JDBC DBMS Project
CD SHOP RENTAL

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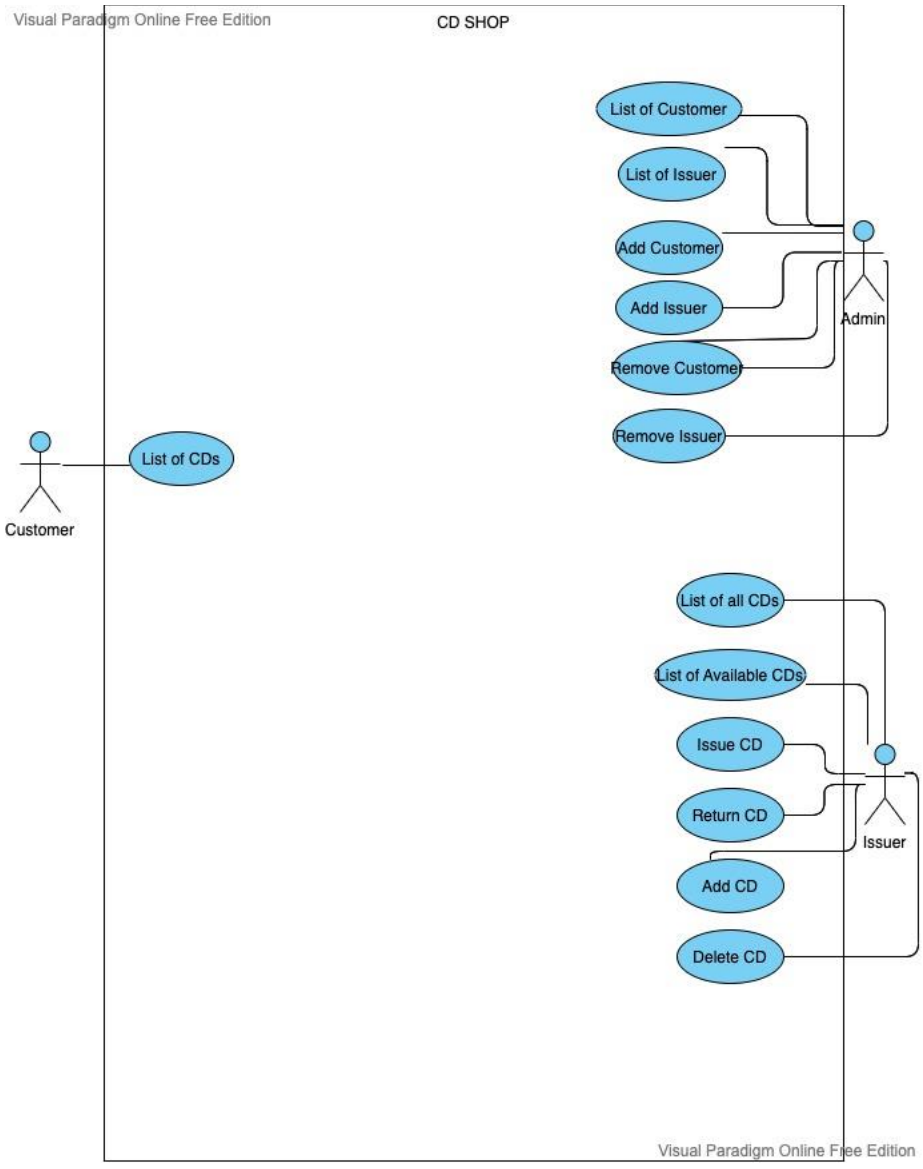
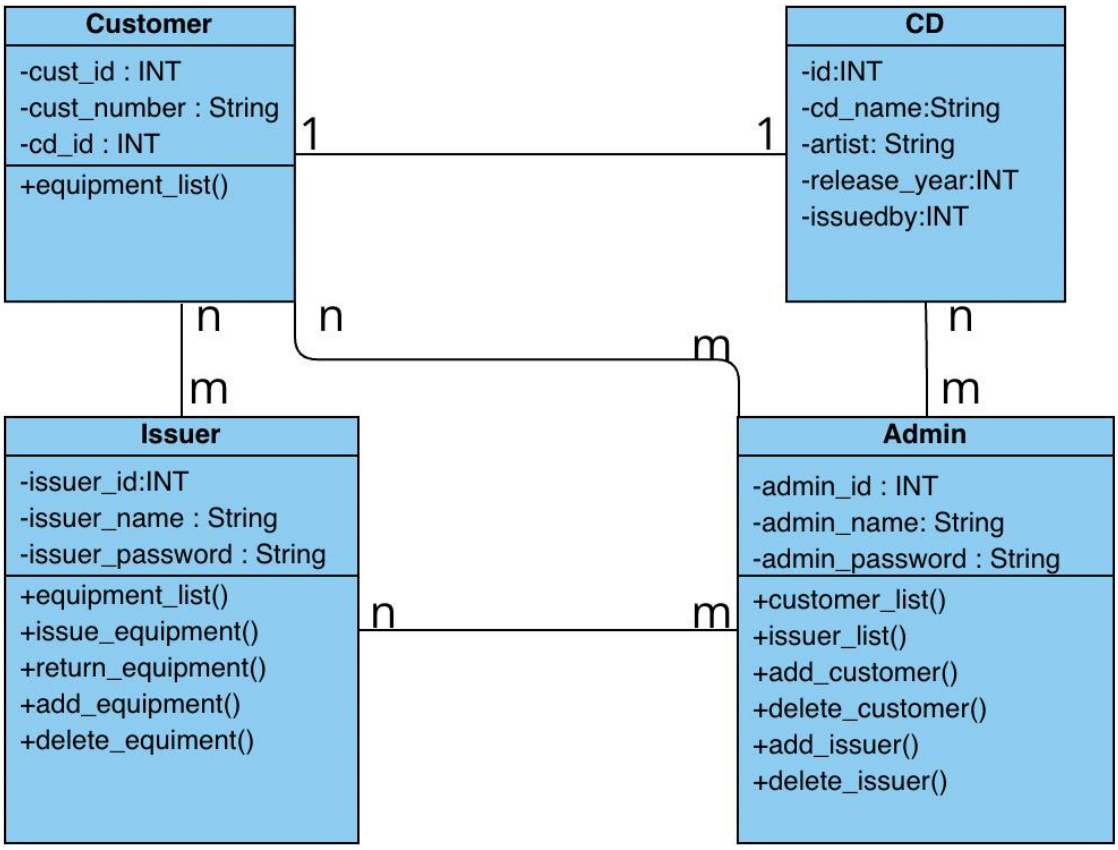
IMT2020502

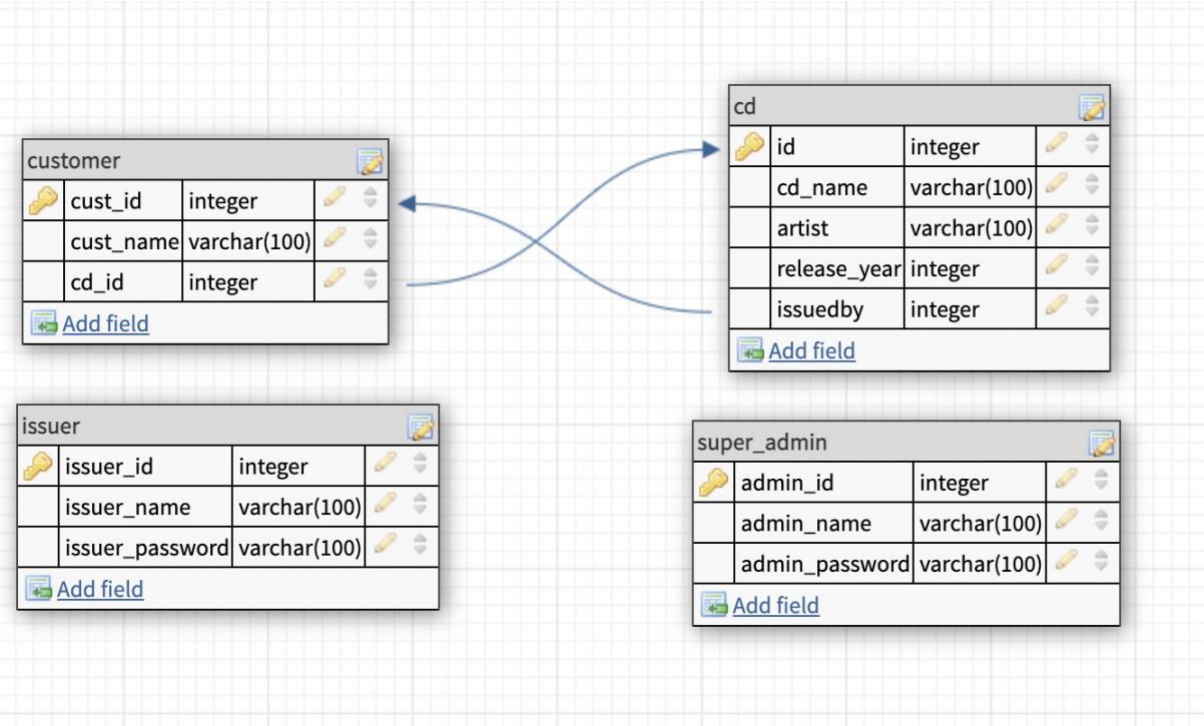
USE CASE DIAGRAM



UML DIAGRAM


Customer
-cust_id : INT
-cust_number : String
-cd_id : INT
+equipment_list()
CD
-id:INT
-cd_name:String
-artist: String
-release_year:INT
-issuedby:INT
1
1
n
m
n
m
n
m
Issuer
-issuer_id:INT
-issuer_name : String
-issuer_password : String
+equipment_list()
+issue_equipment()
+return_equipment()
+add_equipment()
+delete_equiment()
n
m
Admin
-admin_id : INT
-admin_name: String
-admin_password : String
+customer_list()
+issuer_list()
+add_customer()
+delete_customer()
+add_issuer()
+delete_issuer()

OR MAPPING

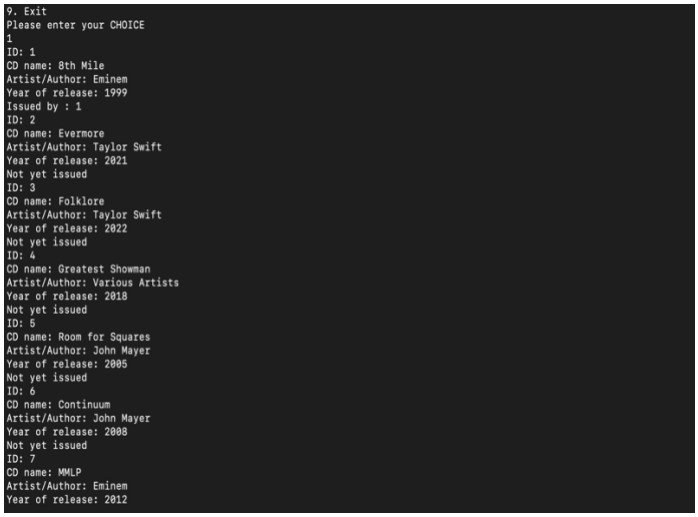


SCREENSHOTS

- Main Menu

```
monjoy@Monjoys-MacBook-Air s10 % java CDSHOP
Loading class `com.mysql.jdbc.Driver'. This is deprecated. The new driver class is `com.mysql.cj.jdbc.Driver'. The driv
er is automatically registered via the SPI and manual loading of the driver class is generally unnecessary.
Welcome to Rent a CD store
How do you want to sign in as ?
1. Customer
2. Issuer
3. Admin
9. Exit
Please enter your CHOICE
```

- Customer



- Issuer

```
Ramesh 1234
Please select one of the following options
1. List of ALL CDs
2. List of AVAILABLE CDs
3. ISSUE CD for a Customer
4. RETURN a CD
5. Add CD
6. Delete CD record
9. Exit
Please enter your CHOICE:
```

```
ID: 6
CD name: Continuum
Artist/Author: John Mayer
Year of release: 2008
ID: 7
CD name: MMLP
Artist/Author: Eminem
Year of release: 2012
ID: 8
CD name: 21
Artist/Author: Adele
Year of release: 2014
ID: 9
CD name: Euphoria
Artist/Author: Various Artist
Year of release: 2022
ID: 10
CD name: Bad Meets Evil
Artist/Author: Dre
Year of release: 2001
Enter CD ID:
9
Enter Customer ID
4

CD issued successfully
Please select one of the following options
1. List of ALL CDs
2. List of AVAILABLE CDs
3. ISSUE CD for a Customer
4. RETURN a CD
5. Add CD
6. Delete CD record
9. Exit
Please enter your CHOICE:
```

```
Please select one of the following options
1. List of ALL CDs
2. List of AVAILABLE CDs
3. ISSUE CD for a Customer
4. RETURN a CD
5. Add CD
6. Delete CD record
9. Exit
Please enter your CHOICE:
4
Enter CD id to return
9




CD returned to store
```

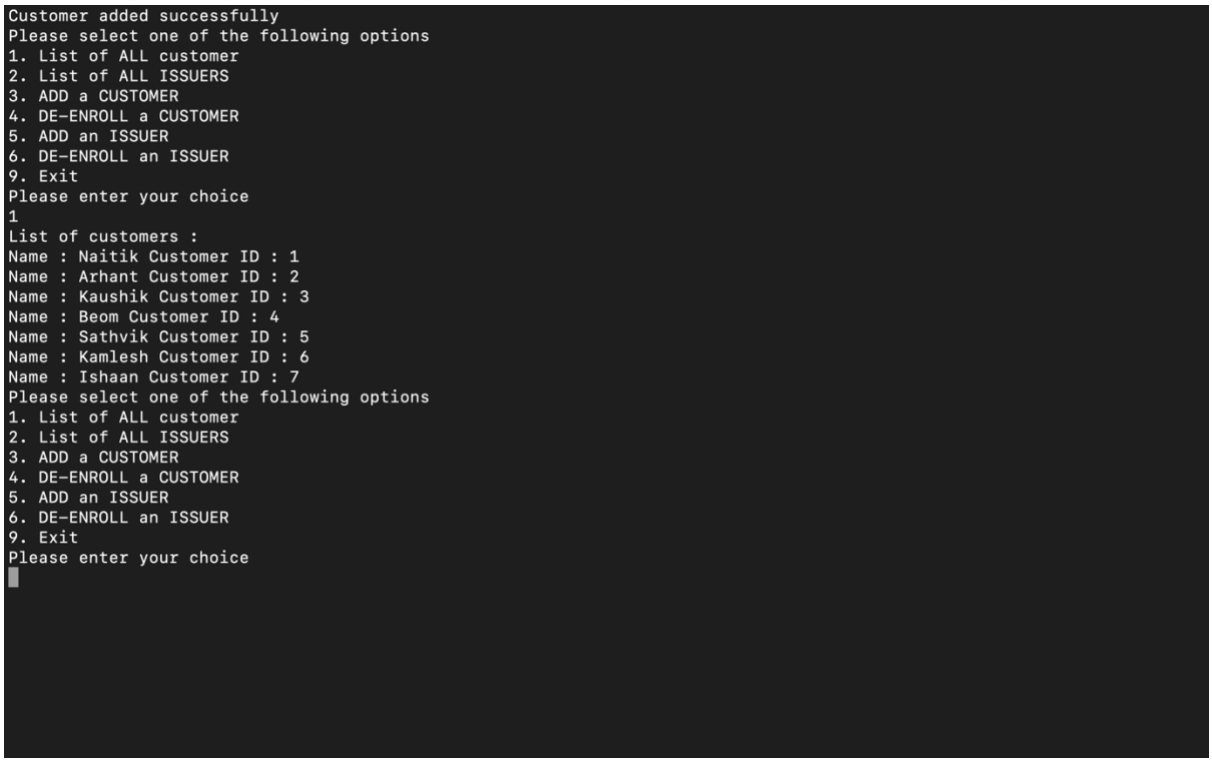
- Admin

```
9
monjoy@Monjoys-MacBook-Air s10 % java CDSHOP
Loading class `com.mysql.jdbc.Driver'. This is deprecated. The new driver class is `com.mysql.cj.jdbc.Driver'. The driv
er is automatically registered via the SPI and manual loading of the driver class is generally unnecessary.
Welcome to Rent a CD store
How do you want to sign in as ?
1. Customer
2. Issuer
3. Admin
9. Exit
Please enter your CHOICE 3

Enter Username: Monjoy

Enter Password: 1234
```

```
Monjoy 1234
Authentication Succesful
Please select one of the following options
1. List of ALL customer
2. List of ALL ISSUERS
3. ADD a CUSTOMER
4. DE-ENROLL a CUSTOMER
5. ADD an ISSUER
6. DE-ENROLL an ISSUER
9. Exit
Please enter your choice
```

```
4. DE-ENROLL a CUSTOMER
5. ADD an ISSUER
6. DE-ENROLL an ISSUER
9. Exit
Please enter your choice
1
List of customers :
Name : Naitik Customer ID : 1
Name : Arhant Customer ID : 2
Name : Kaushik Customer ID : 3
Name : Beom Customer ID : 4
Name : Sathvik Customer ID : 5
Name : Kamlesh Customer ID : 6
Please select one of the following options
1. List of ALL customer
2. List of ALL ISSUERS
3. ADD a CUSTOMER
4. DE-ENROLL a CUSTOMER
5. ADD an ISSUER
6. DE-ENROLL an ISSUER
9. Exit
Please enter your choice
2
List of issuers :
Name : Ramesh Issuer ID : 1
Name : Suresh Issuer ID : 2
Name : Arnab Issuer ID : 3
Please select one of the following options
1. List of ALL customer
2. List of ALL ISSUERS
3. ADD a CUSTOMER
4. DE-ENROLL a CUSTOMER
5. ADD an ISSUER
6. DE-ENROLL an ISSUER
9. Exit
Please enter your choice
```

```
9. Exit
Please enter your choice
3
Enter the name of customer
Ishaan

Customer added successfully
Please select one of the following options
1. List of ALL customer
2. List of ALL ISSUERS
3. ADD a CUSTOMER
4. DE-ENROLL a CUSTOMER
5. ADD an ISSUER
6. DE-ENROLL an ISSUER
9. Exit
Please enter your choice
```



NOTE

Credential for admin :

1)Name : Monjoy
Password : 1234

2)Name: TA
Password : 1234

Credential for librarian :

1)Name : Ramesh

2)Password : 1234

All assumption are mentioned through the UML and OR diagrams.