



# THE UNIVERSITY OF ASIA PACIFIC

Department of Computer Science & Engineering

Course Title: Database Management System Lab

Course ID: CSE 212

SUBMITTED BY:

**Rezwan Kader**

17201080

Sec-B1

**Reshad Hasan Anonnyo**

17201069

Sec-B1

SUBMITTED TO:

**Nadeem Ahmed**

Assistant Professor

The University of Asia Pacific

# WORLD GIANT COMPANY

**Database-2019'**



# Company Database

This is a database which contains basic information about famous companies around the world. Customers can see & check out in which company should they invest and buy the stocks from. Also, details some of most famous founders are given.

The information which are going to be available in the database are given below:

**Table:** Companies

**Attributes:** company\_name, category, founder, co\_founder, founded, country, city, networth, stock

**Relations:**

1. Companies – locating – CountryLog
2. Companies – creators – FoundedBy
3. Companies – type - CatagoryType
4. Companies – offering – Services

**Table:** CountryLog

**Attributes:** country\_name, city

**Relations:**

1. CountryLog – locating – Companies
2. CountryLog – Country – FoundedBy

**Table:** CatagoryType

**Attributes:** category

**Relations:** 1. CatagoryType- type – Companies

**Table:** FoundedBy

**Attributes:** founder, country, city, networth

**Relations:**

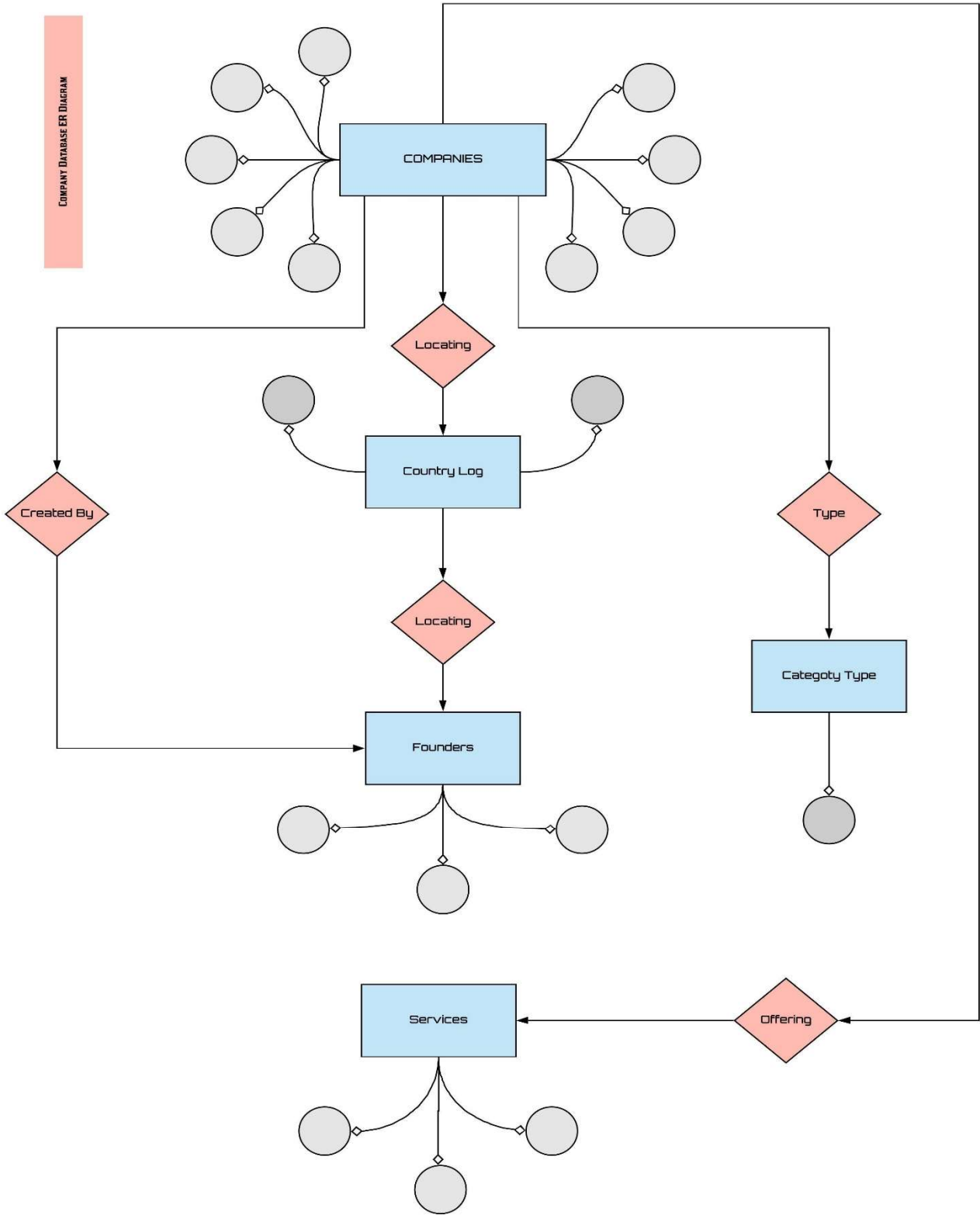
1. FoundedBy – country – CountryLog
2. FoundedBy – creator – Companies

**Table:** Services

**Attributes:** services\_type, company\_name, service\_type\_2

**Relations:** 1. Services – offering – Companies

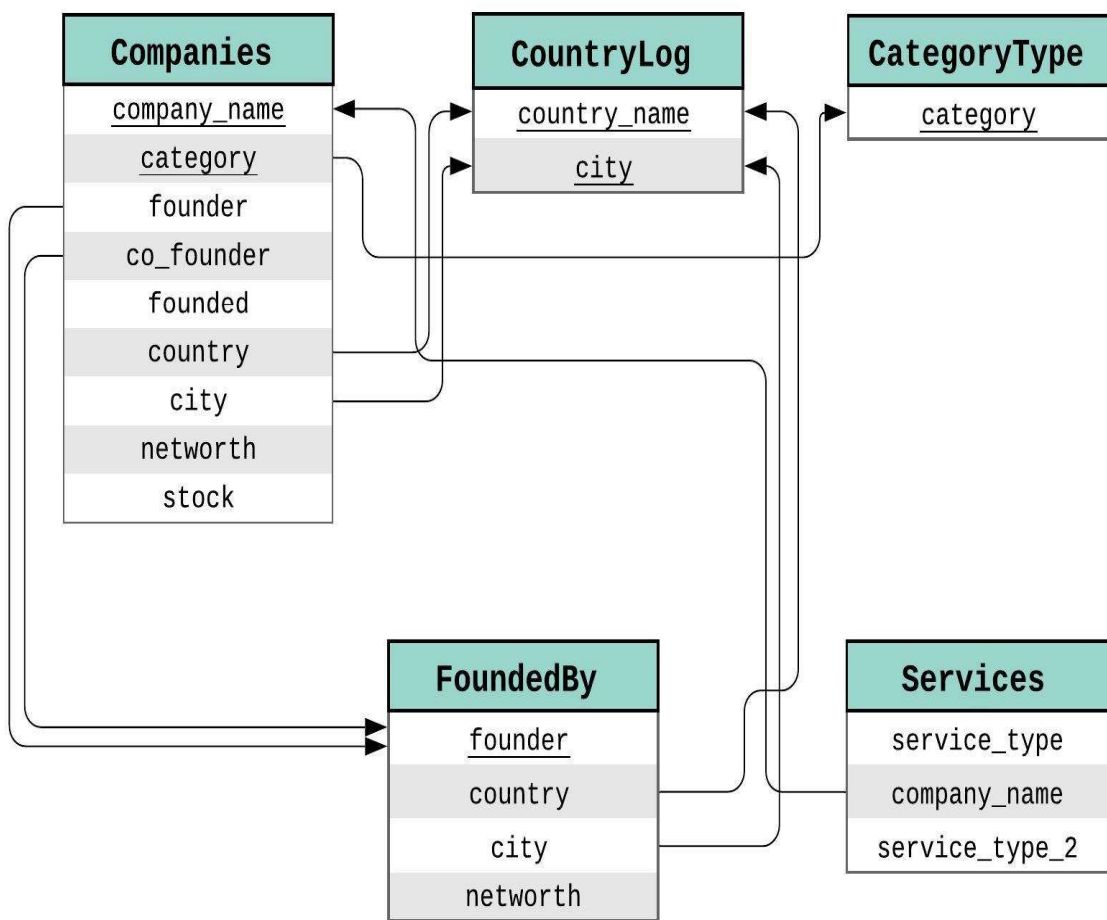
ER Diagram Company Database Management



# Entity Relationship Diagram (Company Database Management)

[Rezwan Kader] & [Reshad Hasan Anonnyo]

Schema Diagram



## Data Entries:

### Data Entry of Company List:

Script for SelectTopNRows command from SSMS \*\*\*\*\*/

```
SELECT TOP (1000) [company_name]
, [category]
, [founder]
, [co_founder]
, [founded]
, [country]
, [city]
, [networth_bUSD]
, [stock]
FROM [Company Database] [dbo].[Companies]
```

133 %

	company_name	category	founder	co_founder	founded	country	city	networth_bUSD	stock
1	Activision Blizzard	Game Development	Robert A Kotick	NULL	2008	United States	California	37	47.99/USD
2	AIRBUS	Technology	Roger Bételle	NULL	1998	Netherlands	Leiden	105	131.00/EUR
3	Alibaba	Conglomerate	Jack Ma	Joseph C. Tsai	1999	China	Hangzhou	352	178.74/USD
4	Alphabet	Conglomerate	Larry Page	Sergey Brin	2015	United States	California	739	1245.22/USD
5	Amazon.com	Technology	Jeff Bezos	NULL	1994	United States	Washington	120	1943.05/USD
6	Apple	Technology	Steve Jobs	Ronald Wayne	1976	United States	California	1000	207.74/USD
7	AT&T	Technology	Bell Telephone Company	NULL	1983	United States	Texas	233	34.15/USD
8	Bank of America	Investment	Amadeo Giannini	NULL	1998	United States	North Carolina	401	30.77/USD
9	Berkshire Hathaway	Conglomerate	Oliver Chace	NULL	1839	United States	Massachusetts	620	315000/USD
10	BMW Group	Technology	Karl Rapp	Franz Josef Popp	1916	Germany	Munich	58	68.67/EUR
11	BNP Paribas	Investment	Banque Nationale de Paris (BNP)	Paribas	1848	France	Paris	69	42.94/EUR
12	Boeing	Conglomerate	William Boeing	NULL	1916	United States	Chicago	215	345.00/USD
13	BP	Oil & Gas	William Knox D'Arcy	NULL	1909	United Kingdom	England	150	38.98/USD
14	Daimler	Technology	Gottlieb Daimler	NULL	1886	Germany	Stuttgart	71	48.38/EUR
15	Electronic Arts	Game Development	Trip Hawkins	NULL	1982	United States	California	5	89.51/USD
16	Enel	Technology	Antonio Segni	NULL	1962	Italy	Rome	63	6.21/EUR
17	ExxonMobil	Oil & Gas	John D Rockefeller	NULL	1999	United States	Texas	279	74.81/USD
18	Facebook	Social Networking	Mark Zuckerberg	Andrew McCollum	2004	United States	Massachusetts	62	199.75/USD
19	Gazprom	Oil & Gas	Viktor Chemomyrdin	NULL	1989	Russia	Moscow	60	234.23/RUB
20	Goldman Sachs Group	Investment	Viktor Chemomyrdin	Samuel Sachs	1869	United States	New York	76	222.14/USD
21	Google	Technology	Larry Page	Sergey Brin	1998	United States	California	279	1245.22/USD
22	HSBC Holdings	Investment	Thomas Sutherland	NULL	1865	United Kingdom	England	176	662.40/GBX
23	IBM	Technology	Charles Ranlett Flint	NULL	1911	United States	New York	125	151.36/USD
24	Intel	Technology	Gordon Moore	Robert Noyce	1968	United States	California	200	51.59/USD
25	Johnson & Johnson	Medical	James Wood Johnson	Edward Mead J...	1886	United States	New Jersey	360	130.73/USD
26	JPMorgan Chase	Investment	J P Morgan	NULL	2000	United States	New York	256	116.22/USD
27	MetLife	Investment	William P Stewart	NULL	1868	United States	New York	44	50.69/USD
28	Nintendo	Game Development	Fusajiro Yamauchi	NULL	1889	Japan	Kyoto	38	40220/JPY
29	PepsiCo	Conglomerate	Caleb Bradham	NULL	1965	United States	New York	178	131.22/USD
30	PetroChina	Oil & Gas	Joint Stock Company	NULL	1999	China	Beijing	1000	6.54/CNY



## Data Entry of Country Logs:

```
/****** Script for SelectTopNRows command from SSMS *****/  
SELECT TOP (1000) [country]  
                , [city]  
FROM [Company Database].[dbo].[CountryLog]
```

133 %

Results Messages

	country	city
1	Canada	Toronto
2	China	Beijing
3	China	Hangzhou
4	China	Shenzhen
5	France	Carentoir
6	France	Paris
7	Germany	Munich
8	Germany	Stuttgart
9	Germany	Wolfsburg
10	India	Mumbai
11	Italy	Rome
12	Japan	Kyoto
13	Japan	Tokyo
14	Netherlands	Hague
15	Netherlands	Leiden
16	Russia	Moscow
17	South Korea	Suwon
18	Spain	Madrid
19	United Kingdom	England
20	United States	Arkansas
21	United States	California
22	United States	Chicago
23	United States	Massas...
24	United States	Minnesota
25	United States	New Jer...
26	United States	New York
27	United States	North C...
28	United States	Ohio
29	United States	Texas
30	United States	Washin...

## Data Entry of Category Types:

SQLQuery14.sql -...PD16QAH\ASUS (56)) SQLQuery13.sql -...PD16QAH\ASUS (57)) SQLQuery12...

```
/****** Script for SelectTopNRows command from SSMS *****/  
SELECT TOP (1000) [category]  
FROM [Company Database].[dbo].[Category]
```

133 %

Results Messages

	category
1	Conglomerate
2	Game Development
3	Investment
4	Medical
5	Oil & Gas
6	Social Networking
7	Technology



## Data Entry of Founder's List:

SQLQuery15.sql -...PD16QAH\ASUS (59)) X SQLQuery14.sql -...PD16QAH\ASUS (56) SQLQuery13.sc				
/***** Script for SelectTopNRows command from SSMS *****/				
<pre> SELECT TOP (1000) [founder]     ,[country]     ,[city]     ,[networth_bUSD] FROM [Company Database].[dbo].[FoundedBy] </pre>				
133 %				
Results Messages				
	founder	country	city	networth_bUSD
1	Mark Zuckerberg	United States	Massachusetts	62
2	Jeff Bezos	United States	Washington	120
3	Larry Page	United States	California	279
4	Steve Jobs	United States	California	1000
5	Jack Ma	China	Hangzhou	352
6	Ma Huateng	China	Shenzhen	511
7	Oliver Chace	United States	Massachusetts	620
8	J P Morgan	United States	New York	256
9	John D Rockefeller	United States	Texas	279
10	James Wood Johnson	United States	New Jersey	360
11	Lee Byung-chul	South Korea	Suwonsi	326
12	Amadeo Giannini	United States	North Carolina	401
13	Gordon Moore	United States	California	200
14	Jack Dorsey	United States	California	5
15	Joint Stock Company	China	Beijing	1000
16	Fusajiro Yamauchi	Japan	Kyoto	38
17	Gabe Newell	United States	Washington	3
18	Sam Houser	United States	New York	3
19	Trip Hawkins	United States	California	5
20	Robert A Kotick	United States	California	37
21	Ken Kutaragi	Japan	Tokyo	38
22	Guillemot Family	France	Carentoir	4
23	Marcus Samuel	Netherlands	Hague	265
24	Lee Byung-chul	South Korea	Suwon	272
25	Kiichiro Toyoda	Japan	Toyota	176
26	German Labour Front	Germany	Wolfsburg	92
27	Bell Telephone Com...	United States	Texas	233
28	Charles Lee	United States	New Jersey	239
29	Thomas Sutherland	United King...	England	176
30	Sam Walton	United States	Arkansas	296
31	William Knox D'Arcy	United King...	England	150
32	Ana Patricia Botin	Spain	Madrid	84
33	Richard T Burke	United States	Minnesota	213
34	Banque Nationale d...	France	Paris	69
35	Gottlieb Daimler	Germany	Stuttgart	71

## Data Entry of Services:

SQL Query Results - Microsoft SQL Server (17)    SQL Query Results - Microsoft SQL Server (17)    SQL Query Results - Microsoft SQL Server (17)

```

/***** Script for SelectTopNRows command from SSMS *****/
SELECT TOP (1000) [service_type]
               , [company_name]
               , [services_type_2]
FROM [Company Database].[dbo].[Services]

```

133 %

Results    Messages

	service_type	company_name	services_type_2
1	Social Networking	Facebook	International
2	Technology	Amazon.com	International
3	Technology	Google	International
4	Conglomerate	Alphabet	International
5	Technology	Apple	International
6	Conglomerate	Alibaba	Multinational
7	Investment	Tencent Holdings	International
8	Conglomerate	Berkshire Hathaway	Multinational
9	Investment	JPMorgan Chase	Multinational
10	Oil & Gas	ExxonMobil	Local
11	Medical	Johnson & Johnson	International
12	Conglomerate	Samsung Electronics	International
13	Investment	Bank of America	Local
14	Technology	Intel	International
15	Social Networking	Twitter	International
16	Oil & Gas	PetroChina	Local
17	Game Development	Nintendo	International
18	Game Development	Valve Corporation	International
19	Game Development	Rockstar Games	International
20	Game Development	Electronic Arts	International
21	Game Development	Activision Blizzard	International
22	Game Development	Sony Computer Ent...	International
23	Game Development	Ubisoft	International
24	Oil & Gas	Royal Dutch Shell	Multinational
25	Technology	Samsung Electronics	International
26	Technology	Toyota Motor	International
27	Technology	Volkswagen Group	International
28	Technology	AT&T	Multinational
29	Technology	Verizon Communic...	International
30	Investment	HSBC Holdings	Multinational
31	Conglomerate	Walmart	Local
32	Oil & Gas	BP	Local
33	Investment	Santander	Multinational
34	Medical	UnitedHealth Group	International
35	Investment	BNP Paribas	Multinational
36	Technology	Daimler	International

**Direct Link to Database Script File:**

<https://drive.google.com/open?id=1DycG8J9Hq5u6J0K4bbJYj2qtbVtG0ig->

*Thank You....*

**Project Submitted By: Team [Trojan Paradox]**

Name: Rezwan Kader

ID: I720I080

Sec: B-I

Name: Reshad Hasan Anonnyo

ID: I720I069

Sec: B-I