

CANTEEN MANAGEMENT SYSTEM



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Introduction

Canteen Management System is a Java standalone application which makes it easy for the customers/users to select the type of food they want to take. The system provides the feature to edit, add, delete and select the food item of their choice, also there is no security issues because every user holds a unique username with its password.

It might have happened so many times that we cannot really go out and buy food or running out of fuel/electricity in the kitchen or may be don't have time to cook, well not only in these cases but also for the lack of time issues, this system helps a lot since it is online and automated. Select the food item and the required quantity and just place the order. It saves time, energy and is easy to operate.

Almost every canteen and restaurant need such application in order to give convenience to their customers to let them select the items as per their wish and place the order from wherever they want which is effective and efficient.

Why are you developing this project?

A canteen facility is a supplementary system that is provided by an organization for their employees. Many employees in an organization use the canteen services as they do not have the time and the means to prepare their own food or are unable to get it.

In this era, organizations mostly hold the record of many employees which makes it difficult to manage the canteen with manual process. So, they need a centralized canteen management system that promotes efficiently operations to cover a large organizational workforce. This canteen management system provides a friendly user interface for menu designs, user to login and edit the order as per their needs.

Expected outcomes

- It will provide fast services to their customers. Usually what happened is people must go to the canteen and order the food items, they must wait in a queue for a long time to get their orders.
- It will provide a list of different items in the menu list with two different categories. User can select any item from the canteen and can order it online.
- Users should be able to login with the valid username and password. Users need to enter the username and password to place their order. Also, security is equally important in the system.
- A user will be able to edit the order. Here, users will be able to add, delete, edit and clear the food items from their order.
- It provides an easy user interface. The food items details will be their including the ID, name and price.

Technologies Used in Front-End and Back-End

Front End:

JavaFX: It is a platform of graphics and media packages where designer can create, test, design and debug the desktop applications.

Back End:

MySQL Workbench

Technical Requirements:

JAVA FX

MySQL

JAVA

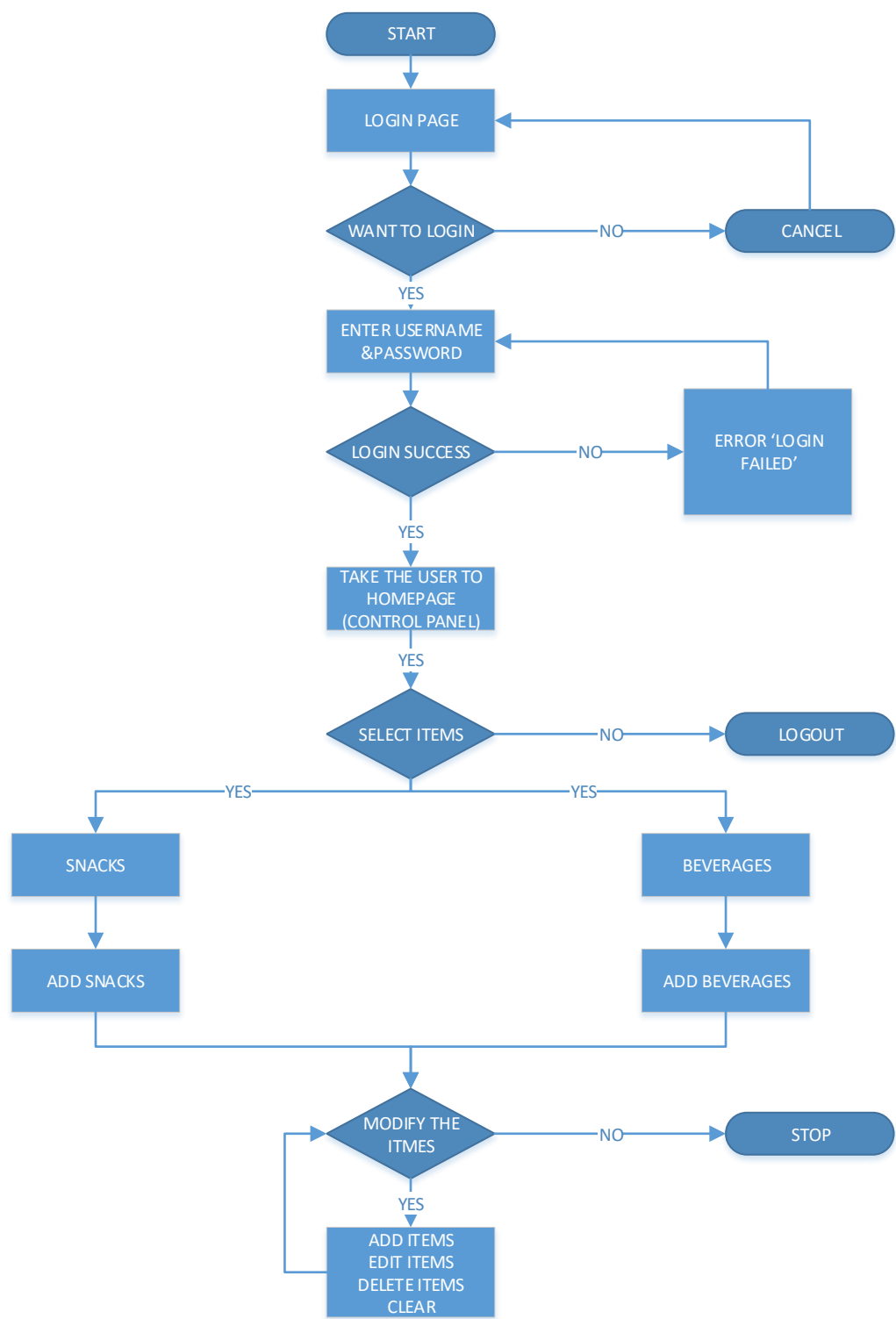
OOP

Tools Used:

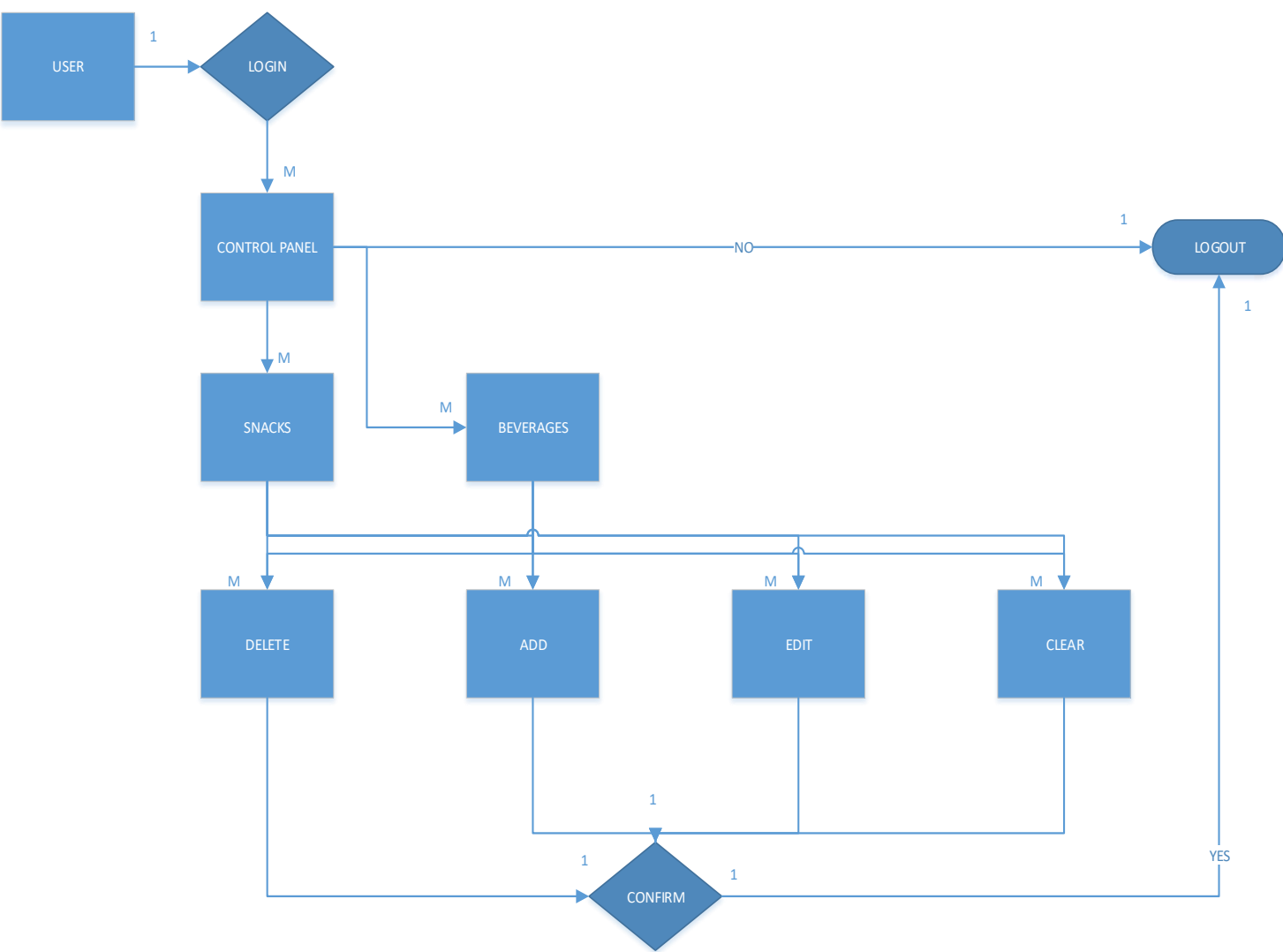
Java Eclipse 2019 09

MySQL Workbench

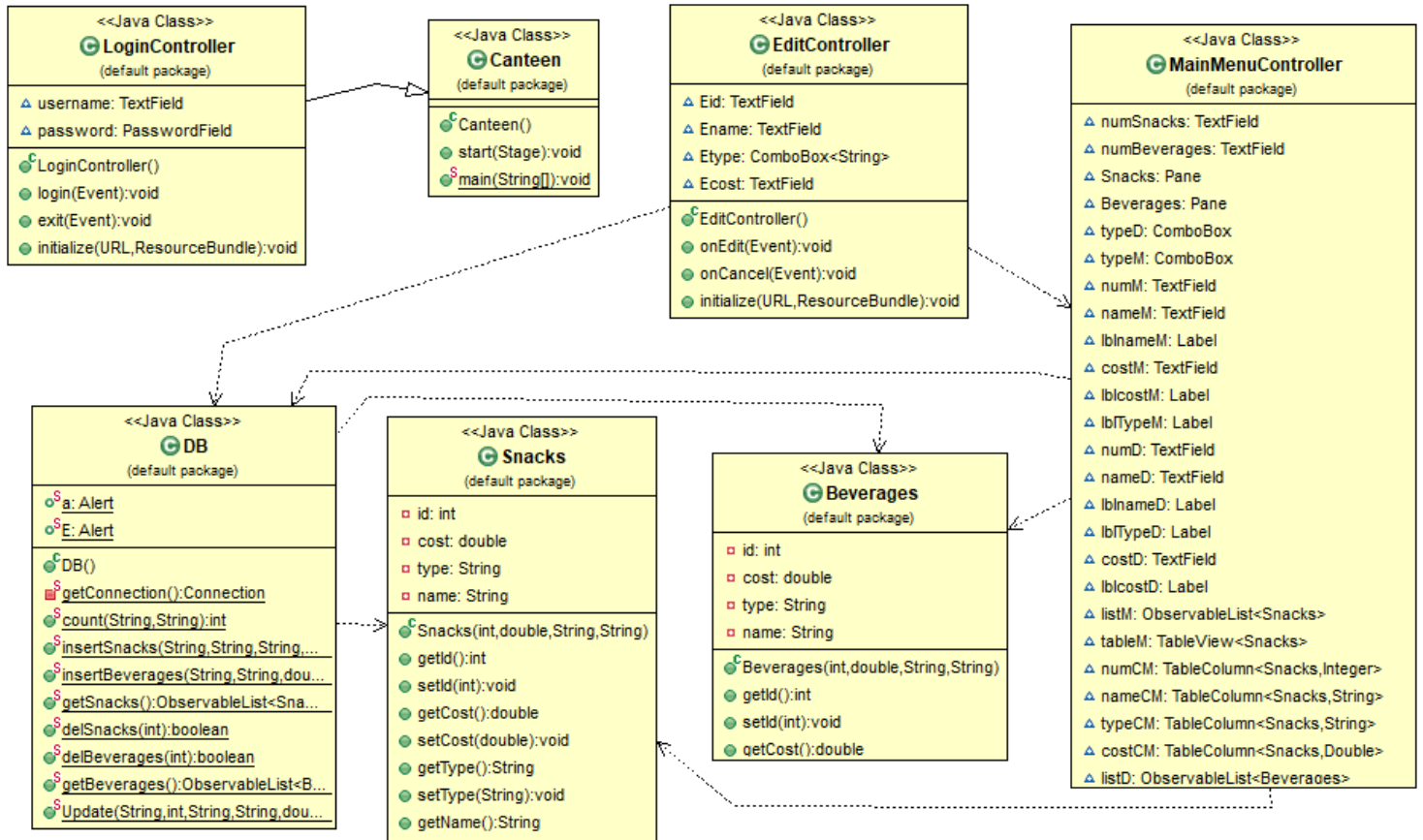
Initial High-Level Architecture



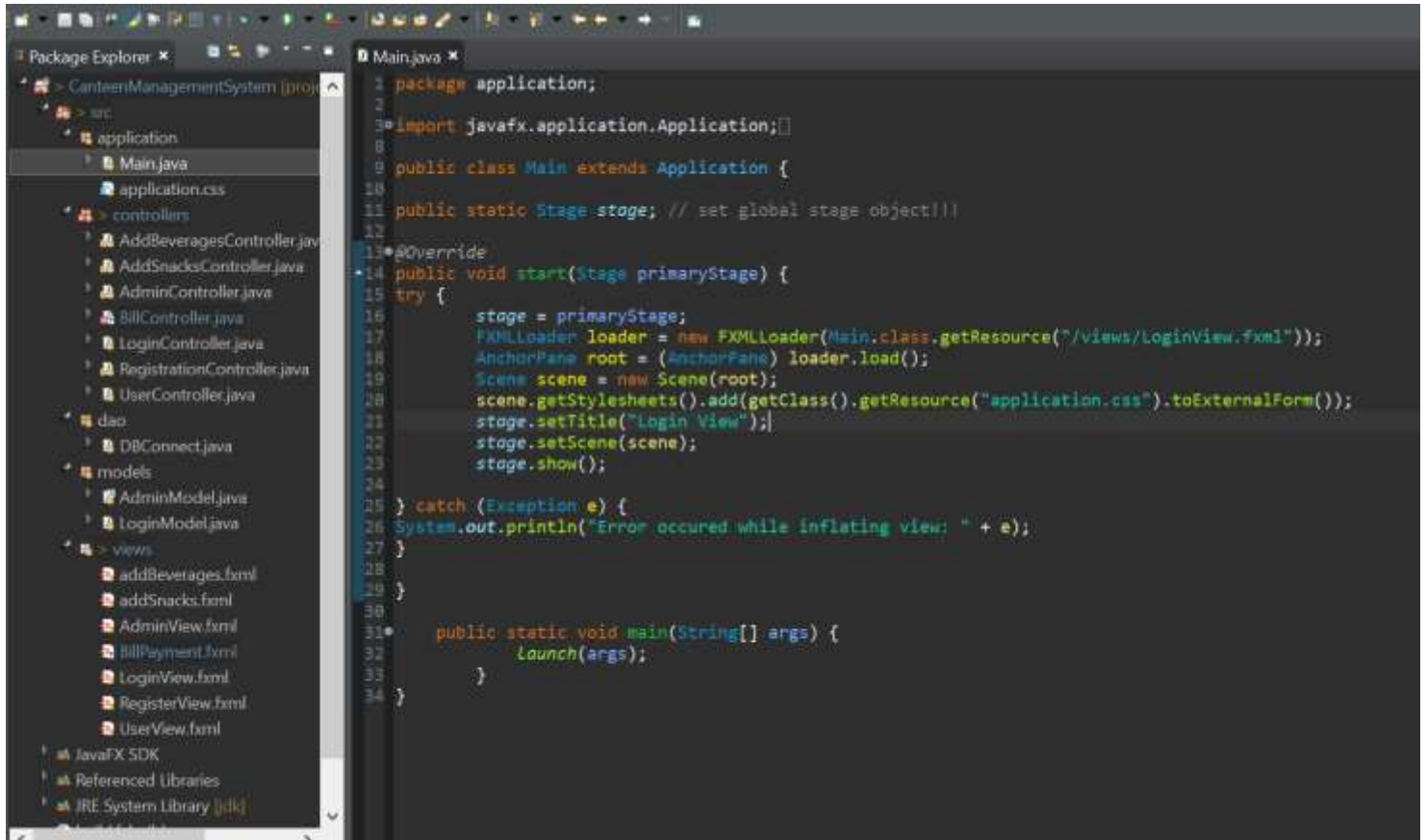
ER Diagram



UML Diagram



Snapshots



Main Class file



Customer Registration Form

UserName:

Email Id:

Password:

Contact Number

Address:

State:

Country:

Zip Code

Register View



LOGIN

EMAIL

PASSWORD

[Forgot Password?](#)

SUBMIT

SIGNUP

Login view



LOGIN

EMAIL

vasu.2104@gmail.com

PASSWORD

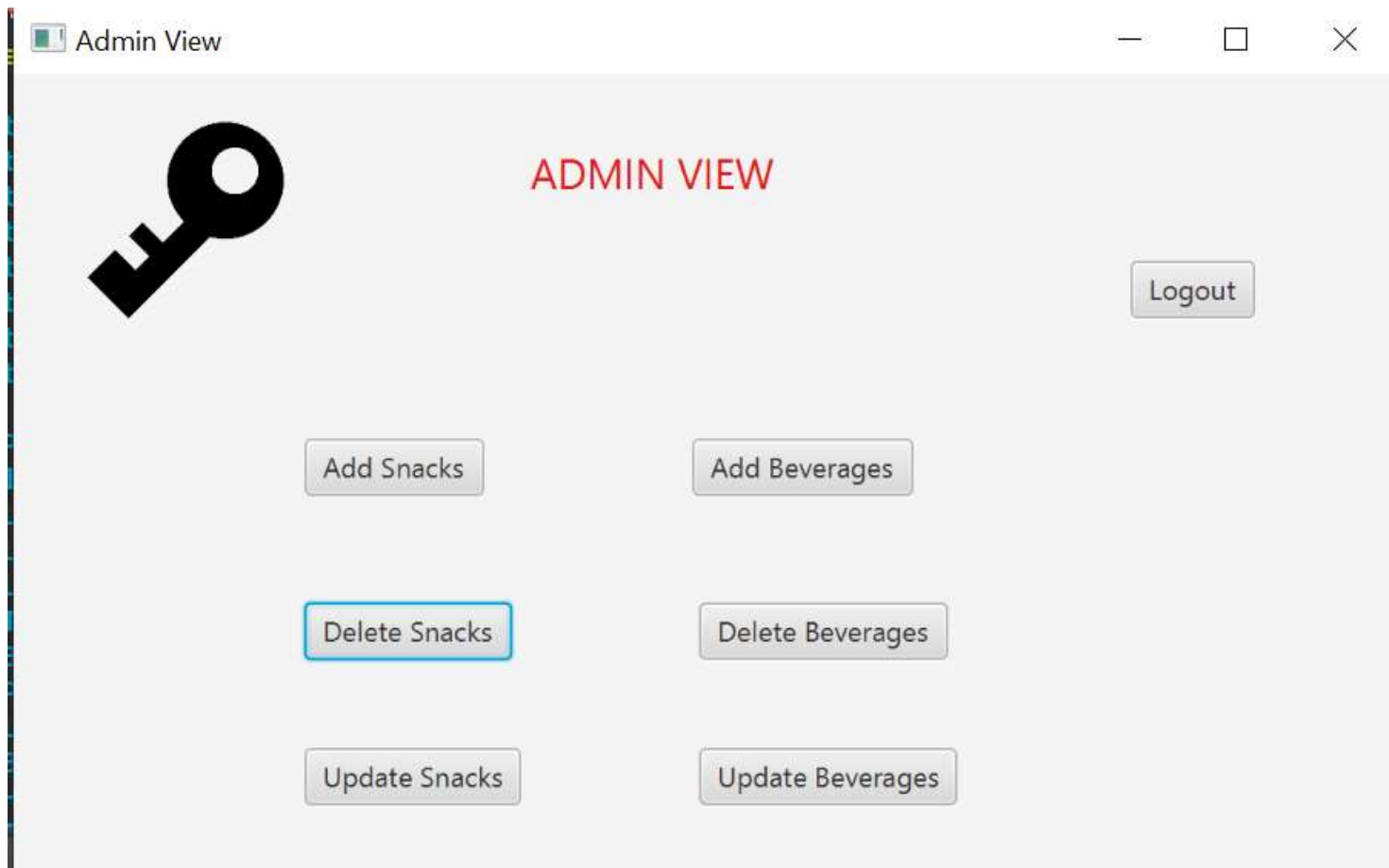
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[Forgot Password?](#)

SUBMIT

SIGNUP

Credentials for Login



Admin view



SNACKS ZONE



Sname


Stype

Scost


Submit

Back

Snacks view




SNACKS ZONE



New Snack Added!!!

×

Add New snacks



You just added a new snack!!!

OK

Sn

St

Scost

Submit

Back

Added new snacks



BEVERAGES ZONE



Bname

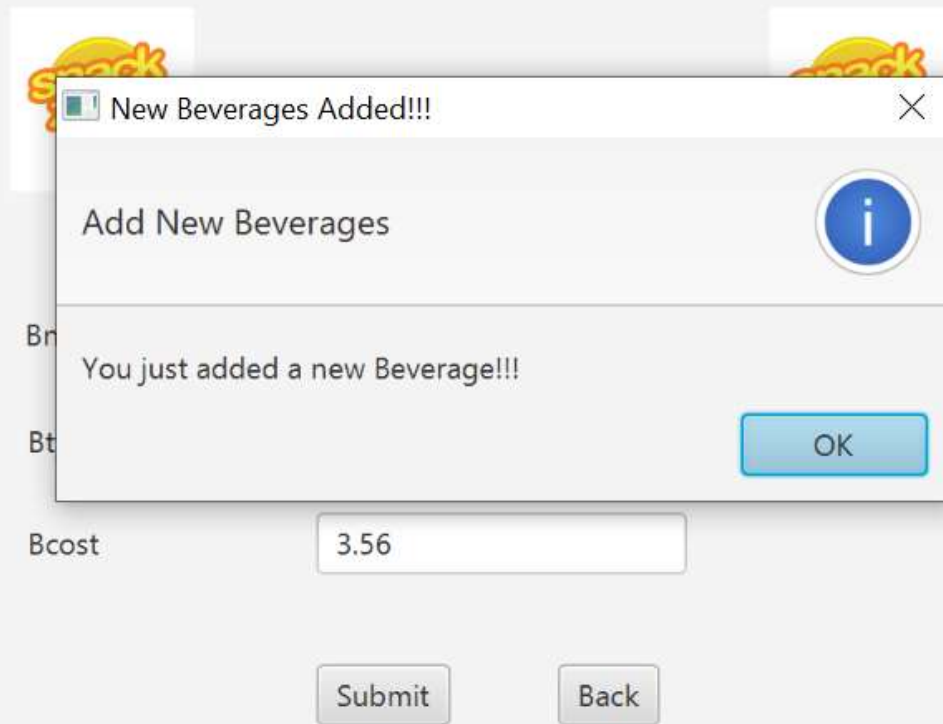
Btype

Bcost

Submit

Back

Beverages



Beverages added



Bill Payment Form

Enter Details:

UserName:

UserId:

Show Customer Details



Amount to Pay:

Name on Card

Confirm Card Number:

Card Validity:

MM:

YYYY:

CVV

Make Payment

Bill payment

Server: localhost:3307 » Database: 510fp » Table: reg_customer

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[\[Create \]](#)

☐ Show all | Number of rows: 25 | Filter rows: Search this table | Sort by key: None

+ Options

					Id	Name	Address	Contact	ZipCode	Country	State
<input type="checkbox"/>					1	Sarthak	Illt Chicago	3128188703	60616	USA	Illinois
<input type="checkbox"/>					2	Shivani	2951 Prarie Shores	3125363309	60616	USA	IL
<input type="checkbox"/>					3	Rahul	bridgeport	7734569875	12345	USA	CA
<input type="checkbox"/>					4	Prashant	Jackson	7735677656	65476	USA	AL
<input type="checkbox"/>					5	John Cena	Lake Meadows	3987654321	61606	USA	AT

☐ Check all | With selected: Edit Copy Delete Export

☐ Show all | Number of rows: 25 | Filter rows: Search this table | Sort by key: None

Query results operations

Print Copy to clipboard Export Display chart Create view

Registration Table

← Server: localhost:3307 » Database: 510fp » Table: snacks1

[Browse](#)
[Structure](#)
[SQL](#)
[Search](#)
[Insert](#)
[Export](#)
[Import](#)

+ Options

				Sid	Sname	Stype	Scost
<input type="checkbox"/>	Edit	Copy	Delete	1	Pasta	Italian	4.500
<input type="checkbox"/>	Edit	Copy	Delete	2	Aaloo Patty	Burger	8.700
<input type="checkbox"/>	Edit	Copy	Delete	3	Rolls	Indian	4.230
<input type="checkbox"/>	Edit	Copy	Delete	4	Hot Dog	Sandwich	9.150
<input type="checkbox"/>	Edit	Copy	Delete	5	Farmhouse	Pizza	7.130
<input type="checkbox"/>	Edit	Copy	Delete	8	Manchurian Roll	Chinese	6.78
<input type="checkbox"/>	Edit	Copy	Delete	9	Pulav	Masala	3.95
<input type="checkbox"/>	Edit	Copy	Delete	10	ChickenLolli	Lollipop	2.34

☐ Check all
 With selected:
 Edit
 Copy
 Delete
 Export

☐ Show all |
 Number of rows: 25 ▼
 Filter rows:
 Sort by key:

Snacks Table

Server: localhost:3307 » Database: 510fp » Table: beverages

Browse
 Structure
 SQL
 Search
 Insert
 Export

`SELECT * FROM `beverages``

☐ Show all | Number of rows: 25 ▼ Filter rows:

+ Options

				Bid	Bname	Btype	Bcost
<input type="checkbox"/>		Edit		Copy		Delete	1 Cappuccino Coffee 1.100
<input type="checkbox"/>		Edit		Copy		Delete	2 Iced Tea Tea 2.200
<input type="checkbox"/>		Edit		Copy		Delete	3 Coke Soft Drink 3.300
<input type="checkbox"/>		Edit		Copy		Delete	4 Slurpee Soft Drink 4.400
<input type="checkbox"/>		Edit		Copy		Delete	5 Iced Coffee Coffee 5.500
<input type="checkbox"/>		Edit		Copy		Delete	6 lime soda 1.000
<input type="checkbox"/>		Edit		Copy		Delete	7 Coffee Starbucks 1.650

☐ Check all With selected: Edit Copy Delete Export

Beverages Table