HOTEL FOOD ORDER SYSTEM

PROJECT REPORT

ABSTRACT OF THE PROJECT

The java project is a user interface for Hotel/Restaurants to allow its customers to order the food with ease. Customers can order any kind of food provided by the particular Restaurant/Hotel and get the total price with taxes included and even options to dine-in or home delivery. Customer also gets option to choose its mode of payment.

CUSTOMER WORKFLOW

1. Customer registers if he has not registered before.
2. Customer logins into the software.
3. Customer selects from a wide variety of cuisines and increments the count of the food item he wishes to order. The price of each food item is listed along side the item.
4. Customer proceeds to pay.
5. Customer checks the total amount and the taxes imposed and selects the option to either dine-in or home delivery.
6. Customer then selects his mode of payment and enjoys.

KEY FUNCTIONS

1. User registration,
2. User login,
3. Fast Food Details,
4. Indian food items,
5. South Indian food list,
6. Punjabi & Gujarati foods,
7. Shopping Cart,
8. Billing,
9. Mode of payment

TECHNOLOGY USED

Language: Java
Framework/Libraries: Swing, AWT
Database: MySQL
Version Control System: Git

STEPS TO RUN THE SOFTWARE

1. Install MySQL server from the official site.
2. Create a user with username - ‘root’ and password - ‘root’.
3. Create a database - ‘fodder’
4. Grant all privileges on database ‘fodder’ to the user ‘root’.
5. Create a table ‘users’ with columns:
    1. id – INT (Primary Key)
    2. USERNAME – VARCHAR(100)
    3. EMAIL – VARCHAR(150)
    4. PASSORD – VARCHAR(100)
6. Run the jar file of the software.

TIMELINE

13 November, 2017
- Created Class Diagram
- Created Use-Case Diagram

14 November, 2017
- Created driver class to connect to the MySQL database
- Created GUI for login and register frames
- Created custom exceptions

16 November, 2017
- Created more custom exceptions
- Updated DatabaseAcess class

17 November, 2017
- Created Customer class
- Created Order class
- Created different FoodItem classes for menu

18 November, 2017
- Added custom fonts
- Added backend for food order
- Created GUI of menu frame
- Updated Customer class

19 November, 2017
- Integrated Login and register GUI with the backend.

25 November, 2017
- Added payment frame
- Polished the GUI of login and register frames
- Added dialogue boxes to show custom error messages
- Added menu items
- Integrated menu frame with the backend
- Integrated payment frame with the backend

26 November, 2017

- Created Class Responsibility Collaborator diagrams
- Final testing of the project
- Project Complete with over 38 commits

FINAL DELIVERABLES

1. Source Code of the working software
2. Class Diagram, Use-Case Diagram, CRC Diagram
3. Project Report
4. Executable jar file

OUR TEAM

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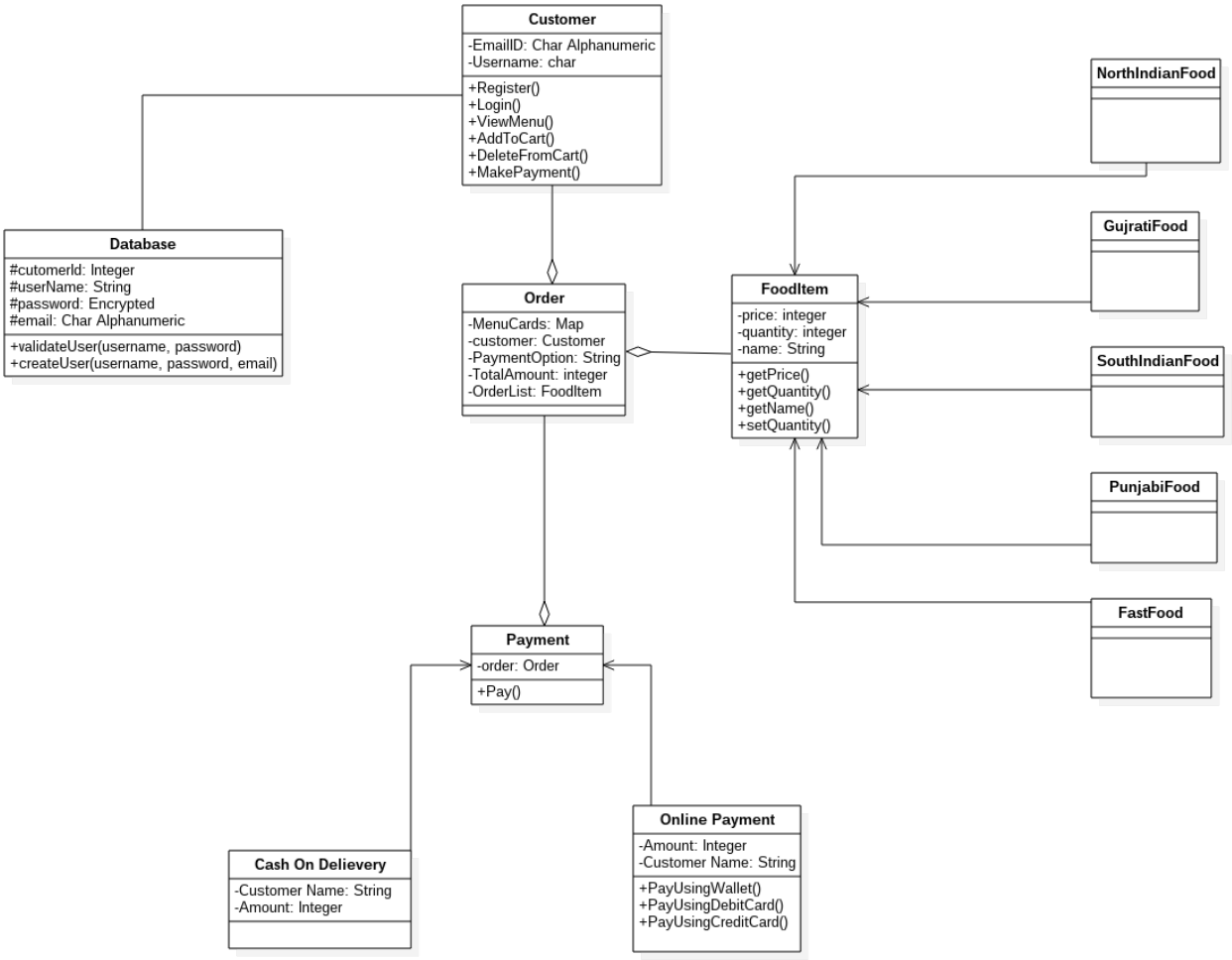
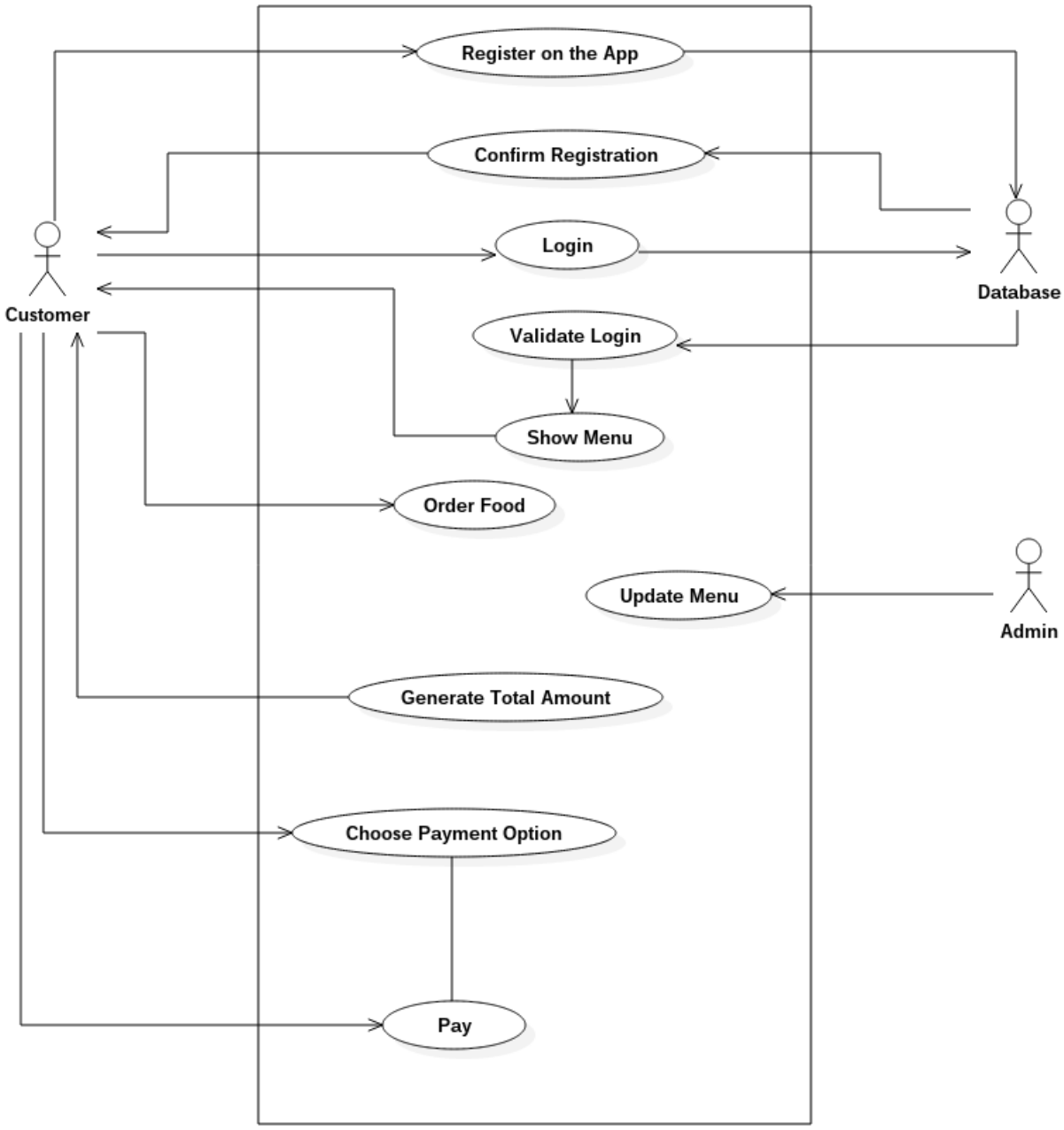
OUR SOURCES OF KNOWLEDGE

- Java The Complete Reference – Herbert Schildt
- Java Study Guide – Kaithy Sierra
- Oracle Documentation
- Stack Overflow

CLASS DIAGRAM



USE CASE DIAGRAM



CLASS RESPONSIBILITY COLLABORATION

Customer	
Update the contents of Cart	Order
Login	DatabaseAccess
Register	DatabaseAccess

DatabaseAccess	
Validate User	Self
Check existence of user	Self

FoodItem	
Store Details of all Food Items	Self

LoginPage	
Taking User Credentials Input Using User Interface	Self

Order	
Update Order	Customer
Get Order	Customer
Get Total Cost	Self

menuPage	
Taking Customer Order Using User Interface	Self

PaymentPage	
Allowing customer to pay in multiple ways and displaying the final order Using User Interface	Self