

System Design

Sunshine State University Scholarship Fund Database – Database Tables

James Clarke

Curt Ireton

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create table MemberCollege
(
College varchar(25),
Dept varchar(25)
constraint pk_college primary key(College));

create table CommitteeMember
(
EmpID varchar(4),
Lname varchar(25),
Fname varchar(25),
Phone numeric(14,0),
Ext numeric (3,0),
MailCode varchar(5),
OfficeNum char(10),
TermStart datetime,
TermEnd datetime,
College varchar(25),
EmpType varchar(10),
constraint pk_empid primary key(EmpID),
constraint fk_college foreign key(College) references
MemberCollege(College)
);

create table StudentApplication
(
SID varchar(10),
LName varchar(25),
FName varchar(25),
Address varchar(50),
ZipCode numeric(9,0),
MajorCode varchar(10),
Residency bit,
FullTime bit,
Graduate bit,
FinAidEligible bit,
CollegeCode varchar(10),
Rank varchar(25),
GPA numeric(3,2),
NumUnits numeric(3,0),
AddtlComments varchar(max),
constraint pk_StuApp_SID primary key(SID)
);

create table StudentAward
(
SID varchar(10),
AppYear numeric(4,0),
CurrentAmtAwarded numeric(10,2),
constraint pk_SID_AppYear primary key(SID,AppYear),
constraint fk_SID foreign key(SID) references StudentApplication(SID)
);

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create table Award
(
AwardName varchar(25),
TotalFundsAvail numeric(10,2),
Guidelines varchar(max),
Duration numeric(4,0),
NumofEligiblePeriods numeric(4,0),
Dept varchar(25),
College varchar(25),
InternalFunds bit,
UnitsReqd numeric(3,0),
MaxStudAmt numeric(10,2),
TuitionOnly bit,
constraint pk_AwardName primary key(AwardName),
);

create table IndAward
(
AwardNum varchar(10),
AwardName varchar(25),
Recipient varchar(25),
AwardAmt numeric(10,2),
constraint pk_AwardNum primary key(AwardNum),
constraint fk_AwardName foreign key(AwardName) references Award(AwardName)
);

create table Recommendations
(
AwardNum varchar(10),
SID varchar(10),
constraint pk_AwardNum_SID primary key(AwardNum,SID),
constraint fk_AwardNum foreign key(AwardNum) references
IndAward(AwardNum),
constraint fk_Rec_SID foreign key(SID) references StudentApplication(SID)
);

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CommitteeMember		
EmpID	varchar	10
LName	varchar	25
FName	varchar	25
Phone	numeric	14
Ext	numeric	3
MailCode	varchar	5
OfficeNum	varchar	10
TermStart	date	10
TermEnd	date	10
College	varchar	25
Dept	varchar	25
EmpType	varchar	25
Award		
AwardName	varchar	25
TotalFundsAvail	numeric	10
Guidelines	text	2.15E+09
Duration	numeric	4
NumofEligiblePeriods	numeric	4
Dept	varchar	25
College	varchar	25
InternalFunds	bit	1
UnitsReqd	numeric	3
MaxStudAmt	numeric	10
TuitionOnly	bit	1
UniWide	bit	1
AwardNum		
AwardNum	numeric() identity	6
AwardName	varchar	25
Recipient	varchar	10
AwardAmt	numeric	10,2
AwardDate	date	
Student		
SID	varchar	10
LName	varchar	25
FName	varchar	25
Address	varchar	25

City	varchar	25
State	varchar	25
ZipCode	numeric	9
CurrentAmtAwarded	numeric	10
StudentApp		
SID	varchar	10
AppYear	date	
MajorCode	varchar	10
Residency	bit	1
FullTime	bit	1
FinAidEligible	bit	1
GradDate	date	10
CollegeCode	varchar	10
Rank	varchar	25
GPA	numeric	3,2
NumUnitsComp	numeric	3
TuitionWaiver	bit	
AddtlComments	text	2.15E+09
Recommendations		
SID	varchar	10
AwardNum	numeric	6

CollegeCodeLookUp		
College	varchar	25
CollegeCode	varchar	10
DeptCodeLookUp		
Dept	varchar	25
DeptCode	varchar	10

AwardNumArchive		
AwardNum	numeric() identity	6
AwardName	varchar	25
Recipient	varchar	10
AwardAmt	numeric	10,2

AwardDate	date	

StudentAppArchive		
SID	varchar	10
AppYear	date	
MajorCode	varchar	10
Residency	bit	1
FullTime	bit	1
FinAidEligible	bit	1
GradDate	date	10
CollegeCode	varchar	10
Rank	varchar	25
GPA	numeric	3,2
NumUnitsComp	numeric	3
TuitionWaiver	bit	
AddtlComments	text	2.15E+09