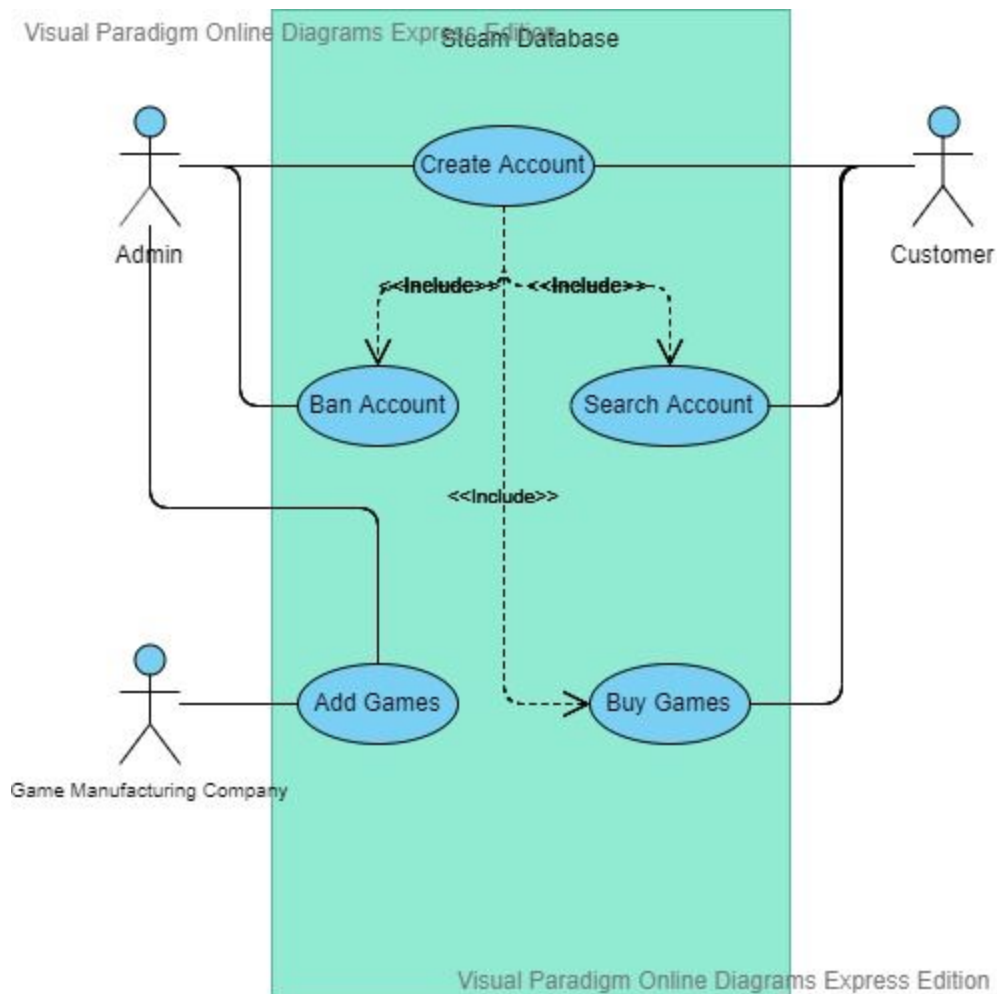


Project Analysis and Design Document

-Phani Tirthala(IMT2017031)

Database: Steam Gaming Database

1. Use Case Diagram



2. Use Case Description

Use case ID: 01

Use Case Name: Create Account

Use Case Description: Making an account for customers.

Actors: Customer, Admin

Flow:

Normal Flow: Customer enters account details and the admin validates details and creates the account.

Exception Flow: Customer enters account details similar to another account hence admin denies the customer.

Use case ID: 02

Use Case Name: Search account

Use Case Description: Search for a gamer their gaming name.

Actors: Customer

Flow:

Normal Flow: Customer searches for another gamer by ID and the database retrieves data about the gamer.

Alternate Flow: Customer searches for another gamer by name and the database retrieves data about the gamer.

Exception Flow: Customer searches for another gamer and no results show up.

Use case ID: 03

Use Case Name: Ban Account

Use Case Description: Remove a customer's account.

Actors: Admin

Flow:

Normal Flow: The admin removes the account of an existing customer's account.

Exception Flow: The admin tries to remove an account but the account does not exist or has already been banned.

Use case ID: 04

Use Case Name: Add Games

Use Case Description: Adds game into the steam database.

Actors: Admin, Game Company

Flow:

Normal Flow: Game Company adds the game to the steam database and the admin permits to do so.

Exception Flow: Game Company adds the game but the game already exists so the admin denies the Game Company to add the game.

Use case ID: 05

Use Case Name: Buy Games

Use Case Description: Customer buys an existing game from the steam database.

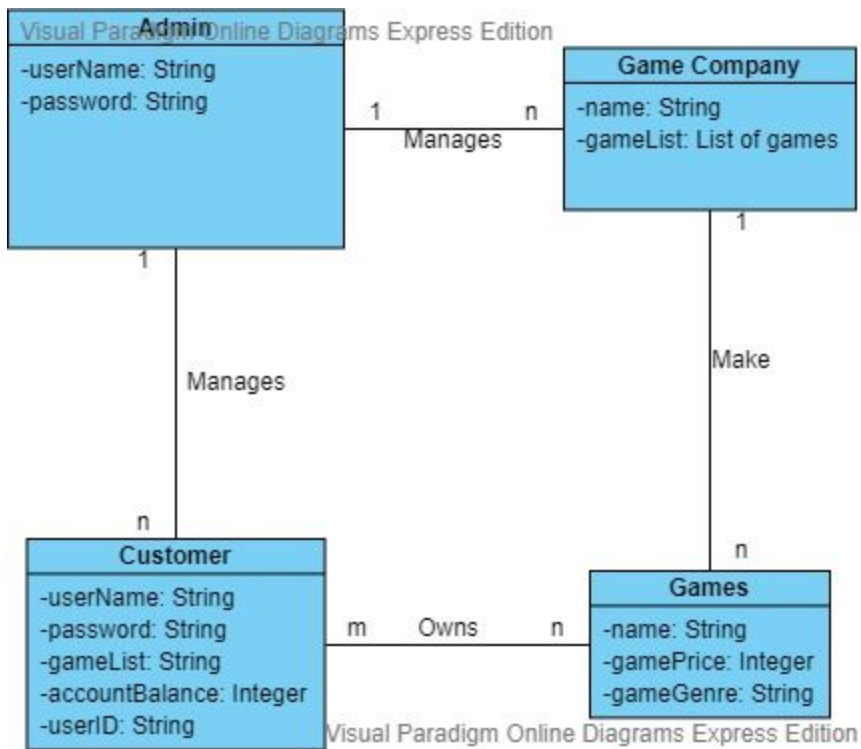
Actors: Customer

Flow:

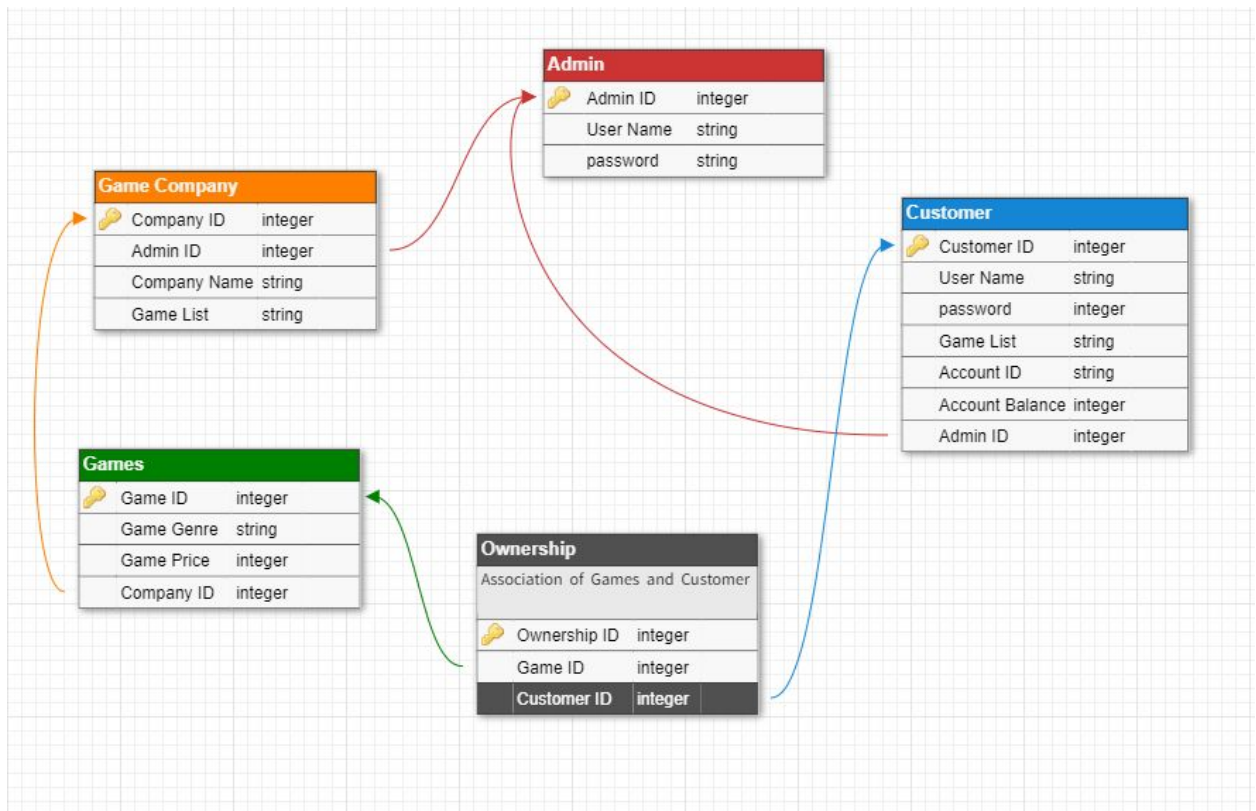
Normal Flow: Customer searches for a game in the steam database and purchases the game with his account balance.

Exception Flow: Customer is unable to purchase the game because of insufficient balance or the customer is unable to find the game.

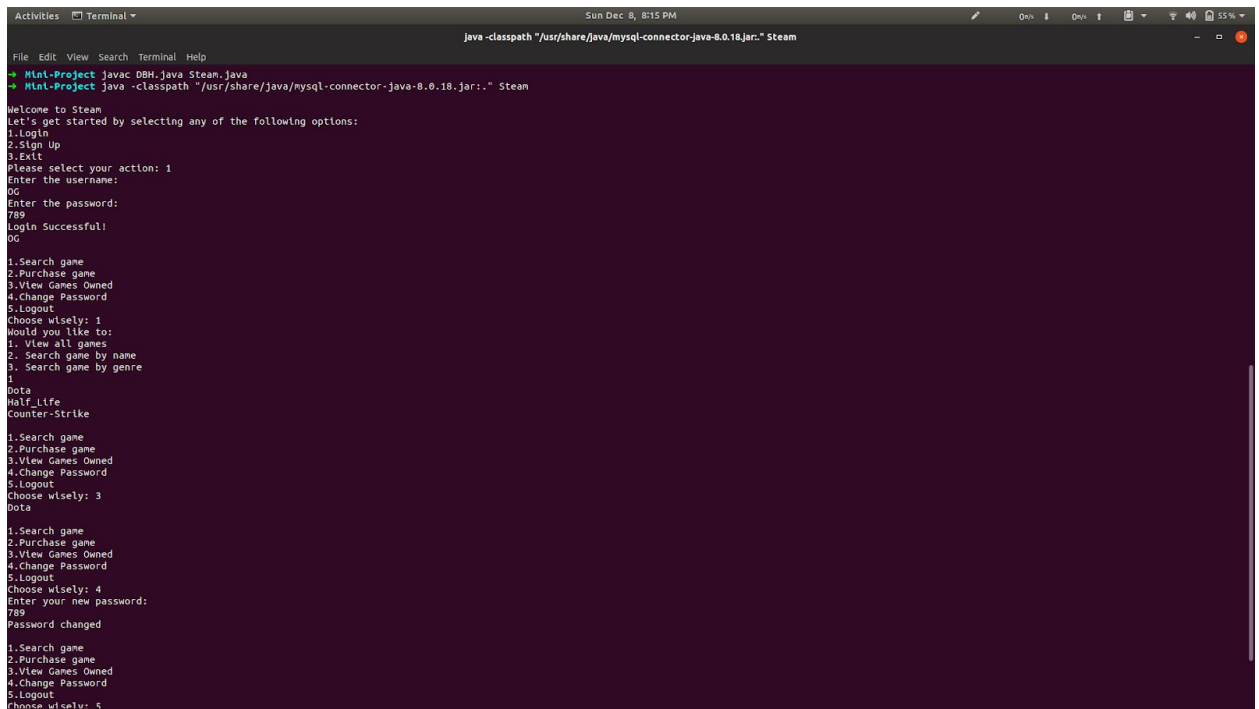
3. Class Diagram



4. Database Table



5. Screen shots



```
Activities Terminal Sun Dec 8, 8:15 PM
java -classpath "/usr/share/java/mysql-connector-java-8.0.18.jar:" Steam

File Edit View Search Terminal Help
+ Mnt-Project javac DBH.java Steam.java
+ Mnt-Project java -classpath "/usr/share/java/mysql-connector-java-8.0.18.jar:" Steam

Welcome to Steam
Let's get started by selecting any of the following options:
1.Login
2.Sign Up
3.Exit
Please select your action: 1
Enter the username:
OG
Enter the password:
789
Login Successful!
OG
1.Search game
2.Purchase game
3.View Games Owned
4.Change Password
5.Logout
Choose wisely: 1
Would you like to:
1. View all games
2. Search game by name
3. Search game by genre
1
Dota
Half-Life
Counter-Strike
1.Search game
2.Purchase game
3.View Games Owned
4.Change Password
5.Logout
Choose wisely: 3
Dota
1.Search game
2.Purchase game
3.View Games Owned
4.Change Password
5.Logout
Choose wisely: 4
Enter your new password:
789
Password changed
1.Search game
2.Purchase game
3.View Games Owned
4.Change Password
5.Logout
Choose wisely: 5
```

```
Activities Terminal Sun Dec 8, 8:22 PM
java -classpath "/usr/share/java/mysql-connector-java-8.0.18.jar:" Steam

File Edit View Search Terminal Help
➔ Mini-Project java -classpath "/usr/share/java/mysql-connector-java-8.0.18.jar:" Steam

Welcome to Stean
Let's get started by selecting any of the following options:
1.Login
2.Sign Up
3.Exit
Please select your action: 2
Enter the username:
killer
Enter the password:
poc
Account created!

Welcome to Stean
Let's get started by selecting any of the following options:
1.Login
2.Sign Up
3.Exit
Please select your action: 1
Enter the username:
killer
Enter the password:
poc
Login Successful!
killer

1.Search game
2.Purchase game
3.View Games Owned
4.Change Password
5.Logout
Choose wisely: 
```

```
Activities Terminal Sun Dec 8, 8:23 PM
brahma@brahma: ~/IIITB/5th sem/Database Systems/lab/Project/Mini-Project

File Edit View Search Terminal Help
poc
Login Successful!
killer

1.Search game
2.Purchase game
3.View Games Owned
4.Change Password
5.Logout
Choose wisely: 3

1.Search game
2.Purchase game
3.View Games Owned
4.Change Password
5.Logout
Choose wisely: 2
Enter the name of the game:
Dota
Game added successfully!

1.Search game
2.Purchase game
3.View Games Owned
4.Change Password
5.Logout
Choose wisely: 3
Dota

1.Search game
2.Purchase game
3.View Games Owned
4.Change Password
5.Logout
Choose wisely: 4
Enter your new password:
pc
Password changed

1.Search game
2.Purchase game
3.View Games Owned
4.Change Password
5.Logout
Choose wisely: 5

Welcome to Stean
Let's get started by selecting any of the following options:
1.Login
2.Sign Up
3.Exit
Please select your action: 3
Thank you for using Stean.
➔ Mini-Project 
```