Event Scheduling and Planning System

Store Entity.

The Store has several locations "multi value attribute" and each store has a name and unique number. Each store may sell many tickets.

Employee Entity.

We store each employee's social security number as unique number, salary, birthdate, age as 'derived attribute' and name as 'composite attribute'. each employee work for one store.

Tickets Entity.

We keep track of tickets each ticket has a tickets id as unique id and price.

Client Entity.

We also store each client's social security number as unique number, name and phone number. Each client must attend in the event time and each client may buy a lot of tickets from the store.

Event Entity.

Each event has event id as unique kay, location, date, name .to enter the event must have a ticket.

Event Type Entity.

Event type has a unique name and type like (football, film cinema, theater, wedding).

Performer Entity.

We also keep track of performer so we make a unique id and name. performer can be (singer, football player, actor).

Relationship

Buy: we make ternary relationship between client, ticket and store.

Work for:

Employee	Store
1	1
N	1
N	1

Sell:

Store	Ticket
1	N
1	1
1	N

Has:

Event	Ticket
1	N
1	1
1	N

Attend:

Event	Client
1	N
M	1
M	N

Have:

Event	Event type
1	1
N	1
N	1

Perform:

Performer	Event
1	N
M	1
M	N