

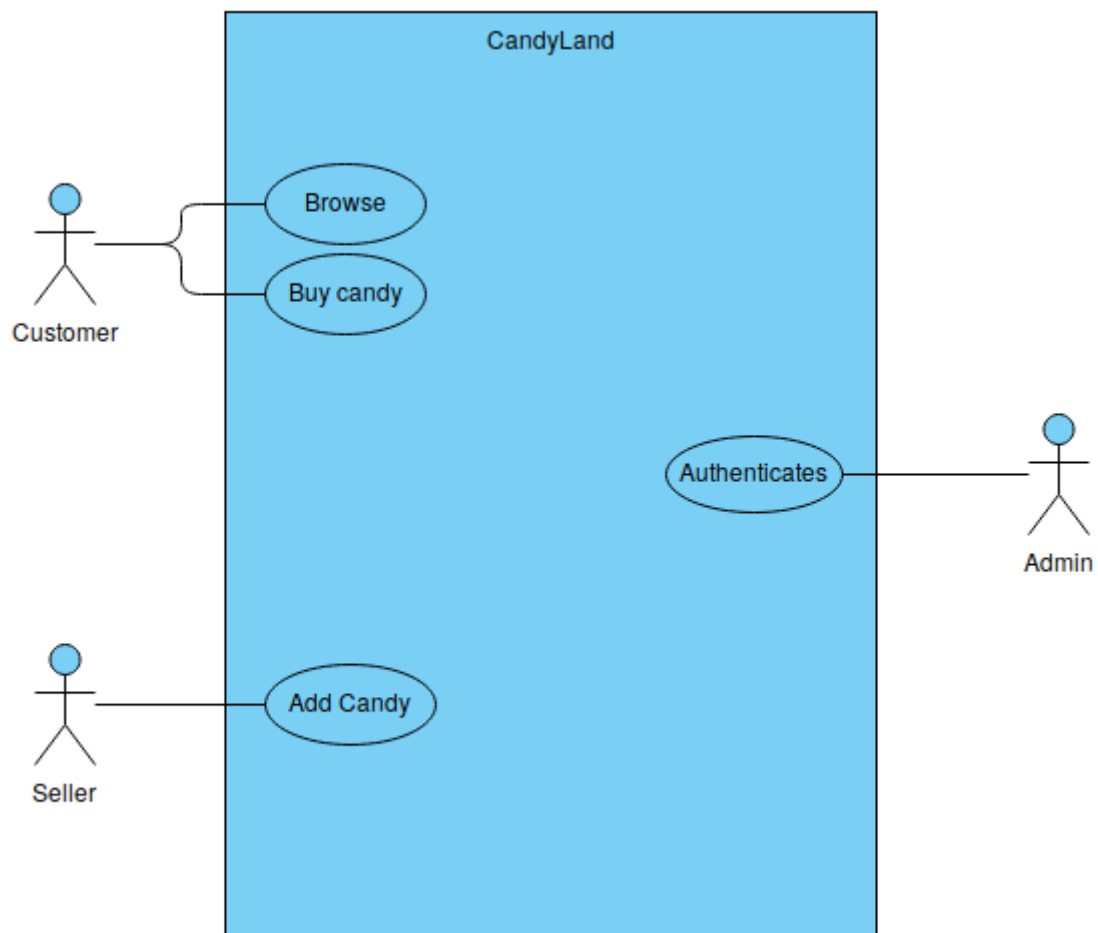
Final DB Lab Project Documentation

by
Brahma Kulkarni
IMT2017011

Database I created: CandyLand

Actors: Admin, Customer, Seller

1. Usecase Diagram



2. Usecase Description

Usecase ID: 1

Usecase Name: Add candy

Usecase Description:

Seller adds candy to the inventory of the CandyLand database

Actors: Seller

Flows:

Normal flow:

- Seller adds a candy bar.

Alternative flow:

- Seller adds more of an already added candy.

Usecase ID: 2

Usecase Name: Authenticates candy

Usecase Description:

Admin authenticates a candy.

Actors: Administrator

Flows:

Normal flow:

- The administrator authenticates a candy
- on being approved, the candy can be bought by a customer

Exceptional flow:

- The administrator tries to authenticate an already authenticated candy.
- The administrator tries to authenticate a candy that wasn't added.

Usecase ID: 3

Usecase Name: Browse candy

Usecase Description:

Customer views all candy before buying.

Actors: Customer

Flows:

Normal flow:

- Customer views all candy in a general view.

Alternate flow:

- Customer views candy by sorting based on one of the many attributes that the candy class has.

Usecase ID: 4

Usecase Name: Buy candy

Usecase Description:

Customer buys a/multiple candy

Actors: Customer

Flows:

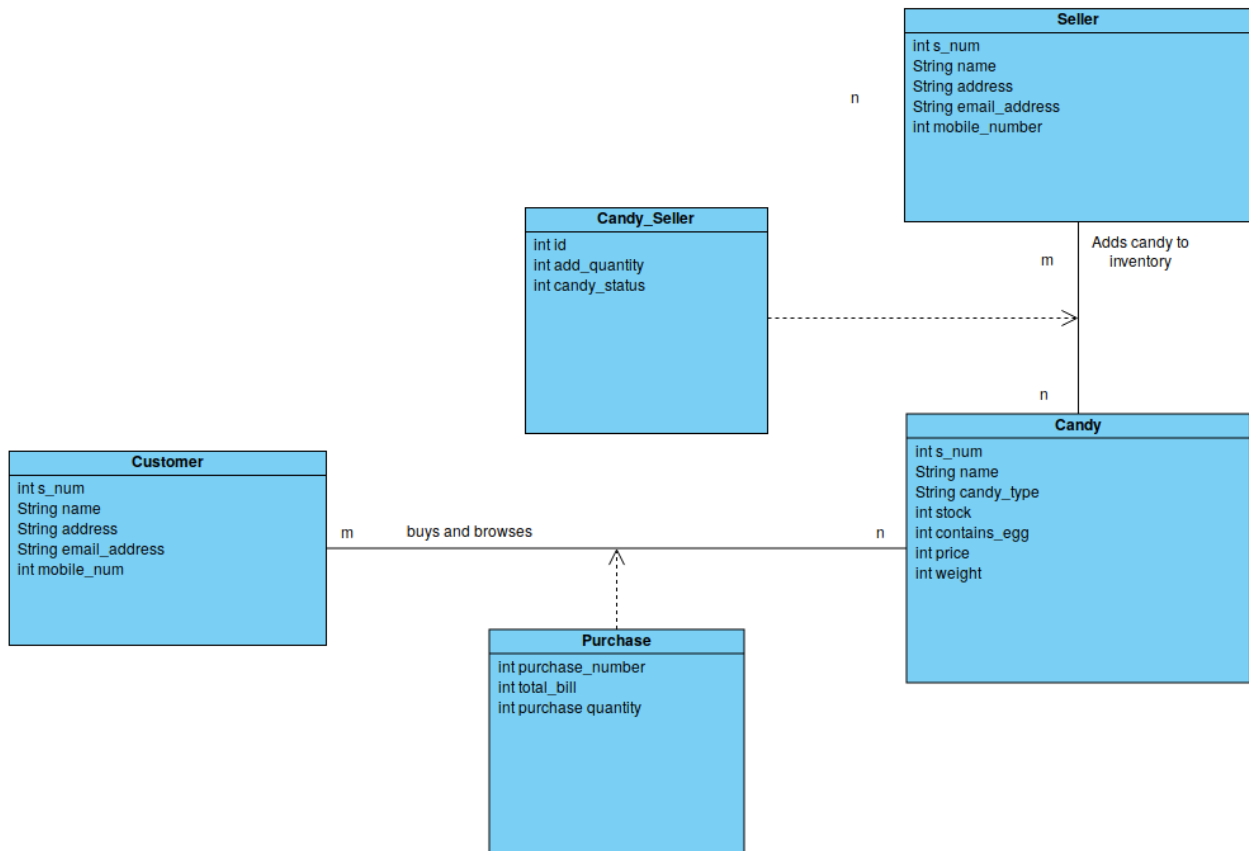
Normal flow:

- Customer wants to buy a candy that is authenticated.
- Customer is able to buy the candy.

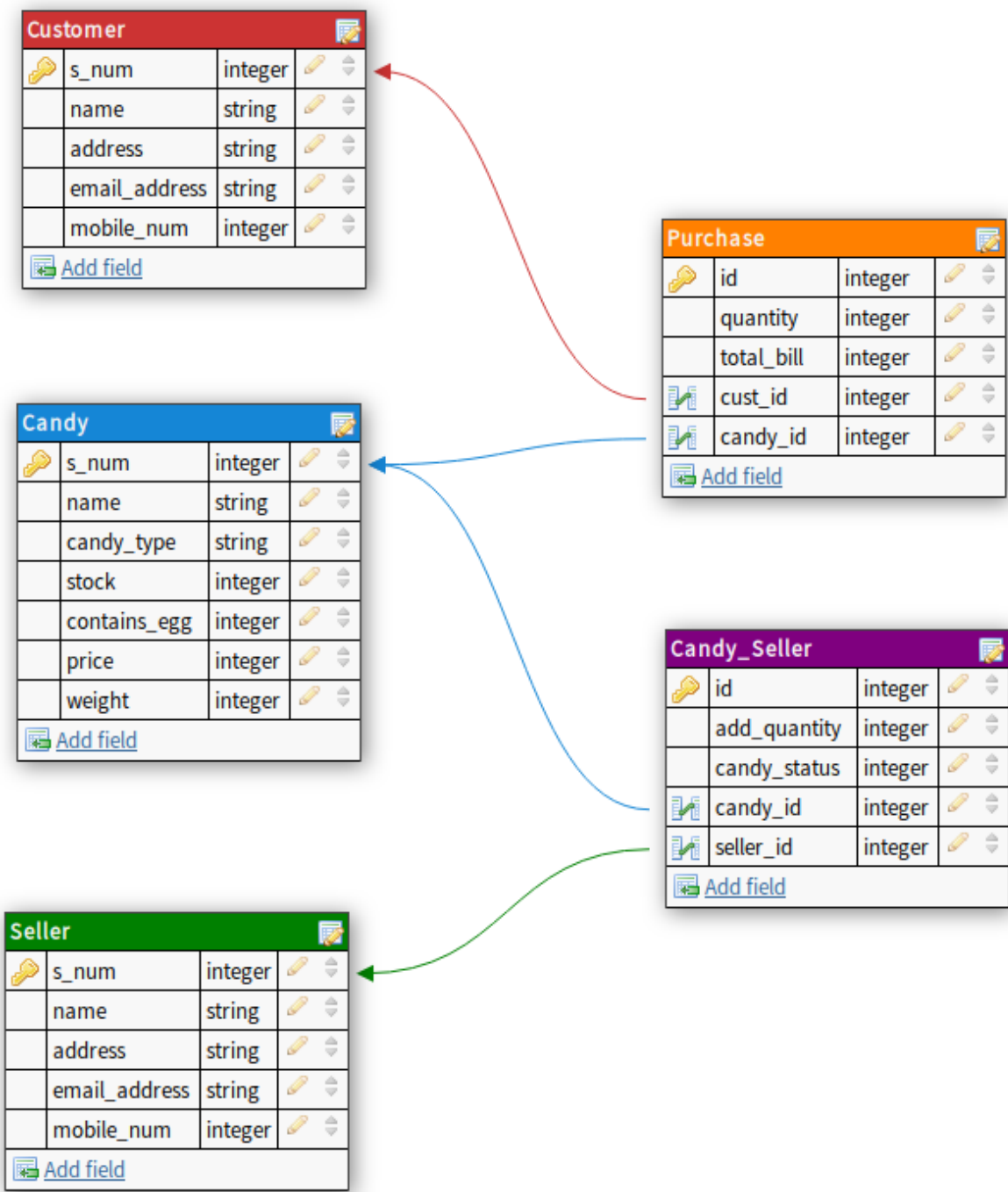
Exceptional flow:

- Customer wants to buy a candy that wasn't added.
- Customer tries to buy an unauthenticated candy.

3. Class Diagram



4. Relational Diagram



5. Screenshots of menus:

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Activities Terminal Sun Dec 8, 4:23 PM
brahma@brahma: ~/IITB/5th sem/Database Systems/lab/Project

File Edit View Search Terminal Help

+ Project java -classpath "/usr/share/java/mysql-connector-java-8.0.18.jar:." App
Connecting to database...
Creating statement...
Welcome to CandyLand!
Please enter the type of user you are (Admin-1, Seller-2, Customer-3)
1
Do you wish to authenticate candy(1=yes, 0=no):
1
Here is a list of unauthorized candy:
There are no unauthorized candy at the moment.
+ Project java -classpath "/usr/share/java/mysql-connector-java-8.0.18.jar:." App
Connecting to database...
Creating statement...
Welcome to CandyLand!
Please enter the type of user you are (Admin-1, Seller-2, Customer-3)
3
Enter id(int):
1
Enter name(string):
brahma
Enter address(string):
hyderabad
Enter email(string):
bk@example.com
Enter mobile number(int):
12345
Customer added.
Choose an option:
1. Browse.
2. Buy a candy.
3. Exit.
Enter option:
1
Here's a list of all available candy:
There are no available candy at the moment.
Choose an option:
1. Browse.
2. Buy a candy.
3. Exit.
Enter option:
2
Enter id of candy you want to buy(int):
1
The candy you chose isn't available. Please check the id you have given.
Choose an option:
1. Browse.
2. Buy a candy.
3. Exit.
Enter option:
3
+ Project
```

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Activities Terminal Sun Dec 8, 4:25 PM
brahma@brahma: ~/IITB/5th sem/Database Systems/lab/Project

File Edit View Search Terminal Help

Connecting to database...
Creating statement...
Welcome to CandyLand!
Please enter the type of user you are (Admin-1, Seller-2, Customer-3)
2
Enter id:
1
Enter name(string):
Cadbury
Enter address(string):
Nanded
Enter email(string):
cd@cadbury.com
Enter mobile num(int):
1234
Seller added.
Do you want to add candy (1=yes, 0=no):
1
Enter the following:
Candy_id(int):
1
Candy name(string):
dairy milk
Candy type(string):
chocolate
Does it contain egg (1-if yes and 0-if no):
0
Price(int):
10
Weight(int):
10
Quantity you wish to add(int):
10
Candy added.
CandySeller link added.
Do you want to add candy (1=yes, 0=no):
0
+ Project
```

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Activities Terminal Sun Dec 8, 4:28 PM
brahma@brahma: ~/IITB/Sth sem/Database Systems/lab/Project

File Edit View Search Terminal Help
Welcome to CandyLand!
Please enter the type of user you are (Admin-1, Seller-2, Customer-3)
3
Enter id(int):
1
Choose an option:
1. Browse.
2. Buy a candy.
3. Exit.
Enter option:
1
Here's a list of all available candy:
There are no available candy at the moment.
Choose an option:
1. Browse.
2. Buy a candy.
3. Exit.
Enter option:
2
Enter id of candy you want to buy(int):
1
The candy you chose isn't available. Please check the id you have given.
Choose an option:
1. Browse.
2. Buy a candy.
3. Exit.
Enter option:
3
→ Project java -classpath "/usr/share/java/mysql-connector-java-8.0.18.jar:." App
Connecting to database...
Creating statement...
Welcome to CandyLand!
Please enter the type of user you are (Admin-1, Seller-2, Customer-3)
1
Do you wish to authenticate candy(1=yes, 0=no):
1
Here is a list of unauthorized candy:
ID: 1; Name: dairy milk; Type: chocolate; Stock: 10; Contains egg: 0; Price: 10; Weight: 10
Enter candy id(int):
1
Candy with id 1 authenticated.
Do you wish to authenticate candy(1=yes, 0=no):
0
→ Project
```

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Activities Terminal Sun Dec 8, 4:29 PM
brahma@brahma: ~/IITB/Sth sem/Database Systems/lab/Project

File Edit View Search Terminal Help
→ Project java -classpath "/usr/share/java/mysql-connector-java-8.0.18.jar:." App
Connecting to database...
Creating statement...
Welcome to CandyLand!
Please enter the type of user you are (Admin-1, Seller-2, Customer-3)
3
Enter id(int):
1
Choose an option:
1. Browse.
2. Buy a candy.
3. Exit.
Enter option:
1
Here's a list of all available candy:
ID: 1; Name: dairy milk; Type: chocolate; Stock: 10; Contains egg: 0; Price: 10; Weight: 10
There are no available candy at the moment.
Choose an option:
1. Browse.
2. Buy a candy.
3. Exit.
Enter option:
2
Enter id of candy you want to buy(int):
1
Enter the quantity of the candy you want to buy(int):
6
Purchase details added.
Choose an option:
1. Browse.
2. Buy a candy.
3. Exit.
Enter option:
1
Here's a list of all available candy:
ID: 1; Name: dairy milk; Type: chocolate; Stock: 4; Contains egg: 0; Price: 10; Weight: 10
There are no available candy at the moment.
Choose an option:
1. Browse.
2. Buy a candy.
3. Exit.
Enter option:
3
→ Project
```

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Activities Terminal
Sun Dec 8, 4:30 PM
brahma@brahma: ~/IITB/Sth sem/Database Systems/lab/Project

File Edit View Search Terminal Help
➔ Project java -classpath "/usr/share/java/mysql-connector-java-8.0.18.jar:." App
Connecting to database...
Creating statement...
Welcome to CandyLand!
Please enter the type of user you are (Admin-1, Seller-2, Customer-3)
2
Enter id:
1
Do you want to add candy (1-yes, 0-no):
1
Enter the following:
Candy_id(int):
1
Quantity you wish to add(int):
10
Candy updated.
CandySeller updated.
Do you want to add candy (1-yes, 0-no):
0
➔ Project java -classpath "/usr/share/java/mysql-connector-java-8.0.18.jar:." App
Connecting to database...
Creating statement...
Welcome to CandyLand!
Please enter the type of user you are (Admin-1, Seller-2, Customer-3)
3
Enter id(int):
1
Choose an option:
1. Browse.
2. Buy a candy.
3. Exit.
Enter option:
1
Here's a list of all available candy:
ID: 1; Name: dairy milk; Type: chocolate; Stock: 14; Contains egg: 0; Price: 10; Weight: 10
There are no available candy at the moment.
Choose an option:
1. Browse.
2. Buy a candy.
3. Exit.
Enter option:
3
➔ Project
```