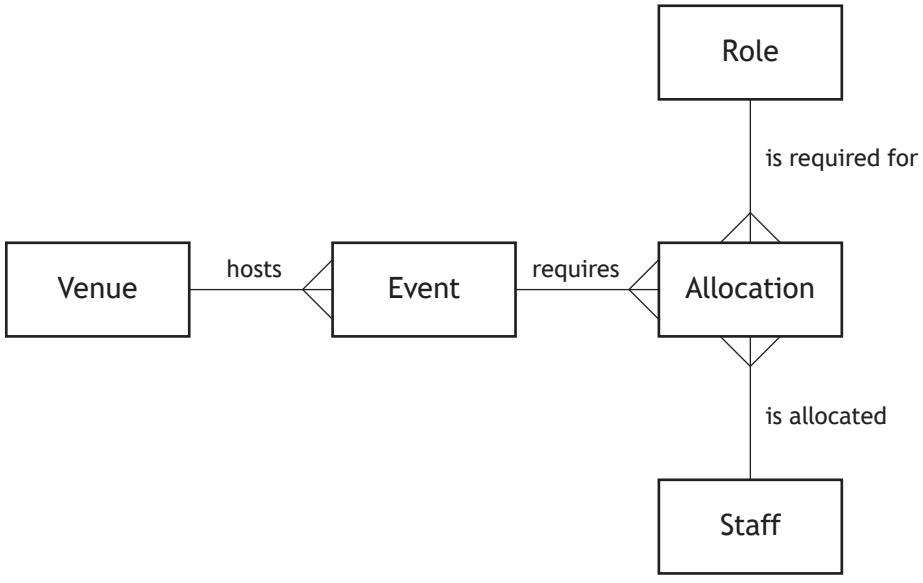
Venue
venueID
venueName
address

Allocation
staffID *
eventID *
roleID *
date
startTime
endTime

(a) The following constraints apply to the database:

- All events must be staffed, but not all staff will be allocated to an event.
- When staff are allocated to an event they are given a specific role, but not all roles are required for every event.
- An event is only added to the database if it has an associated venue, but venues may be added before they are used to host an event.

The incomplete entity-relationship diagram has been provided below.



Copy and complete the entity-relationship diagram. You should indicate:

- strong and weak entities
- relationship participation. **4**

(b) State one reason why the Allocation entity would benefit from the use of a surrogate key. **1**

MARKS

6. (continued)

(c) The data dictionary below shows details of the Event entity.

Entity: Event					
Attribute name	**Key**	**Type**	**Size**	**Required**	**Validation**
eventID	PK	Int		Yes	Auto increment
venueID	FK	Int		Yes	Existing venueID from Venue table
eventName		Varchar	25	Yes	

Complete the following SQL statement used to create the `Event` table.

```
CREATE Event(
     eventID int NOT NULL AUTO_INCREMENT,
     venueID int NOT NULL,
     eventName varchar(25) NOT NULL,
     _____________________________
     _____________________________
     );
```

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