**Members** (memID, position, firstName, lastName, address, dateOfBirth)

memID – fixed string of 6 characters, and is the primary key

position – variable length string up to 20 characters, may not be null

firstName –variable length string up to 25 characters

lastName –variable length string up to 25 characters

address – variable length string up to 50 characters

dateofBirth – holds a date

**Membership** (memID, startDate, renewalDate)

memID – fixed string of 6 characters, and is a foreign key referencing Members

startDate – holds a date

renewalDate – holds a date

**Dogs** (dogID, dogName, trainingLevel, pedigreeName, breed, vaccination, microchipped, desexed)

dogID - fixed string of 6 characters, and is the primary key

dogName – variable length string up to 30 characters

trainingLevel – is an integer

pedigreeName – variable length string up to 15 characters

breed – variable length string up to 15 characters

vaccination – Boolean

microchipped – Boolean

desexed – Boolean

**DogOwnership** (memID, dogID)

memID – fixed string of 6 characters, and is a foreign key referencing Members

dogID - fixed string of 6 characters, and foreign key referencing Dogs

**Shows** (showID, showName, startDate, endDate, dogID, dogName, pedigreeName, breed, owner, firstName, LastName, results)

showID – fixed string of 6 characters, is the primary key

showName – variable string of up to 25 characters

startDate – holds a date

endDate – holds a date

dogID – fixed string of 6 characters, foreign key referencing Dogs

dogName –Foreign key referencing dogName in Dogs

pedigreeName – Foreign key referencing pedigreeName in Dogs

breed – Foreign key referencing breed in Dogs

owner - Foreign Key referencing memID in Members

firstName - Foreign Key referencing firstName in Members

lastName - Foreign Key referencing lastName in Members

results – variable length string of up to 150 characters

**Trainers** ( trainerID, memID, trainerPosition, salary)

trainerID – fixed string of 6 characters, and is a part of the primary key

memID – fixed string of 6 characters, is part of the primary key, and is a foreign key referencing Members

Salary – is an integer

**Class** (classID, className, trainerID, salary)

classID – is a fixed string of 5 characters, and is the primary key

className – a variable string of up to 20 characters

trainerID - fixed string of 5 characters, and is a foreign key referencing Trainers

salary – is an integer

**TrainingRecords** (sessionID, dogID, classType, trainingNotes)

sessionID – is a fixed string of 10 characters and is part of the primary key

dogID - fixed string of 6 characters, and is part of the primary key, and is a foreign key referencing Dogs

classType – is a variable string up to 15 characters

trainingNotes – is a variable string up to 150 characters

**Session** (sessionID, classID, grade, startTime, endTime, date)

sessionID – is a fixed string of 10 characters, is part of the primary key, and is a foreign key referencing TrainingRecords

classID – is a fixed string of 5 characters, is part the primary key, and is a foreign key referencing Class

grade – is a variable string up to 2 characters

startTime – holds a time

endTime – holds a time

date – holds a date

**Example Data**

**Members**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| ***memID*** | ***Position*** | ***firstName*** | ***lastName*** | ***address*** | ***dateOfBirth*** |
| M00001 | General | Dave | Davidson | 8 Madeup Street, West Lakes, 5023 | 25/12/1982 |
| M00002 | President | Greggy | Pipp | 8 Madeup Street, Springfield, 5044 | 03/04/1955 |
| M00003 | General | Adam | Chef | 8 Madeup Street, Narnia, 5000 | 11/05/1991 |

**Session**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| ***sessionID*** | ***classID*** | ***Grade*** | ***startTime*** | ***endTime*** | ***date*** |
| SES9991234 | CLA001 | A+ | 12:00 | 14:00 | 14/05/2014 |
| SES9991235 | CLA002 | B- | 9:00 | 11:00 | 17/05/2014 |
| SES9991236 | CLA003 | F | 7:00 | 10:00 | 22/05/2014 |