A CAL Project Report

on

Video Game Distribution System

to be submitted in partial fulfilling of the requirements for the course on

Database Management Systems – ITE 1003

(A1 & A2)

by

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INTRODUCTION

ACKNOWLEDGEMENTS

We would like to show our gratitude to VIT University and our chancellor G.

Viswanathan sir. We sincerely thank the Dean and HOD of SITE. We are also grateful to our faculty Dr. Dharmendra Singh Rajput for his guidance throughout the project. Lastly, we thank our parents for enabling us to fulfil our dreams and goals by always standing by us.

Universe of Discourse

This project stores data of an online service which sells computer games. There are two types of users we kept in mind whilst creating the database 1. Publisher:

The

publisher can launch or remove games, set discounts at schedules etc. 2.

Customer: The customer can purchase/refund games, can view details of the games being

provided etc.

Project Objective and Overview

This DBMS project aims to capture a sample database system used in a game distribution system similar to steam. This will allow us to understand how a database system is used to organize the information stored for objects like games, customers, publishers etc. and how they are interrelated with each other. Such a

system was chosen for our project as it would provide a simple yet robust example of how DBMS principles are used on a day to day basis for a vast array of applications.

REVIEW-1 (Survey & Analysis)

DATA TYPES USED

Numeric data types such as integer & float- Stores a range of negative & positive number. CHAR-It is a character and string data type with fixed string length.

VARCHAR - It is datatype for storing alphanumeric values in SQL with flexible size. Date- Stores date in the format YYYY-MM-DD.

DateTime- Stores date and time information in the format YYYY-MM-DD HH:MI:S

ENTITIES

- o Publisher o Customer o Login o Username o Password o Games
- o Category(Genre of game , Recommendations) o System Requirements
- and various types of compatibility(controller , joystick , pc only) $$ o

Previous Purchases o Sale o

Payment Gateway o Developer

ATTRIBUTES

Entities Attributes*

Publisher Pub_id,name,password,email,phone

Customer Cust_id,name,password,email,country,age Games

Game_id,name,Pub_id,Dev_id,genre,rating,rqments,price,sale_id, age_rating,desc Sale

Sale_id,offer_percentage,sale_shdl Previous Purchases

Purchase_id,Cust_id,Game_id,price,date_of_purchase Payment Gateway

Game_id,Cust_id,Sale_id,price,Purchase_id,date_of_purchase Developer

Dev_id,name,password,email,phone

Table Creation Queries

create table Publisher(

Publisher_ID varchar(10) primary KEY,

Publisher Name varchar(20),

Password varchar(30),

Email varchar(50),

Phone varchar(10)

);

Table Creation Queries

create table Customer(

Customer_ID varchar(I0) primary KEY,

Customer_Name varchar(10),

Password varchar(30),

Email varchar(20),

Country varchar(30),

Age integer

);

Table Creation Queries

create table Games(

Game_ID varchar(10) primary KEY,

Game_Name varchar(20),
Publisher_ID varchar(10),
Dev_Id varchar(10),
Genre varchar(10),

Rating int,

Requirements varchar(20),

Price float,

Table Creation Queries

Sale_ID varchar(10),

Age_Rating float,

Description varchar(50),

FOREIGN KEY(Publisher_ID) REFERENCES

Publisher(Publisher_ID),

FOREIGN KEY(Sale_ID) REFERENCES

Sale(Sale_ID),

FOREIGN KEY(Dev Id) REFERENCES

developer(Dev_ld)

);

Table Creation Queries

```
create table Sale(
Sale_ID varchar(I0) primary KEY,
Offer_Percent float,
Sale_Schedule date
);
```

Table Creation Queries

```
create table Previous_Purchases(
Customer_ID varchar(10),
Purchase_ID varchar(10) primary key,
Game_ID varchar(10),
Date_of_Purchase date,
Price float,

FOREIGN KEY(Customer_ID)
REFERENCES Customer(Customer_ID)
);
```

Table Creation Queries continued

FOREIGN KEY(Game_id) REFERENCES Games(Game_ID),

FOREIGN KEY(Customer_ID) REFERENCES Customer(Customer_ID),

FOREIGN KEY(Sale ID) REFERENCES Sale(Sale ID),

FOREIGN KEY(Purchase_ID) REFERENCES Previous_Purchases(Purchase_ID)
);

Table Creation Queries continued

create table Payment_Gateway(

Game_ID varchar(10),

Customer_ID varchar(10),

Sale_ID varchar(10),

Price float,

Purchase_ID varchar(10),

Date_of_Purchase date,



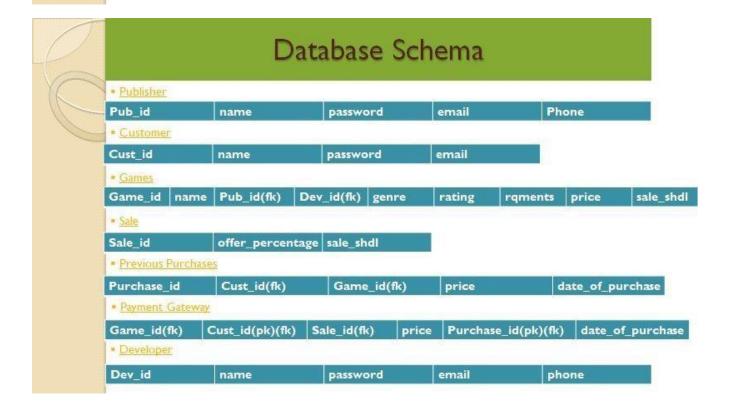
create table Developer(

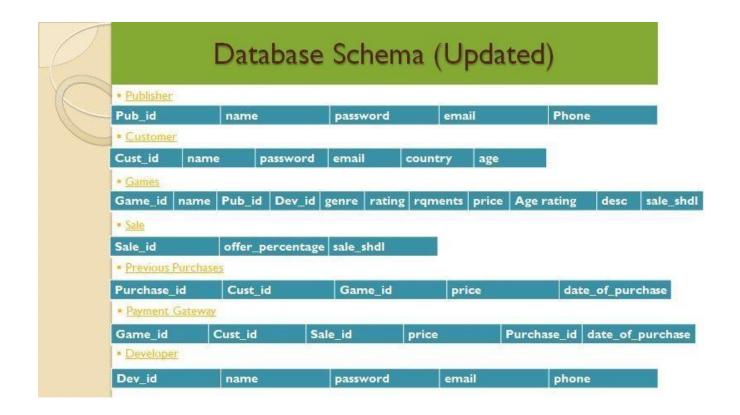
Dev ID varchar(10) primary KEY,

Name varchar(20),
Password varchar(30),
Email varchar(50),
Phone varchar(10),
Publisher ID varchar(10),

foreign key(Publisher ID) references

Publisher(Publisher_ID));





Integrity Constraints

Publisher: pub_id

(pk)

Name [composite(first,last)] (not null, unique)

Password (not null, unique)

Email (not null, unique)

Phone [multi-valued] (not null, unique)

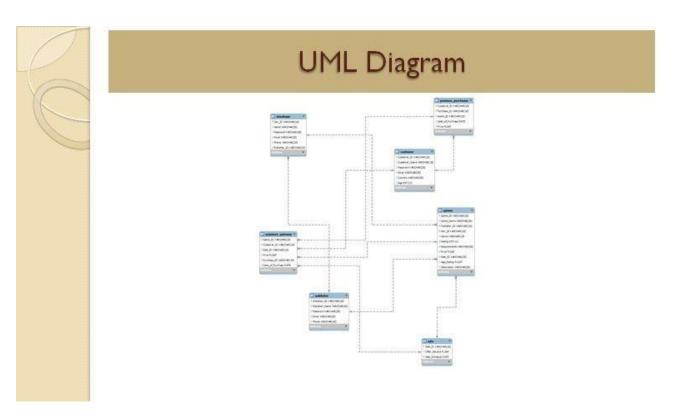
Customer:

Cust_id (pk)

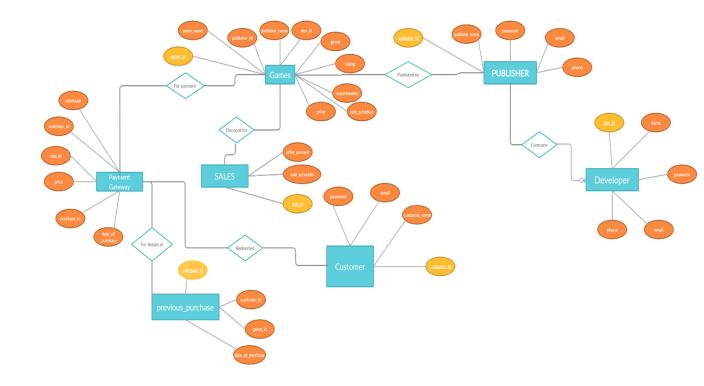
```
Name [composite] (not null, unique)
Password (not null, unique)
Email [multi-valued] (not null, unique)
Country
Age (not null)
Games:
Game_id (pk)
Name (not null)
Pub_id (fk)
Dev_id (fk)
Genre [multi-valued] (not null)
Rating [composite(user, critic)] (check if in 0-100 range)
Rqments [composite(processor, graphics, RAM)] (not null)
Price (not null)
Age rating (not null) [select from set {E, E10+, 12+, 16+, 18+}]
Desc (not null)
Sale_shdl (fk)
Sale:
Sale_id (pk)
Offer_percentage (check if in 10-100 range)
Sale_shdl (not null)
Developer: dev_id
(pk)
Name [composite(first,last)] (not null, unique)
```

Password (not null, unique)
Email (not null, unique)
Phone [multi-valued] (not null, unique)
Previous purchases:
Purchase_id (pk)
Cust_id (fk)
Game_id (fk) Price (not null)
date_of_purchase (not null)
Payment gateway:
Game_id(fk)
Cust_id(pk)(fk)
Sale_id(fk)
Price (not null) Purchase_id(pk)(fk) date_of_purchase
(not null)

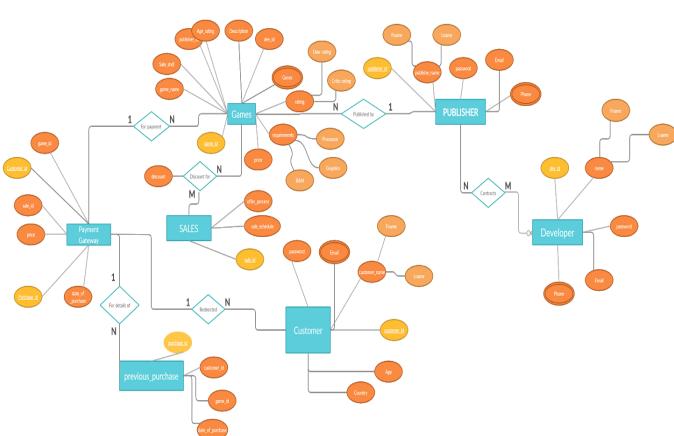
REVIEW-2 (Design of Diagrams & Prototype Design)

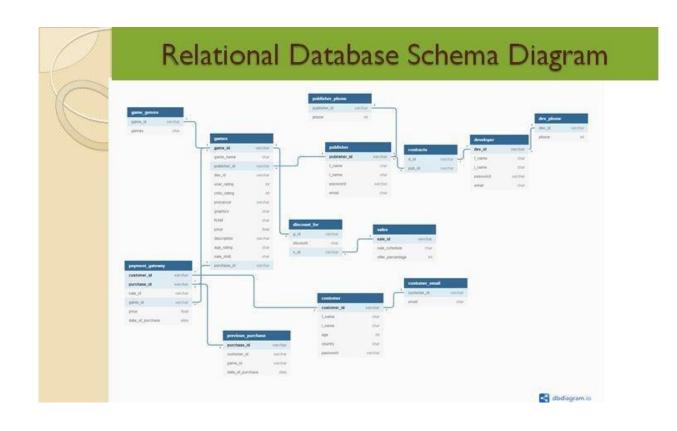


Entity Relationship Diagram



Enhanced Entity Relationship Diagram





REVIEW-3 (Development of a Model)

```
create table Customer(Customer_ID varchar(10) Primary Key,
Customer_Name varchar(25),
Customer_Password varchar(30),
Customer_Email varchar(40),
Country varchar(30),
Customer_Age int
);
```

```
create\ table\ Previous\_Purchases(\ Customer\_ID
varchar(10),
Purchase_ID varchar(10) Primary Key,
Game_ID varchar(10),
Date of Purchase date,
Price float,
Foreign Key (Customer_ID) References Customer(Customer_ID)
);
create table Publisher(
Publisher_ID varchar(10) primary KEY,
Publisher_Name varchar(20),
Password varchar(30),
Email varchar(40),
Phone varchar(10)
);
create table Developer( Dev_ID
varchar(10) primary KEY,
Name varchar(20),
Password varchar(30),
Email varchar(40),
Phone varchar(10), Publisher_ID varchar(10), foreign
key(Publisher_ID) references Publisher(Publisher_ID)
);
create table Sale(
Sale_ID varchar(10) PRIMARY KEY,
Offer_Percent float, sale_schedule
date UNIQUE
);
create table Games(
Game_ID varchar(10) primary KEY,
Game_Name varchar(20),
Publisher_ID varchar(10),
Dev_Id varchar(10),
Genre varchar(10),
```

```
Rating int,
Requirements varchar(20),
Price float,
Sale_Schedule date,
Age Rating float,
Description varchar(50),
FOREIGN KEY(Publisher_ID) REFERENCES Publisher(Publisher_ID),
FOREIGN KEY(Sale Schedule) REFERENCES Sale(sale schedule)
);
create table Payment_Gateway( Game_ID
varchar(10),
Customer_ID varchar(10),
Sale ID varchar(10),
Price float,
Purchase_ID varchar(10),
Date of Purchase date,
FOREIGN KEY(Game_id) REFERENCES Games(Game_ID),
FOREIGN KEY(Customer_ID) REFERENCES Customer(Customer_ID),
FOREIGN KEY(Sale_ID) REFERENCES Sale(Sale_ID),
FOREIGN KEY(Purchase_ID) REFERENCES Previous_Purchases(Purchase_ID)
);
insert into Customer values('Raj1026#28',
'Rajesh Kumar',
'Rajesh!2001',
'rajcool@gmail.com',
'India',
'26'
);
insert into Customer values('Adi2085%19',
'Aditya Sharma',
'Aditya*3032',
'adityas@yahoo.com',
'India',
'19'
```

```
);
insert into Customer values ('Ish9405%20',
'Isha Saxena',
'ILMF@*112',
'isha2001@gmail.com',
'India',
'22'
);
insert into Customer values('Abh2004$68',
'Abhinav Kumar',
'Abhi$$103',
'cooldudeabhi@gmail.com',
'India',
'16'
);
insert into Customer values ('Ada3049#13',
'Adam Parker',
'Adamexpert@1654',
'adamparker2056@yahoo.com',
'United States of America',
'18'
);
insert into Customer values('Yas5903#64',
'Yash Renwa',
'GGyash#12',
'yashrenwa@gmail.com',
'India',
'20'
);
insert into Customer values('Sar3956#84',
'Sarah Goldberg',
'Whysoserious#1337',
'sarahg334@gmail.com',
'United Kingdom',
```

```
'21'
);
insert into Customer values('Aga1302$22',
'Agastya Sharma',
'Agastya#20',
'agastyasharma11@gmail.com',
'India',
'19'
);
insert into Customer values('Ani2245!49',
'Anirudh Verma',
'Justsocasual@223',
'anirudhver214@gmail.com',
'India',
'23'
);
insert into Customer values('Ary3302#45',
'Aryan Abraham',
'Aryan#ayaan220',
'pythagoraskumar2203@gmail.com',
'India',
'38'
);
insert into Previous_Purchases values('Raj1026#28',
'243#$10292',
'101',
DATE '2010-03-12',
'520.00'
);
insert into Previous_Purchases values('Adi2085%19',
'375#$38502',
'105',
DATE '2011-11-20',
'520.00'
```

```
);
insert into Previous_Purchases values('Ish9405%20',
'193#$10345',
'101',
DATE '2011-05-06',
'520.00'
);
insert into Previous_Purchases values('Abh2004$68',
'496#$05637',
'103',
DATE '2015-06-27',
'120.00'
);
insert into Previous_Purchases values('Abh2004$68',
'496#$20075',
'104',
DATE '2016-11-03',
'220.00'
);
insert into Previous_Purchases values('Ada3049#13',
'205#$20033',
'108',
DATE '2010-03-12',
'320.00'
);
insert into Previous_Purchases values('Ani2245!49',
'103#$67593',
'110',
DATE '2017-05-30',
'920.00'
);
insert into Previous_Purchases values('Ary3302#45',
'186#$73950',
'103',
```

```
DATE '2013-03-21',
'120.00'
);
insert into Previous_Purchases values('Ary3302#45',
'299#$28564'.
'104',
DATE '2013-03-21',
'220.00'
);
insert into Previous_Purchases values('Ary3302#45',
'495#$10375',
'107',
DATE '2014-04-05',
'520.00'
);
insert into Publisher values('1001','Minato
Namikaze', 'abcdef', 'minatonamikaze_4th@gmail.com', '9420654179');
insert into Publisher values('1002','Kushina
Uzumaki', 'abcdef', 'kushinauzumaki_4th@gmail.com', '9420654179');
insert into Publisher values('1003','Hashirama
Senju', 'abcdef', 'hashiramasenju_1st@gmail.com', '9420654179'); insert
into Publisher values('1004','Tobirama
Senju', 'abcdef', 'tobiramasenju 2nd@gmail.com', '9420654179'); insert
into Publisher values('1005','Tsunade
Senju', 'abcdef', 'tsunadesenju_5th@gmail.com', '9420654179');
insert into Publisher values('1006', 'Kakashi
Hatake', 'abcdef', 'kakashihatake 6th@gmail.com', '9420654179'); insert
into Publisher values('1007','Naruto
Uzumaki', 'abcdef', 'minatonamikaze_4th@gmail.com', '9420654179');
insert into Publisher values ('1008', 'Konohamaru
Sarutobi', 'abcdef', 'konahamarusarutobi 8th@gmail.com', '9420654179');
insert into Publisher values('1009', 'Sarada
Uchiha', 'abcdef', 'saradauchiha 9th@gmail.com', '9420654179'); insert
into Publisher values('1010','Hiruzen
```

```
values('1','Clark Kent','efgh','clarkkent@gmail.com','9429687502','1001'); insert into developer
values('2','Bruce
Wavne', 'efgh', 'brucewayne@gmail.com', '9429687502', '1003'); insert
into developer values('3','Diana
Prince', 'efgh', 'dianaprince@gmail.com', '9429687502', '1009'); insert
into developer values
('4','Oliver Queen','efgh','oliverqueen@gmail.com','9429687502','1006');
insert into developer values
('5','Hal Jordan','efgh','haljordan@gmail.com','9429687502','1002');
insert into developer values
('6','Jonn Jonnz','efgh','jonnjonnz@gmail.com','9429687502','1008');
insert into developer values
('7','Billy Batson','efgh','billybatson@gmail.com','9429687502','1007');
insert into developer values
('8','Arthur Curry','efgh','arthurcurry@gmail.com','9429687502','1004');
insert into developer values('9', 'Zatanna', 'efgh', 'zatanaa@gmail.com', '9429687502', '1005'); insert
into developer values
('10','Barbara Gordon','efgh','barbaragordon@gmail.com','9429687502','1010');
insert into Sale values('#111',8.5,DATE'2010-12-25'); insert into Sale
values('#222',10.5,DATE'2010-6-30'); insert into Sale
values('#333',2.55,DATE'2010-11-28'); insert into Sale
values('#444',6.75,DATE'2010-05-27'); insert into Sale
values('#555',3.35,DATE'2010-01-3'); insert into Games values
('101','Valorant','1001','1','Action',4,'8GB RAM',520.00,DATE'2010-12-25','16','Good'); insert
into Games values
('102','Call of Duty','1002','2','Action',5,'8GB RAM',20.00,DATE'2010-6-30','16','Good'); insert
into Games values
('103','Cricket','1003','3','Action',3,'8GB RAM',120.00,DATE'2010-11-28','16','Good'); insert
into Games values
('104','Fifa','1006','4','Action',4,'8GB RAM',220.00,DATE'2010-05-27','16','Good'); insert
into Games values
```

Sarutobi', 'abcdef', 'hiruzensarutobi 3rd@gmail.com', '9420654179'); insert into developer

```
('105', 'PubG', '1004', '6', 'Action', 2, '8GB RAM', 520, 00, DATE', 2010-01-3', '16', 'Good'); insert
into Games values
('106', 'FauG', '1005', '7', 'Action', 1, '8GB RAM', 120.00, DATE' 2010-12-25', '16', 'Good'); insert
into Games values
('107', 'Mario', '1007', '5', 'Action', 0, '8GB RAM', 520, 00, DATE' 2010-6-30', '16', 'Good'); insert
into Games values
('108', 'Sonic', '1008', '8', 'Action', 4, '8GB RAM', 320.00, DATE' 2010-11-28', '16', 'Good'); insert
into Games values
('109','Prince of Persia','1010','9','Action',5,'8GB RAM',720.00,DATE'2010-05-27','16','Good'); insert
into Games values
('110','Purble Palace','1009','10','Action',4,'8GB RAM',920.00,DATE'2010-01-3','16','Good'); insert
into Payment Gateway values
('101','Raj1026#28','#111',1000.00,'243#$10292',DATE'2011-12-25');
insert into Payment Gateway values
('102','Adi2085%19','#222',999.00,'375#$38502',DATE'2011-6-30'); insert
into Payment Gateway values
('103','Ish9405%20','#333',999.00,'299#$28564',DATE'2011-11-28');
insert into Payment_Gateway values
('104','Abh2004$68','#444',1250.99,'496#$05637',DATE'2011-05-27');
insert into Payment Gateway values
('105','Ada3049#13','#555',1150.99,'205#$20033',DATE'2014-01-3');
insert into Payment Gateway values
('106', 'Ani2245!49', '#111', 3150.99, '103#$67593', DATE'2012-12-25');
insert into Payment Gateway values
('107','Ary3302#45','#222',1650.99,'186#$73950',DATE'2011-6-30');
insert into Payment Gateway values
('108','Ary3302#45','#333',250.99,'299#$28564',DATE'2011-11-28');
insert into Payment Gateway values
('109','Ary3302#45','#444',3220.99,'495#$10375',DATE'2012-05-27');
insert into Payment Gateway values
('110','Abh2004$68','#555',350.99,'496#$20075',DATE'2013-01-3');
```

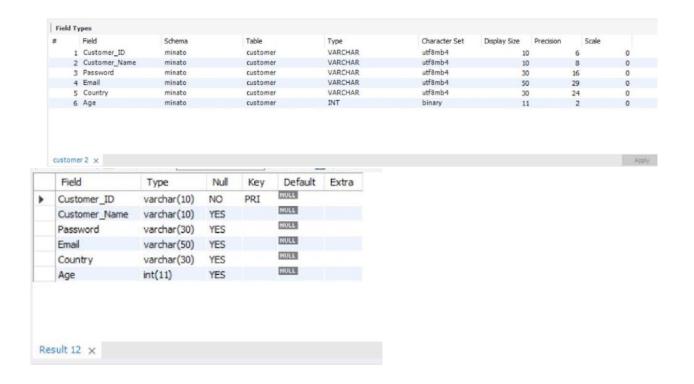
Publisher

1001 Minato Namikaze abcdef minato_4th@gmail.com 9420654178 1002 Kushina Uzumaki abcdef kushina@gmail.com 9420654178 1003 Hashirama Senju abcdef hashiramasenju_1st@gmail.com 9420654178 1004 Tobirama Senju abcdef tobiramasenju_2nd@gmail.com 9420654178 1005 Tsunade Senju abcdef tsunadesenju_5th@gmail.com 9420654178 1006 Kakashi Hatake abcdef kakashihatake_6th@gmail.com 9420654178 1007 Naruto Uzumaki abcdef minatonamikaze_4th@gmail.com 9420654178 1008 Konohamaru Sarutobi abcdef konahamarusarutobi_8th@gmail.com 9406541789 1009 Sarada Uchiha abcdef saradauchiha_9th@gmail.com 9420654178 1010 Hiruzen Sarutobi abcdef hiruzensarutobi_3rd@gmail.com 9420541789 1010 Hiruzen Sarutobi abcdef hiruzensarutobi_3rd@gmail.com 9420541789 1010 Publisher_ID minato publisher VARCHAR utf8mb4 10 4 0 2		Publisher_ID	Publisher_Name	Password	Email		P	none		
1003	•	1001	Minato Namikaze	abcdef	minato_4th@gm	nail.com	94	20654178		
1004 Tobirama Senju abcdef tobiramasenju_2nd@gmail.com 9420654178 1005 Tsunade Senju abcdef tsunadesenju_5th@gmail.com 9420654178 1006 Kakashi Hatake abcdef kakashihatake_6th@gmail.com 9420654178 1007 Naruto Uzumaki abcdef minatonamikaze_4th@gmail.com 9420654178 1008 Konohamaru Sarutobi abcdef konahamarusarutobi_8th@gmail.com 9406541789 1009 Sarada Uchiha abcdef saradauchiha_9th@gmail.com 9420654178 1010 Hiruzen Sarutobi abcdef hiruzensarutobi_3rd@gmail.com 9420541789 publisher 1 x ** Field Schema Table Type Character Set Display Size Precison Scale publisher_ID minato publisher VARCHAR utf8mb4 10 4 0 2 Publisher_Name minato publisher VARCHAR utf8mb4 20 19 0 3 Password minato publisher VARCHAR utf8mb4		1002	Kushina Uzumaki	abcdef	kushina@gmail.e	com	94	20654178		
1005		1003	Hashirama Senju	abcdef	hashiramasenju	_1st@gmail.com	94	20654178		
1006		1004	Tobirama Senju	abcdef	tobiramasenju_	2nd@gmail.com	94	20654178		
1007 Naruto Uzumaki abcdef minatonamikaze_4th@gmail.com 9420654178 1008 Konohamaru Sarutobi abcdef konahamarusarutobi_8th@gmail.com 9406541789 1009 Sarada Uchiha abcdef saradauchiha_9th@gmail.com 9420654178 1010 Hiruzen Sarutobi abcdef hiruzensarutobi_3rd@gmail.com 9420541789 1010 Hiruzen Sarutobi abcdef hiruzensarutobi_3rd@gmail.com 9420541789 2 Field		1005	Tsunade Senju	abcdef	tsunadesenju_5	ith@gmail.com	94	20654178		
1008		1006	Kakashi Hatake	abcdef	kakashihatake_i	6th@gmail.com	94	20654178		
1009 Sarada Uchiha abcdef saradauchiha_9th@gmail.com 9420654178 1010 Hiruzen Sarutobi abcdef hiruzensarutobi_3rd@gmail.com 9420541789		1007	Naruto Uzumaki	abcdef	minatonamikaze	4th@gmail.com	94	20654178		
1010		1008	Konohamaru Sarutobi	abcdef	konahamarusari	utobi_8th@gmail	.com 94	06541789		
# Field Schema Table Type Character Set Display Size Precision Scale 1 Publisher_ID minato publisher VARCHAR utf8mb4 10 4 0 2 Publisher_Name minato publisher VARCHAR utf8mb4 20 19 0 3 Password minato publisher VARCHAR utf8mb4 30 6 0 4 Email minato publisher VARCHAR utf8mb4 50 32 0		1009	Sarada Uchiha	abcdef	saradauchiha 9	th@gmail.com	94	20654178		
# Field Schema Table Type Character Set Display Size Precision Scale 1 Publisher_ID minato publisher VARCHAR utf8mb4 10 4 0 2 Publisher_Name minato publisher VARCHAR utf8mb4 20 19 0 3 Password minato publisher VARCHAR utf8mb4 30 6 0 4 Email minato publisher VARCHAR utf8mb4 50 32 0		1010	Hiruzen Sarutobi	abcdef	hiruzensarutobi	3rd@gmail.com	94	20541789		
1 Publisher_ID minato publisher VARCHAR utf8mb4 10 4 0 2 Publisher_Name minato publisher VARCHAR utf8mb4 20 19 0 3 Password minato publisher VARCHAR utf8mb4 30 6 0 4 Email minato publisher VARCHAR utf8mb4 50 32 0	pu	blisher 1 ×								
1 Publisher_ID minato publisher VARCHAR utf8mb4 10 4 0 2 Publisher_Name minato publisher VARCHAR utf8mb4 20 19 0 3 Password minato publisher VARCHAR utf8mb4 30 6 0 4 Email minato publisher VARCHAR utf8mb4 50 32 0										
2 Publisher_Name minato publisher VARCHAR utf8mb4 20 19 0 3 Password minato publisher VARCHAR utf8mb4 30 6 0 4 Email minato publisher VARCHAR utf8mb4 50 32 0	#	Field	Schema T	able	Туре	Character Set	Display Size	Precision	Scale	
3 Password minato publisher VARCHAR utf8mb4 30 6 0 4 Email minato publisher VARCHAR utf8mb4 50 32 0		1 Publisher_ID	minato p	ublisher	VARCHAR	utf8mb4	10		4	0
4 Email minato publisher VARCHAR utf8mb4 50 32 0		2 Publisher_Name	minato p	ublisher	VARCHAR	utf8mb4	20	15	9	0
		3 Password	minato p	ublisher	VARCHAR	utf8mb4	30		5	0
5 Phone minato publisher VARCHAR utf8mb4 10 10 0		4 Email	minato p	ublisher	VARCHAR	utf8mb4	50	3:	2	0
		5 Phone	minato p	ublisher	VARCHAR	utf8mb4	10) 10)	0
		olisher 1 ×								App

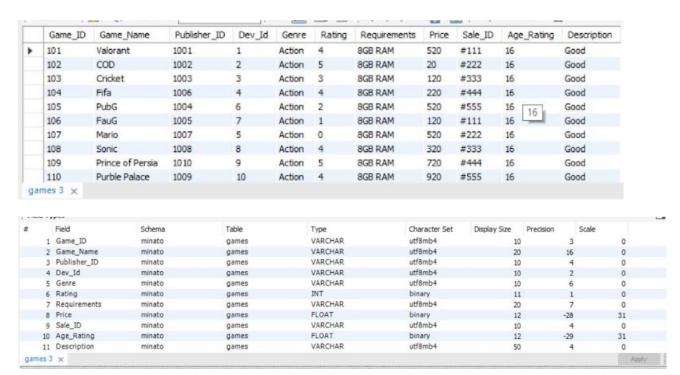
	Field	Type	Null	Key	Default	Extra
•	Publisher_ID	varchar(10)	NO	PRI	POULL	
	Publisher_Name	varchar(20)	YES		NULL	
	Password	varchar(30)	YES		NULL	
	Email	varchar(50)	YES		HULL	
	Phone	varchar(10)	YES		HULL	

Customer

Result 11 ×



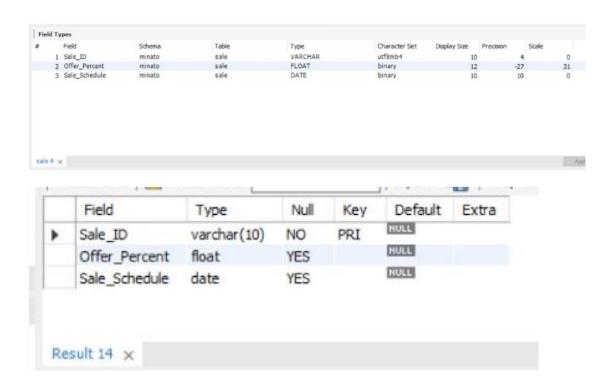
Games



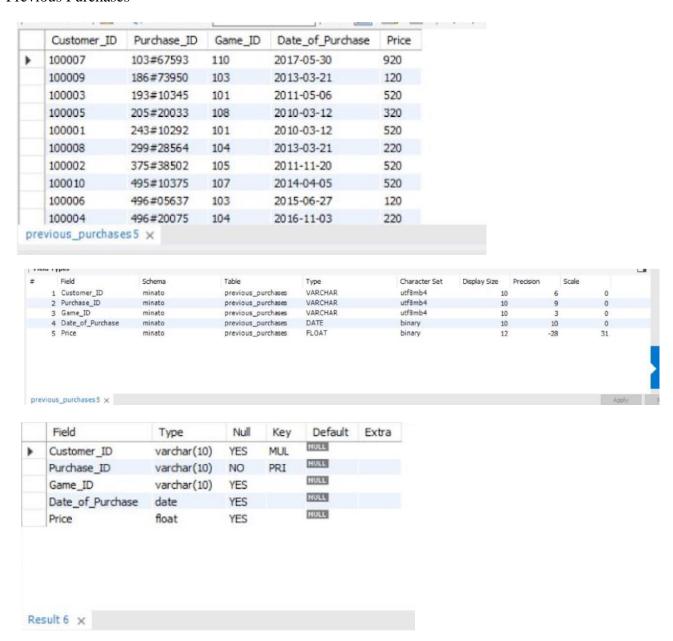
	Field	Type	Null	Key	Default	Extra
•	Game_ID	varchar(10)	NO	PRI	HULL	
	Game_Name	varchar(20)	YES		HUEL	
	Publisher_ID	varchar(10)	YES	MUL	NULL	
	Dev_Id	varchar(10)	YES	MUL	NULL	
	Genre	varchar(10)	YES		HULL	
	Rating	int(11)	YES		NUUL	
	Requirements	varchar(20)	YES		HULL	
	Price	float	YES		NULL	
	Sale_ID	varchar(10)	YES	MUL	NULL	
	Age_Rating	float	YES		HULL	
	Description	varchar(50)	YES		NULL	

Sale

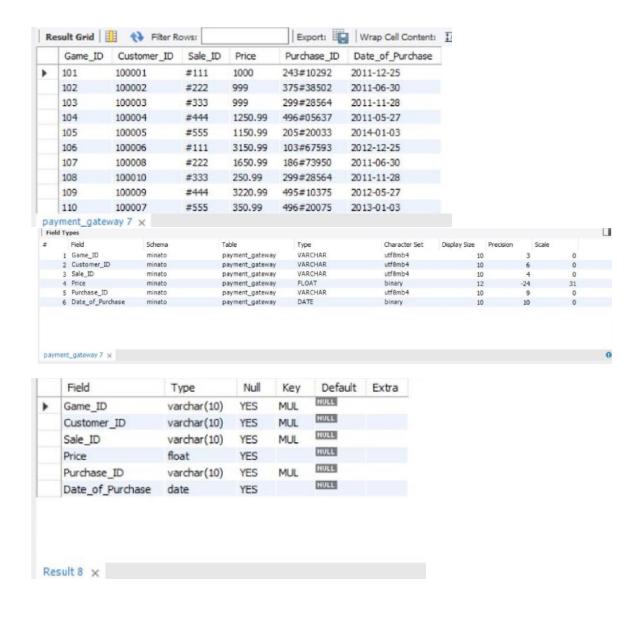
		Offer_Percent	Sale_Schedule
_	#111	8.5	2010-12-25
	#222	10.5	2010-06-30
	#333	2.55	2010-11-28
	#444	6.75	2010-05-27
	#555	3.35	2010-01-03
	NULL	HULL	NULL



Previous Purchases

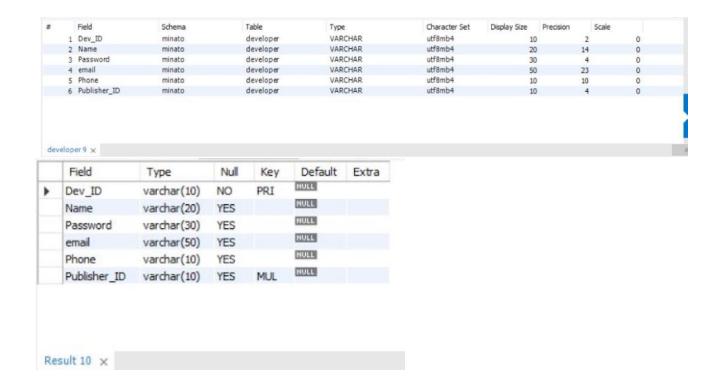


Payment Gateway



Developer

Dev_ID	Name	Password	email	Phone	Publisher_ID
1	Clark Kent	efgh	darkkent@gmail.com	9429687022	1001
10	Barbara Gordon	efgh	barbaragordon@gmail.com	9496875022	1010
2	Bruce Wayne	efgh	brucewayne@gmail.com	9429687022	1003
3	Diana Prince	efgh	dianaprince@gmail.com	9429685022	1009
4	Oliver Queen	efgh	oliverqueen@gmail.com	9429875022	1006
5	Hal Jordan	efgh	haljordan@gmail.com	9429687022	1002
6	Jonn Jonnz	efgh	jonnjonnz@gmail.com	9429685022	1008
7	Billy Batson	efgh	billybatson@gmail.com	9296875022	1007
8	Arthur Curry	efgh	arthurcurry@gmail.com	4296875022	1004
9	Zatanna	efgh	zatanaa@gmail.com	9429687522	1005



CONCLUSION

Our team has implemented a database model using sql queries for a video game distribution system. Motivation for such a project was taken from an existing software, Steam.

To conclude, we have described various entities involved, created tables and schemas for the appropriate requirements and have also provided the E-R diagram which helps

in a better understanding of the system. Class diagrams have also been used to simplify
the mappings between the tables.
REFERENCES

https://steamdb.info/ https://steamdb.info/sales/

https://www.geeksforgeeks.org/introduction-of-er-model/