

# **GROCERY MANAGEMENT SYSTEM**

**Under the guidance of:**

Sruthimol Kurian

Mariya Manuel

MCA LE S3

Roll No: 34

## **ABSTRACT**

The Grocery Management System is a web based application which manages products, customers etc. This system can be used to search for all grocery which are available in the market. The proposed system is useful to manage the grocery shop and customers for online shopping. The system reduces lot of workload for customers as well as owners. By this system the product is directly delivered to customers address. There are four types of users in this system, customer, admin, employees, suppliers. The admin can add product, its type, stocks etc.

### **Module Description**

#### **Admin**

In this administration of whole company is to be done. Admin manages following things:

- Manages products
- Manages types
- Manages stock
- Manages suppliers
- Generate reports
- Manages employees

#### **Customer**

- Search, filter, order products
- Make payment
- Give feedback

#### **Employee**

- Manages customers
- View attendance, salary
- Product delivery
- View/edit employee details

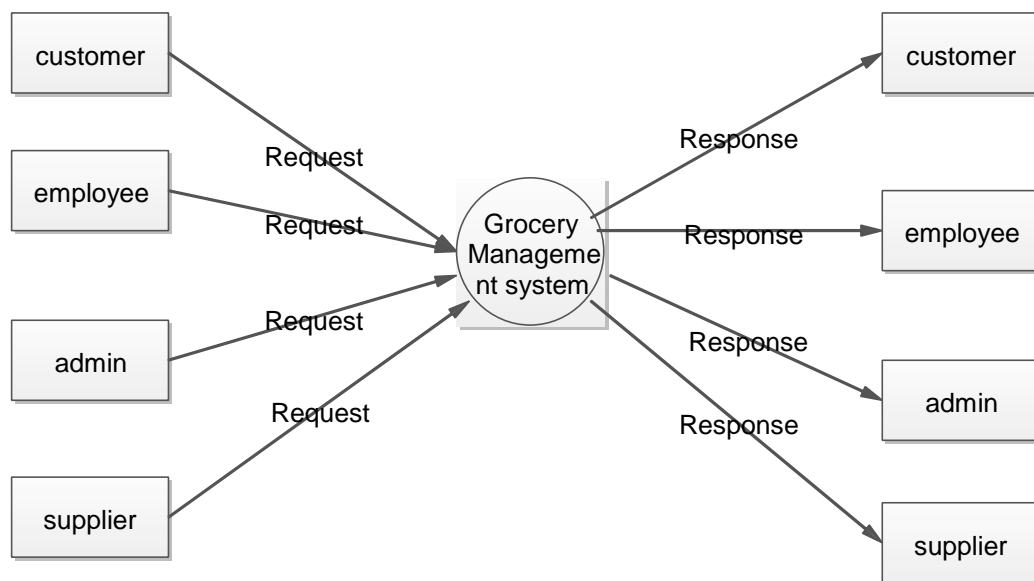
#### **Supplier**

- Deliver products as required

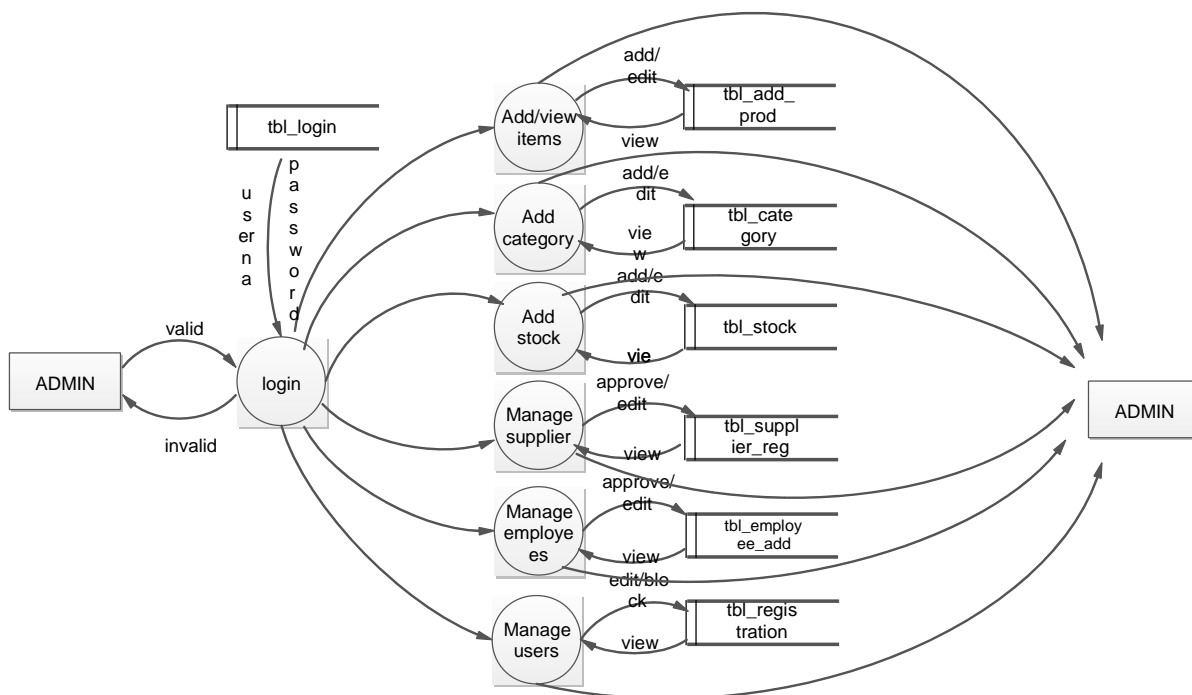
#### **Reports**

- Product Report
- Stock Report
- Customer Report
- Order Report
- Sell Report
- Supplier Report

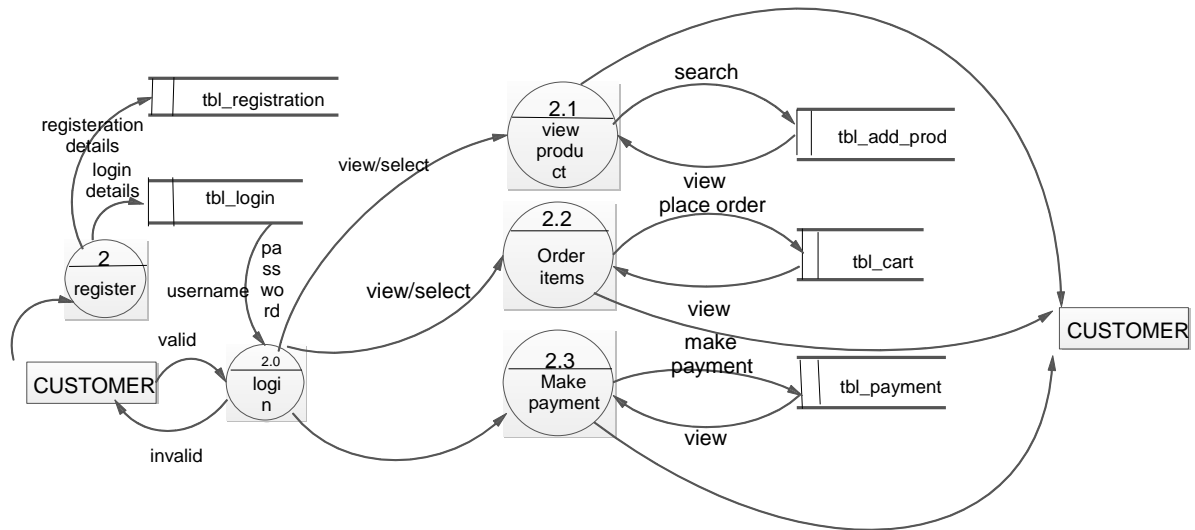
## Level-0



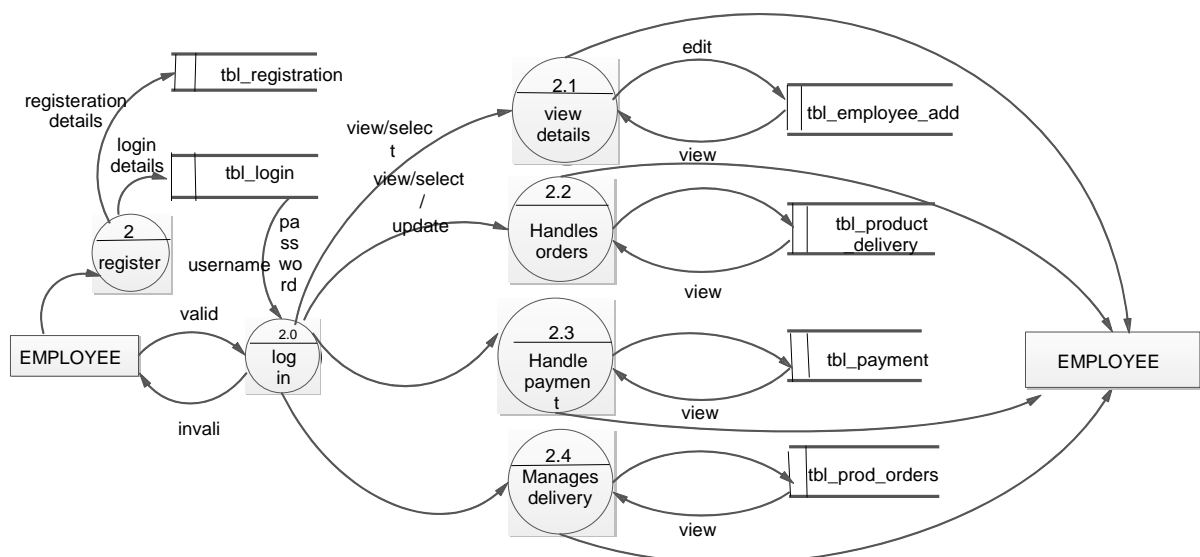
## Admin-level-1



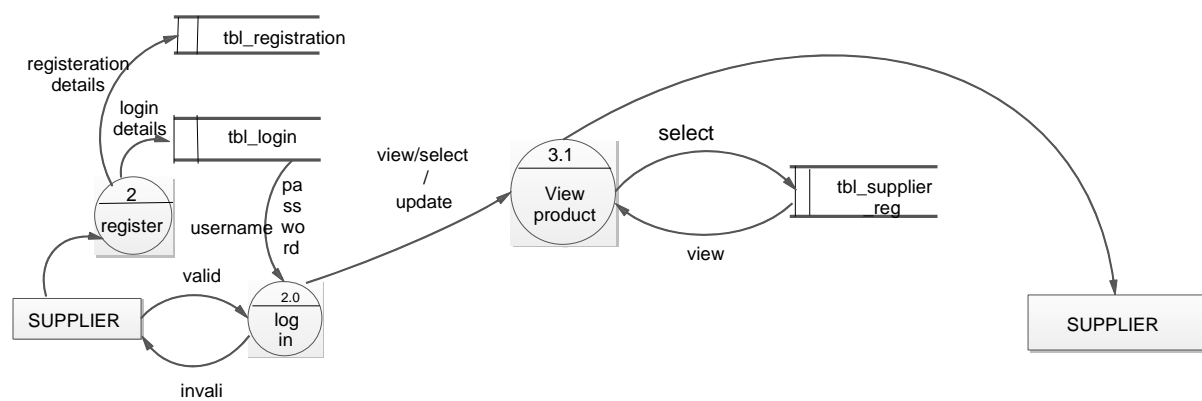
## Customer Level-1



## Employee Level-1



## Supplier Level-1



## TABLE DESIGN

Table No 1: tbl\_login

Primary key: login\_id

S.No	Field Name	Datatype	Description
1	login_id	Int	Primary key to identify user
2	password	varchar	Password of the user
3	Status	Tiny int	Status of the user
4	Role	Int	Role of the user

Table No 2: tbl\_registration

Primary key: reg\_id

Foreign key: login\_id references tbl\_login

city\_id references tbl\_city

S.No	Field Name	Datatype	Description
1	reg_id	Int	Primary key to identify user registration
2	Name	Varchar	Name of user
3	login_id	Int	Id to identify user
4	Phone	Int	Phone number
5	Address	Varchar	Address
6	city_id	Int	Id to identify city
7	Status	Tiny int	Status of user

Table No 3: tbl\_employee\_add

Primary key: emp\_id

Foreign key: login\_id references tbl\_login

city\_id references tbl\_city

S.No	Field Name	Datatype	Description
1	emp_id	int	Primary key to identify employee
2	emp_name	varchar	Employee name
3	city_id	int	Id to identify city
4	login_id	int	Id to identify user
5	emp_addr	varchar	Employee address
6	emp_phone	int	Employee phone
7	emp_gender	varchar	Employee gender
8	Postcode	int	Postcode
9	emp_qual	varchar	Employee qualification
10	desg_id	int	Id to identify designation
11	emp_status	Tiny int	Status of employee

Table No 4: tbl\_add\_product

Primary key: prod\_id

Foreign key: supplier\_id references tbl\_supplier\_re

city\_id references tbl\_city

S.No	Field Name	Datatype	Description
1	prod_id	int	Primary key to identify products
2	prod_name	varchar	Product name
3	image_id	int	Product image
4	prod_desc	varchar	Description
5	prod_price	int	Price of product
6	category_id	int	Id to identify category
7	supplier_id	int	Id to identify supplier
8	city_id	int	Id to identify city
9	prod_status	Tiny int	Status of product
10	reserved quantity	int	Reserved quantity

Table No 5: tbl\_category

Primary key: cat\_id

S.No	Field Name	Datatype	Description
1	cat_id	int	Primary key to identify category
2	cat_name	varchar	Category name
3	Status	tiny int	Status of category

Table No 6: tbl\_stock

Primary key: stock\_id

Foreign key: supplier\_id references tbl\_supplier\_reg

prod\_id references tbl\_add product

S.No	Field Name	Datatype	Description
1	stock_id	int	Primary key to identify stock
2	prod_id	int	Id to identify products
3	supplier_id	int	Id to identify supplier
4	Stocklevel	int	Stock level
5	Costprice	int	Cost price
6	Salesprice	int	Selling price
7	date_received	date	Received date
8	stock_status	tiny int	Status of stock
9	exp_date	date	Expiration date

Table No 7: tbl\_supplier

Primary key: supplier\_id

Foreign key: login\_id references tbl\_login

city\_id references tbl\_city

S.No	Field Name	Datatype	Description
1	supplier_id	int	Primary key to identify supplier
2	supplier-name	varchar	Supplier name
3	login_id	int	Id to identify user
4	supplier_addr	varchar	Supplier address
5	supplier_phone	int	Supplier phone number
6	city_id	int	Id to identify city
7	Postcode	int	Postcode
8	Status	tiny int	Status of supplier

Table No 8: tbl\_cart

Primary key: cart\_id

Foreign key: login\_id references tbl\_login

prod\_id references tbl\_add\_product

S.No	Field Name	Datatype	Description
1	cart_id	int	Primary key to identify cart
2	login_id	int	Id to identify users
3	prod_id	int	Id to identify products
4	cart_quantity	int	Quantity of items
5	cart_status	tiny int	Status of cart
6	total_price	int	Total price

Table No 9: tbl\_prod\_delivery

Primary key: del\_id

Foreign key: login\_id references tbl\_login

cart\_id references tbl\_cart

S.No	Field Name	Datatype	Description
1	del_id	int	Primary key to identify delivery
2	login_id	int	Id to identify users



3	prod_id	int	Id to identify products
4	cart_id	int	Id to identify cart
5	del_date	date	Delivery date
6	del_phone	int	Delivery phone number
7	Address	varchar	Delivery address
8	city_id	int	Id to identify city
9	Postcode	int	Postcode
10	Status	tiny int	Status of delivery

Table No 10: tbl\_district

Primary key: state\_id

Foreign key: state\_id references tbl\_state

S.No	Field Name	Datatype	Description
1	dist_id	int	Primary key to identify districts
2	dist_name	varchar	District name
3	state_id	int	Id to identify state
4	Status	tiny int	Status of district

Table No 11: tbl\_state

Primary key: state\_id

Foreign key: country\_id references tbl\_country

S.No	Field Name	Datatype	Description
1	state_id	int	Primary key to identify states
2	state_name	varchar	State name
3	country_id	int	Id to identify country
4	Status	tiny int	Status of state

Table No 12: tbl\_city

Primary key: city\_id

Foreign key: district\_id references tbl\_district

S.No	Field Name	Datatype	Description
1	city_id	int	Primary key to identify city
2	city_name	varchar	City name
3	district_id	int	Id to identify district
4	Status	tiny int	Status of city

Table No 13: tbl\_designation

Primary key: attend\_id

S.No	Field Name	Datatype	Description
1	desg_id	int	Primary key to identify designation
2	desg_type	varchar	Designation type
3	Status	tiny int	Status of designation

Table No 14: tbl\_attendance

Primary key: attend\_id

Foreign key: emp\_id references tbl\_employee\_add

S.No	Field Name	Datatype	Description
1	attend_id	int	Primary key to identify user's attendance
2	emp_id	varchar	Id to identify employee
3	attend_date	date	Date of attendance
4	Status	tiny int	Status of attendance
5	session	int	Session

Table No 15: tbl\_feedback

Primary key: payment\_id

Foreign key: login\_id references tbl\_login

prod\_id references tbl\_add\_product

S.No	Field Name	Datatype	Description
1	feed_id	int	Primary key to identify user's feedback
2	login_id	int	Id to identify user
3	prod_id	int	Id to identify product
4	Stars	varchar	Ratings

5	Comments	varchar	Comments by user
---	----------	---------	------------------

Table No 16: tbl\_payment

Primary key: payment\_id

S.No	Field Name	Datatype	Description
1	payment_id	int	Primary key of the payment table
2	payment_type	varchar	Type of payment

Table No 17: tbl\_bank\_id

Primary key: ac\_id

S.No	Field Name	Datatype	Description
1	bank_id	int	Primary key to identify bank
2	bank_name	varchar	Bank name
3	Branch	varchar	Branch of bank
4	Ifsc	varchar	IFSC code

Table No 18: tbl\_account

Primary key: ac\_id

S.No	Field Name	Datatype	Description
1	ac_id	int	Primary key to identify user account
2	ac_no	int	Account number
3	ac_pin	int	Pin Number
4	Cardno	varchar	Card number
5	Balance	varchar	Balance in the account
6	Status	Tiny int	Status of account

Table No 19: tbl\_prod\_order

Primary key: order\_id

Foreign key: login\_id references tbl\_login

prod\_id references tbl\_add\_product

S.No	Field Name	Datatype	Description
1	order_id	int	Primary key to identify user order
2	prod_id	int	Product details
3	quantity	int	Quantity of product
4	ord_date	date	Order date
5	Price	int	Price of product
6	payment_id	int	Payment details
7	login_id	int	User details
8	Status	tiny int	Status of user

Table No 20: tbl\_wages

Primary key: wage\_id

Foreign key: emp\_id references tbl\_employee\_add

S.No	Field Name	Datatype	Description
1	wage_id	int	Primary key to identify wages
2	emp_id	int	Details of employee
3	payrollperiod	int	Payroll period
4	Basicpay	int	Basic pay for employee
5	Date	date	Paid date
6	Startday	date	Start date
7	Endday	date	End date
8	grosspay	int	Gross pay
9	deduction	int	Deductions in payment
10	netpay	int	Total payment

Table No 21: tbl\_wage\_paid

Primary key: wage\_id

S.No	Field Name	Datatype	Description
1	wage_id	int	Primary key to identify wage paid
2	pending_status	tiny int	Status of paid wages

Table No 22: tbl\_distributor

Primary key: distributor\_id

Foreign key: city\_id references tbl\_city

S.No	Field Name	Datatype	Description
1	distributor_id	int	Primary key to identify distributors
2	distributor_name	varchar	Name of distributor
3	address	int	address
4	Phone	varchar	phone number
5	city_id	varchar	id to idenfy plces
6	postcode	int	postcode
7	Status	Tiny int	Status of distributor

Table No 23: tbl\_image

Primary key: p\_image\_id

Foreign key: prod\_id references tbl\_add\_product

S.No	Field Name	Datatype	Description
1	p_image_id	int	Primary key to identify product image
2	filename	varchar	Name of image
3	fileformat	varchar	type of image
4	prod_id	int	id to identify products
5	Status	Tiny int	Status of images