



Connery's Country Club

The one and only

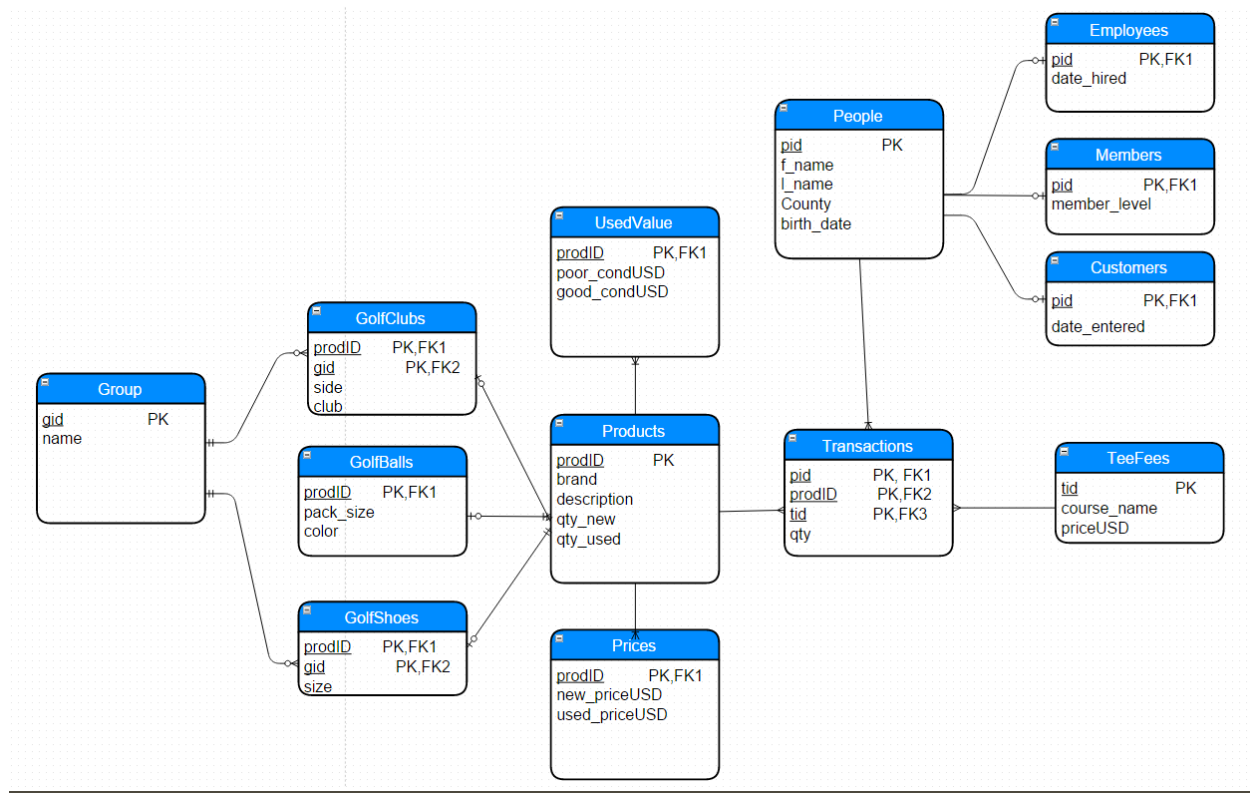
Executive Summary

Golf is becoming so popular and many older golf courses run on a pen and paper system of keeping records. Sean Connery's Golf Course is one of those place. What needs to be done is have a database system designed and implemented to keep track or records faster, easier, and most importantly neat and precise.

The objective is to store all employees, customers, and members' information. All products, will be broken down into their proper category (Men's, Women's, Boys, and girls). The goal is to have all records organized and to have an updateable inventory at all times to allow for the proper order of new products.

Currently the system is very unorganized and record keeping is unreliable and customer/employee theft may go unnoticed with no transactions being recorded properly. We will create an easy to use database system for the owner Sir Sean Connery himself.

Entity-Relationship Diagram



Tables

```
CREATE TABLE people (  
  pid          CHAR(4) NOT NULL,  
  first_Name   TEXT,  
  last_Name    TEXT,  
  county       TEXT,  
  birth_Date   DATE,  
  PRIMARY KEY(pid)  
);
```

	pid character(4)	first_name text	last_name text	county text	birth_date date
1	p001	Sean	Connery	Dutchess	1930-08-25
2	p002	Edgar	Codd	Putnam	1923-08-23
3	p003	Billy	Joel	Westchester	1949-05-09
4	p004	John	Smith	Dutchess	1983-01-12
5	p005	Mary	Swanson	Sullivan	1988-03-11
6	p006	Jean	Hartwright	Dutchess	1972-11-09
7	p007	Chris	Billings	Putnam	1989-05-10
8	p008	Emma	Davis	Dutchess	1994-02-19

```
CREATE TABLE employees (  
  pid          CHAR(4) NOT NULL,  
  date_hired   DATE,  
  PRIMARY KEY(pid)  
);
```

	pid character(4)	date_hired date
1	p002	2005-03-17
2	p008	2014-05-12

```
CREATE TABLE customers (  
  pid          CHAR(4) NOT NULL,  
  date_Entered DATE,  
  PRIMARY KEY(pid)  
);
```

	pid character(4)	date_entered date
1	p008	2012-10-31
2	p002	2010-05-16
3	p005	2011-01-12
4	p006	2011-02-27
5	p007	2011-05-06

```
CREATE TABLE members (
  pid          CHAR(4) NOT NULL,
  member_level TEXT,
  PRIMARY KEY(pid)
);
```

	pid character(4)	member_level text
1	p008	Womens
2	p001	Mens Senior
3	p005	Womens
4	p007	Mens

```
CREATE TABLE products (
  prodID      CHAR(4) NOT NULL,
  brand       TEXT,
  description  TEXT,
  newQty      INT,
  usedQty     INT,
  PRIMARY KEY(prodID)
);
```

	prodid character(4)	brand text	description text	newqty integer	usedqty integer
1	p001	Nike	Long Distance Golf Balls	12	1
2	p002	Adidas	Mens black and yellow shoes	6	2
3	p003	TaylorMade	10.5 loft Driver	25	3
4	p004	Cobra	s3 Iron set	7	1
5	p005	Under Armour	Pink Shoes	11	1
6	p006	Titleist	Velocity golf balls	30	5
7	p007	Under Armour	White Shoes	8	2
8	p008	Srixon	Pure White LXT golf balls	10	7
9	p009	Titleist	Graphite Shaft putter	3	1
10	p010	Callaway	Extra Distance Golf Balls	17	2

```
CREATE TABLE golfshoes (
  prodID      CHAR(4) NOT NULL,
  gid         CHAR(4) NOT NULL,
  size        INT NOT NULL,
  PRIMARY KEY(prodID,gid)
);
```

	prodid character(4)	gid character(4)	size integer
1	p002	g001	11
2	p005	g004	5
3	p007	g001	10

```
CREATE TABLE golfballs (
  prodID      CHAR(4) NOT NULL,
  pack_size   INT NOT NULL,
  color       TEXT,
  PRIMARY KEY(prodID)
);
```

	prodid character(4)	pack_size integer	color text
1	p001	12	Brilliant white
2	p006	6	Yellow
3	p008	12	Pure white
4	p010	24	Yellow

```
CREATE TABLE golfclubs (
  prodID      CHAR(4) NOT NULL,
  gid         CHAR(4) NOT NULL,
  side        TEXT,
  club        TEXT,
  PRIMARY KEY(prodID, gid)
);
```

	prodid character(4)	gid character(4)	side text	club text
1	p003	g001	Lefty	Driver
2	p004	g003	Righty	Irons
3	p010	g003	Righty	Putter

```
CREATE TABLE groups (
  gid          CHAR(4) NOT NULL,
  group_name   TEXT,
  PRIMARY KEY(gid)
);
```

	gid character(4)	group_name text
1	g001	Mens
2	g002	Womans
3	g003	Boys Junior
4	g004	Girls Junior

```
CREATE TABLE teepees (
  tid CHAR(4) NOT NULL,
  course_name TEXT,
  priceUSD   NUMERIC(12,2),
  PRIMARY KEY(tid)
);
```

Data Output	Explain	Messages	History
	tid character(4)	course_name text	priceusd numeric(12,2)
1	t050	Highland 18	69.99
2	t100	Meadows 9	29.99
3	t150	Trump 18	149.99
4	t200	Sunny Valley 9	34.99

```
CREATE TABLE usedvalues (
  prodID      CHAR(4) NOT NULL,
  poor_condUSD NUMERIC(12,2),
  good_condUSD NUMERIC(12,2),
  PRIMARY KEY(prodID)
);
```

	prodid character(4)	poor_condusd numeric(12,2)	good_condusd numeric(12,2)
1	p004	249.99	349.99
2	p006	3.99	9.99
3	p010	49.99	79.99

```
CREATE TABLE prices (
  prodID      CHAR(4) NOT NULL,
  new_priceUSD NUMERIC(12,2),
  used_priceUSD NUMERIC(12,2),
  PRIMARY KEY(prodID)
);
```

Test Table

Data Output	Explain	Messages	History
	prodid character(4)	new_priceusd numeric(12,2)	used_priceusd numeric(12,2)
1	p003	299.99	199.99
2	p001	29.99	9.99
3	p002	99.99	49.99
4	p005	149.99	69.99

```
CREATE TABLE transactions (
  pid      CHAR(4) NOT NULL,
  prodID   CHAR(4) NOT NULL,
  tid      CHAR(4) NOT NULL,
  qty      INT NOT NULL,
  PRIMARY KEY(pid,prodID,tid)
);
```

Data Output		Explain	Messages	History
	pid character(4)	prodid character(4)	tid character(4)	qty integer
1		p005	t100	1
2	p001	p002		1
3	p005		t200	1