**Food Order & Delivery System**

***Great Indian Gourmet***  is an online food order and delivery company which has several outlets different cities in India. This organization collects orders from clients , forwards orders to respective restaurants ,collects foods and finally delivers items to clients. It collects payment from clients ,remits to Restaurants and keep a percentage as service charge for itself. Recently this company decide to introduce web based automations.

***The purpose of the System***

**The** followings are the important modules of the system

1. *Restaurtant Service*
2. Restaurant addition /deletion
3. *Customer Service*
4. Customer addition/ deletion & status modification
5. *User Service*
6. User Registration
7. *Order Service*
8. Order Placing.
9. Bill Payment .
10. Commission collection.

***Users of the System***

There are three categories of Users in this system.

1. Super
2. Salesperson
3. Registered Customer

***Scope of the System***

The details of each modules are as follows:

1. **Restaurant Addition**:- Restaurants’ list is maintained as follows:-

|  |  |  |
| --- | --- | --- |
| ID | Name | Type |
| R1001 | ABC | Continental |
| R1002 | PQR | Indian |
| R1003 | XYZ | Multi-cuisine |

When a new restaurant is entered ID will be auto generated. This addition can be done by Super user only. Every Registered restaurant submitted it’s menu with item name and price to the database of Great Indian .

1. **Customer Addition:-** Customer information is maintained as follows:-

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| CNR | Name | Address | Contact No | Email | Status |
| 124568921 | Bobb Haward | Raheja Nagar, Hyderabad | 7843567810 | [bobb@gmail.com](mailto:bobb@gmail.com) | Pending |
| 178461116 | Clare Miller | Anna Nagar,Chennai | 0443245186 | [clare12@yahoo,com](mailto:clare12@yahoo,com) | Cleared |
| 178461115 | Tom Hawk | WhiteField, Bangalore | 849452123 | [tomhawk@rediff.com](mailto:tomhawk@rediff.com) | Pending |
| 124566921 | John Brown | Andheri,Mumbai | 0226741245 | [john.brown@gmail.com](mailto:john.brown@gmail.com) | Cleared |
|  |  |  |  |  |  |

All users can adds a new customer based on email id of Customer. Customer id will be auto generated. Status indicates payment status of last order. Status is of two types Pending or cleared. Default status is Cleared. When a Customer place an order, status automatically changed to Pending. When Customer made payment again Status returned to Cleared. No Pending Customer can go for new order.

1. **User Registration :-** User information will be a follows:-

|  |  |  |  |
| --- | --- | --- | --- |
| UserName | Password | Email | UserType |
| John1 | abc123$ | [john.brown@gmail.com](mailto:john.brown@gmail.com) | Customer |
| Eric | pqr-456 | [eric.hall1970@gmail.com](mailto:eric.hall1970@gmail.com) | Super |
| Lousie3 | rst854!y | [lou.moore80@yahoo.com](mailto:lou.moore80@yahoo.com) | Ordinary |

All Users can create customer user. Only an existing Super user can create another Super user, Ordinary user.

1. **Order Booking:-** All users can place order. Before order , status of Customer will be checked, if status is pending then Order cannot be proceeded . Minimum order must be Rs 500. If Order value >= 2500 ->discount 2.5%, Rs5000 -> 5% and>= Rs 10000 -> 10%. Every order adds 10% of service charge & 12.5% GST on order value. After order finalization , status of Customer turns pending. Order number will be auto generated. Date of Order will be system date. The status of order will be either Waiting or Delivered. A Bill will also generated

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Order No | ClientId | RestaurantId | ItemName | Quantity | Amount | OrderDate | OStatus | PayStatus |
| 124557 | 124568921 | R1001 | Chicken Biryani | 3 | 450 | 10-08-2018 | Delivered | Paid |
| 124557 | 124568921 | R1001 | Mutton DoPiazza | 2 | 350 | 10-08-2018 | Delivered | Paid |
|  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |

1. **Bill Payment: -** Both Super and Ordinary user can Order Payment. The module begins with Order Number as input, displays Order details. It asks for mode of payment, in case Credit/Debit card *card-number* is asked, in case of Net- Banking *transaction id* is requested or Cash. The date of payment will be system date. The status will be updated to clear for customer.
2. **Commission Collection:-** Both Salesperson & Super user can perform this task. If the daily sale of a particular restaurant exceeds a certain amount then ***Great Indian Gourmet***  earns a commission from that restaurant. The rate is if Rs10000>=10%, Rs5000>=5%, but below this no commission earning.

***System Presentation & User Interface :-***

The System will be developed based on Intercommunicating with Services.

Each of the Service will be a independent Spring Boot application.

They will be related through Eureka Server

The User interfaces will be WebPages like Jsp pages.

At Back end, database will be present.