**MEMBER**

bannerID int char(9)

memFName string varchar(25)

memMName string varchar(25)

memLName string varchar(25)

memEmail string varchar(50)

memPhoneNum string char(10)

memCollege string varchar(50)

memMajor string varchar(30)

memClass string varchar(8)

shirtSize string varchar(3)

memberStatus bit bit()

**DONATION**

donationID int int()

donationType string varchar(25)

receivedDate date date()

amount int int()

donatedFrom string varchar(50)

reason string varchar(255)

**PURCHASE**

purchaseID int int()

orderDate string date()

arrivalStatus boolean bit()

arrivalDate string date()

purchaseType string varchar(25)

quantityRequired int int()

quantityOrdered int int()

unitPrice double decimal()

puchasePriority int int()

orderDescription string varchar(50)

purchasedFrom string varchar(50)

orderName string varchar(25)

subteamName string varchar(25)\* ***Foreign Key***

partNumber int int() \* ***Foreign Key***

**SUBTEAM**

teamName string varchar(25)

parentTeam string varchar(25)

purpose string varchar(255)

joinDate date date()

bannerID\* int char(9) ***Foreign Key***

leaderID int char(9) ***Foreign Key***

**PROJECT**

projectName string varchar(25)

startDate string date()

dueDate string date()

completedDate string date()

projDesc string varchar(255)

projPriority int int() DOMAIN CONSTRAINT (1-10)

subteamName string varchar(25)\****Foreign Key***

assignDate date date()

leaderID int char(9)\****Foreign Key***

**PART**

partNumber int int() DOMAIN CONSTRAINT()

partName string varchar(25)

quantity int int()

category string varchar(25)

partLocation string varchar(25)

partManufacturer string varchar(25)

donationID int int()\****Foreign Key***

**M:M Relationships**

**WORKING\_ON (MEMBER to PROJECT)**

bannerID int char(9)

projectName string varchar(25)

startDate string date()

**RENT (MEMBER to PART)**

bannerID int char(9)

partNumber int varchar(15)

rentDate string date()

**USES (PROJECT to PART)**

projectName string varchar(25)

partNumber int varchar(15)

dateUsed***\**** string date() **(*add to ER Diagram*)**

**REQUIRES (SUBTEAM to PART)**

subteamName string varchar(25)

partNumber int varchar(15)

acquireDate string date()

**RECEIVES (SUBTEAM to DONATION)**

subteamName string varchar(25)

donationID int int()

receiveDate string date()