| Create Table proj\_Model  (ModelNumber char(6) Primary Key,  ModelName varchar(100) Not Null,  ModelDescription varchar(100),  ModelPrice money); |
| --- |
| Create Table proj\_Person  (PersonID int identity(1,1) Primary Key,  PersonLastName varchar(100) Not Null,  PersonFirstName varchar(100) Not Null,  PersonPhone varchar(100) Not Null,  PersonType char(1) Not Null); |
| Create Table proj\_Toy  (ToySerialNumber char(10) Primary Key,  ToyModelNumber char(6) Not Null,  ToyOwnerID int,  ToyPricePaid money,  Foreign Key (ToyModelNumber) References proj\_Model (ModelNumber),  Foreign Key (ToyOwnerId) References proj\_Person (PersonID)); |
| Create Table proj\_ProblemType  (ProblemTypeID int Primary Key,  ProblemTypeDesc varchar(100)); |
| Create Table proj\_ProblemReport  (ProblemReportID int Primary Key,  ProblemReportDateOfReport datetime Not Null,  ProblemReportCompletionDate datetime,  ProblemReportProblemDesc varchar(100) Not Null,  ProblemReportInjuryDesc varchar(100),  ProblemReportSerialNumber char(10) Not Null,  ProblemReportProblemTypeID int Not Null,  ProblemReportReporterID int Not Null,  Foreign Key (ProblemReportSerialNumber) References proj\_Toy (ToySerialNumber),  Foreign Key (ProblemReportProblemTypeID) References proj\_ProblemType (ProblemTypeID),  Foreign Key (ProblemReportReporterID) References proj\_Person (PersonID)); |
| Create Table proj\_Test  (TestID int Primary Key,  TestDate datetime Not Null,  TestDesc varchar(200) Not Null,  TestResults varchar(200),  TestComplete char(1) Not Null,  TestTesterID int Not Null,  TestReportID int Not Null,  TestRelatedTestID int,  Foreign Key (TestTesterID) References proj\_Person (PersonID),  Foreign Key (TestReportID) References proj\_ProblemReport (ProblemReportID),  Foreign Key (TestRelatedTestID) References proj\_Test (TestID),  Constraint checkCompletion Check (TestComplete IN('Y', 'N'))); |

| **proj\_Model** |
| --- |
| **proj\_Person** |
| **proj\_Toy** |
| **proj\_ProblemType** |
| **proj\_ProblemReport** |
| **proj\_Test** |