Intercollegiate Athletic Database Tables

You will use the Intercollegiate Athletic database modules 2 to 5. This document describes the tables and relationships.

Table Description and Usage

The *EventRequest* table is the hub of the database. An event request represents an event scheduled at a facility. For example, a basketball game may be scheduled at the gymnasium. Events are sometimes scheduled several months in advance. Holding an event requires resources including personnel and equipment. Resources are assigned to specific locations of a facility. For example, guards may be required at the gates of the football stadium. The *EventPlan* table defines a plan for the setup, operation, and cleanup of an event. The *EventPlanLine* table contains the individual resources required in an event plan.

The Intercollegiate Athletic database supports the scheduling and operation of events. Customers initiate event requests with the Intercollegiate Athletic Department. The facility and date held are recorded on the event request. If an event request is denied, no additional action is taken. If an event request is approved, one or more event plans are made. Typically, event plans are made for the setup, operation, and clean up of an event. An employee is assigned to manage an event plan before the plan is executed. Initially, there may not be an assigned employee. An event plan consists of one or more event plan lines. In an event plan line, the resource, location, time, and number of resources (*EventPlanLine.Number*) are recorded.

Table Listings

Customer

custno	custname	address	Internal	contact	phone	city	state	zip
C100	Football	Box 352200	Yes	Mary Manager	6857100	Boulder	CO	80309
C101	Men's Basketball	Box 352400	Yes	Sally Supervisor	5431700	Boulder	CO	80309
C103	Baseball	Box 352020	Yes	Bill Baseball	5431234	Boulder	CO	80309
C104	Women's Softball	Box 351200	Yes	Sue Softball	5434321	Boulder	CO	80309
C105	High School Football	123 AnyStreet	No	Coach Bob	4441234	Louisville	CO	80027

Employee

empno	empname	department	email	phone
E100	Chuck Coordinator	Administration	chuck@colorado.edu	3-1111
E101	Mary Manager	Football	mary@colorado.edu	5-1111
E102	Sally Supervisor	Planning	sally@colorado.edu	3-2222
E103	Alan Administrator	Administration	alan@colorado.edu	3-3333

Facility

facno	facname
F100	Football stadium
F101	Basketball arena
F102	Baseball field
F103	Recreation room

Location

locno	facno	locname
L100	F100	Locker room
L101	F100	Plaza
L102	F100	Vehicle gate
L103	F101	Locker room
L104	F100	Ticket Booth
L105	F101	Gate
L106	F100	Pedestrian gate

ResourceTbl

resno	resname	rate
R100	attendant	$10.00
R101	police	$15.00
R102	usher	$10.00
R103	nurse	$20.00
R104	janitor	$15.00
R105	food service	$10.00

EventRequest

eventno	dateheld	datereq	facno	custno	dateauth	status	estcost	estaudience	budno
E100	25-Oct-2018	06-Jun-2018	F100	C100	08-Jun-2018	Approved	$5,000.00	80000	B1000
E101	26-Oct-2018	28-Jul-2018	F100	C100		Pending	$5,000.00	80000	B1000
E102	14-Sep-2018	28-Jul-2018	F100	C100	31-Jul-2018	Approved	$5,000.00	80000	B1000
E103	21-Sep-2018	28-Jul-2018	F100	C100	01-Aug-2018	Approved	$5,000.00	80000	B1000
E104	03-Dec-2018	28-Jul-2018	F101	C101	31-Jul-2018	Approved	$2,000.00	12000	B1000
E105	05-Dec-2018	28-Jul-2018	F101	C101	01-Aug-2018	Approved	$2,000.00	10000	B1000
E106	12-Dec-2018	28-Jul-2018	F101	C101	31-Jul-2018	Approved	$2,000.00	10000	B1000
E107	23-Nov-2018	28-Jul-2018	F100	C105	31-Jul-2018	Denied	$10,000.00	5000	

EventPlan

planno	eventno	workdate	notes	activity	empno
P100	E100	25-Oct-2018	Standard operation	Operation	E102
P101	E104	03-Dec-2018	Watch for gate crashers	Operation	E100
P102	E105	05-Dec-2018	Standard operation	Operation	E102
P103	E106	12-Dec-2018	Watch for seat switching	Operation	
P104	E101	26-Oct-2018	Standard cleanup	Cleanup	E101
P105	E100	25-Oct-2018	Light cleanup	Cleanup	E101
P199	E102	10-Dec-2018	Standard operation	Operation	E101
P299	E101	26-Oct-2018		Operation	E101
P349	E106	12-Dec-2018		Cleanup	E101
P85	E100	25-Oct-2018	Standard operation	Setup	E102
P95	E101	26-Oct-2018	Extra security	Setup	E102

EventPlanLine

PlanNo	LineNo	TimeStart	TimeEnd	NumberFld	LocNo	ResNo
P100	1	8:00	17:00	2	L100	R100
P100	2	12:00	17:00	2	L101	R101
P100	3	7:00	16:30	1	L102	R102
P100	4	18:00	22:00	2	L100	R102
P101	1	18:00	20:00	2	L103	R100
P101	2	18:30	19:00	4	L105	R100
P101	3	19:00	20:00	2	L103	R103
P102	1	18:00	19:00	2	L103	R100
P102	2	18:00	21:00	4	L105	R100
P102	3	19:00	22:00	2	L103	R103
P103	1	18:00	21:00	2	L103	R100
P103	2	18:00	21:00	4	L105	R100
P103	3	19:00	22:00	2	L103	R103
P104	1	18:00	22:00	4	L101	R104
P104	2	18:00	22:00	4	L100	R104
P105	1	18:00	22:00	4	L101	R104
P105	2	18:00	22:00	4	L100	R104
P199	1	8:00	12:00	1	L100	R100
P349	1	12:00	15:30	1	L103	R100
P85	1	9:00	17:00	5	L100	R100
P85	2	8:00	17:00	2	L102	R101
P85	3	10:00	15:00	3	L104	R100
P95	1	8:00	17:00	4	L100	R100
P95	2	9:00	17:00	4	L102	R101
P95	3	10:00	15:00	4	L106	R100
P95	4	13:00	17:00	2	L100	R103
P95	5	13:00	17:00	2	L101	R104

Primary and Foreign Keys

The primary and foreign keys are depicted in Figure 1. An event request is related to many (one or more) event plans but only one customer. An event plan contains many event plan lines but only one supervising employee. An event plan line references a resource and location. A facility has many locations, but a location is specific to a facility.
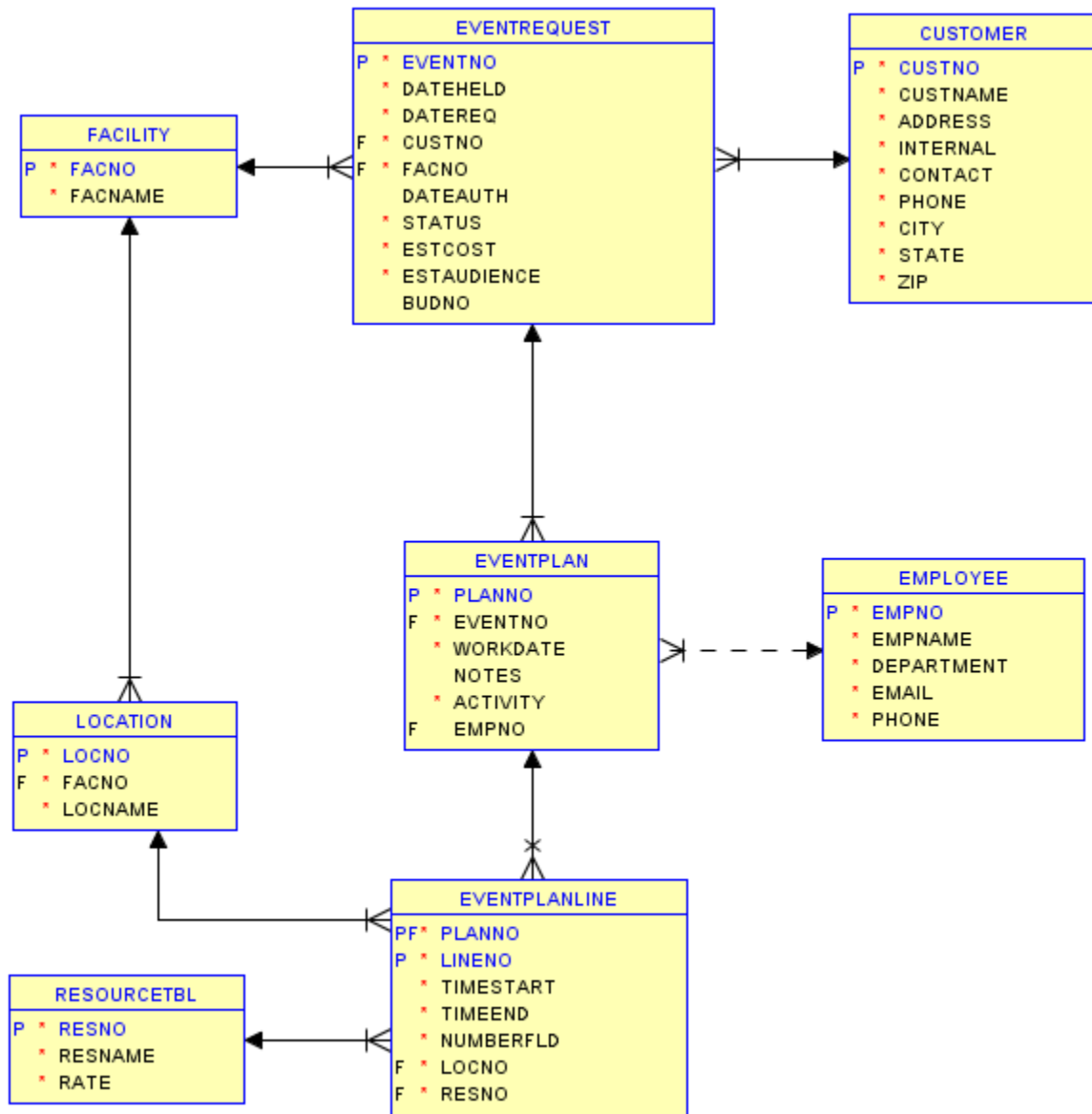

Figure 1: Oracle Relational Database Diagram for the Intercollegiate Athletic Database

All foreign key columns are required except for *EventPlan.EmpNo*. When a column is required, the user must enter a valid value according to the specified integrity rules (including referential integrity). For example when entering a new row in the *EventRequest* table, the user must know the customer number.