

Acknowledgement

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Introduction of Project

- Bhramani Electricals Lights & Lamps is an online shopping website about Lamp and Light.
- Latest lights features or smart lights, decorative lights, garden lights, indoor and outdoor lights, LED lights etc. are available on our website.

Project Profile

Project Title : Bhramani Electricals Lamps & Lights

Objective : For buying Lamps & Lights through e-commerce website

Type : Website

Duration : 6 Months

Disadvantages of Existing System

- Shop is not available 24 / 7.
- Customer has to visit shop physically.
- Many a times stock is not sufficient in shop for the customer to get the clear picture of the products.

Advantages of the New System

- Shop is available 24 / 7 so that customers can shopping anytime, anywhere, anyway.
- Different Collection of items are available so that customers has transparency and acceptability for easy selection of product and view more products.

Objective of the System

- Admin can manage whole website.
Like, Manage category
Manage sub - category
Manage products
- User can select and purchase product.
- User can also add their selected product into wish-list.
- User can give feedback and read another feedback.
- Admin read feedback and report it.
- Visitors view product, view feedback, search product.

Tools and Technology

Operating System : Window 11

Front – Ended : HTML, CSS (106.0.5249.119)

Back – Ended : PHP (version 7.0), MySQL
(version 8.0)

Other tools : MS Office

Server : Visual Studio Code (version
1.72.0)

Entities of System

- ADMIN
- CUSTOMER
- VISITOR

ADMIN

- login
- forgot / reset password
- manage users
- manage category
- manage subcategory
- manage product
- manage order
- manage feedback
- report
- logout

CUSTOMER

- registration
- login
- forgot / reset password
- view category
- view subcategory
- view product
- place order
- manage wish-list
- give / view feedback
- logout

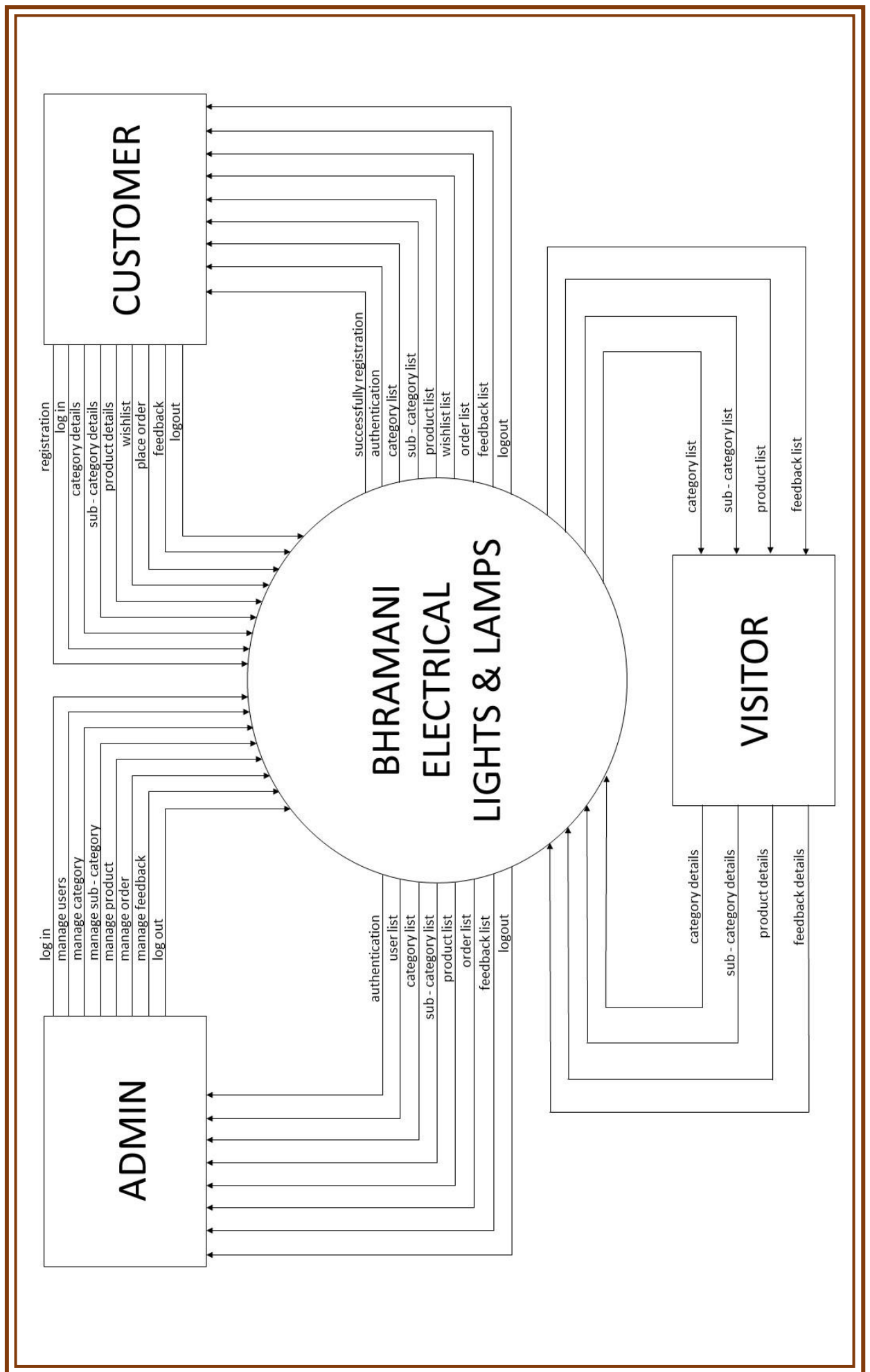
VISITOR

- view category
- view subcategory
- view product
- view feedback

Data Flow Diagram

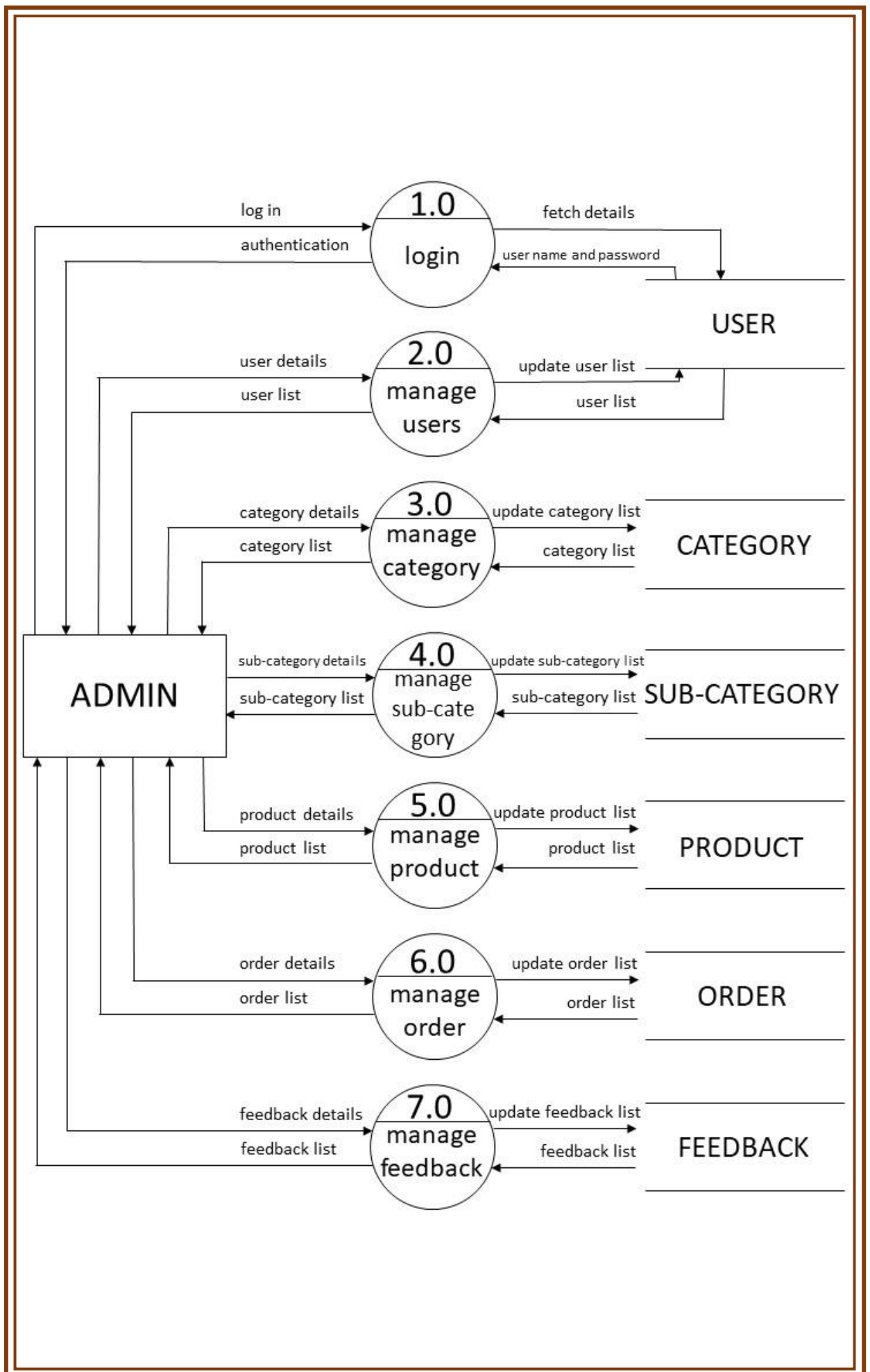
- Context level Diagram
- 1st Level DFD – ADMIN
- 1st Level DFD – CUSTOMER
- 1st Level DFD – VISITOR
- 2nd Level DFD for ADMIN
 - login process
 - category process
 - sub-category process
 - product process
- 2nd Level DFD for CUSTOMER
 - login process
 - order process

Context level Diagram for
Bhramani Electricals Lamps & Lights



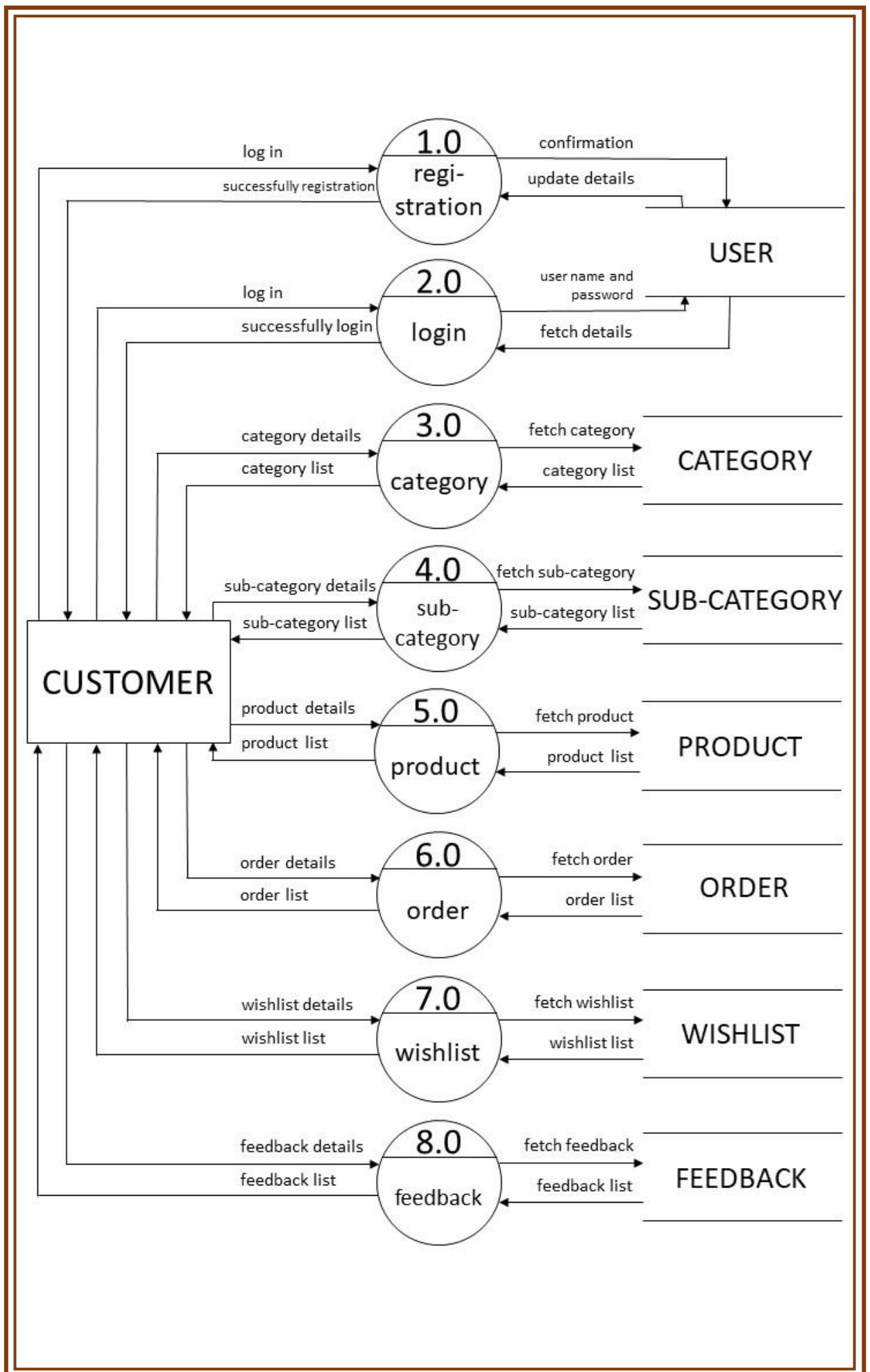
1st Level Data Flow Diagram

ADMIN



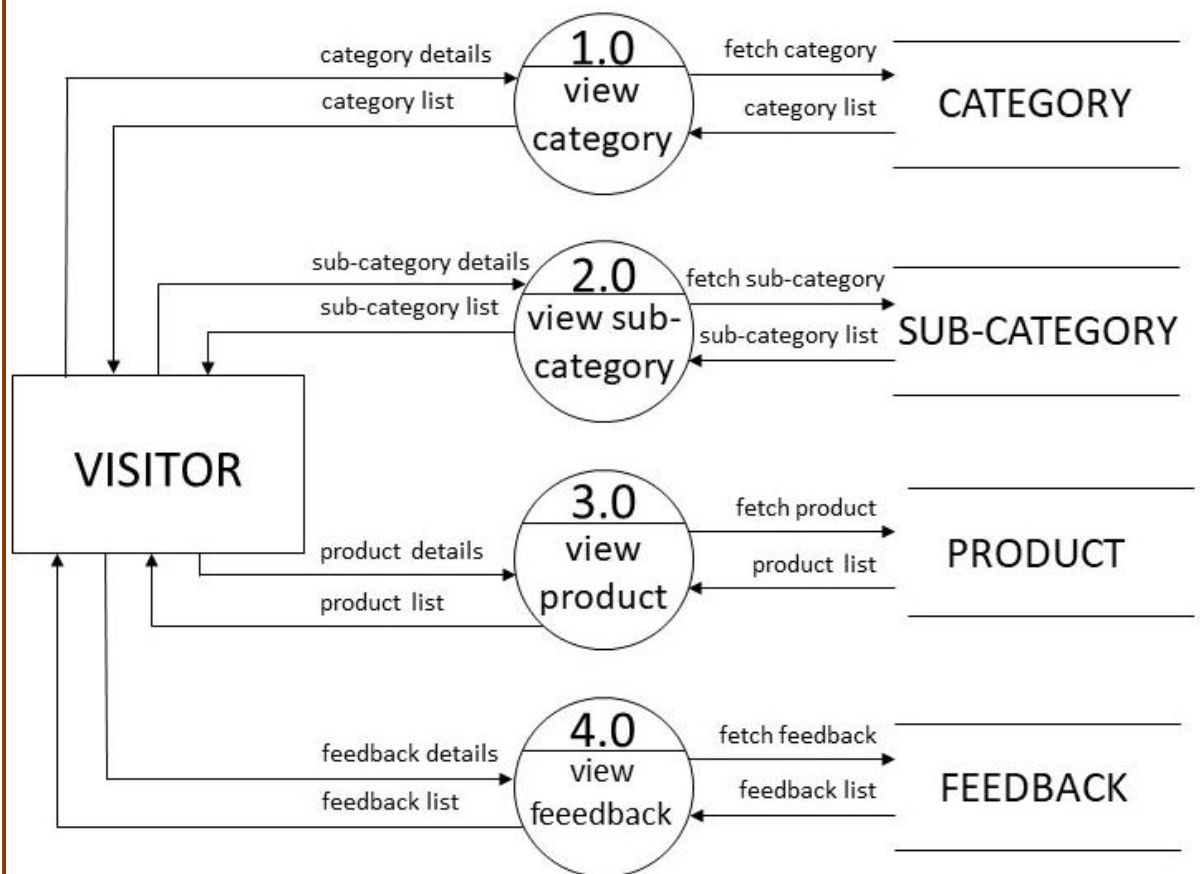
1st Level Data Flow Diagram

CUSTOMER



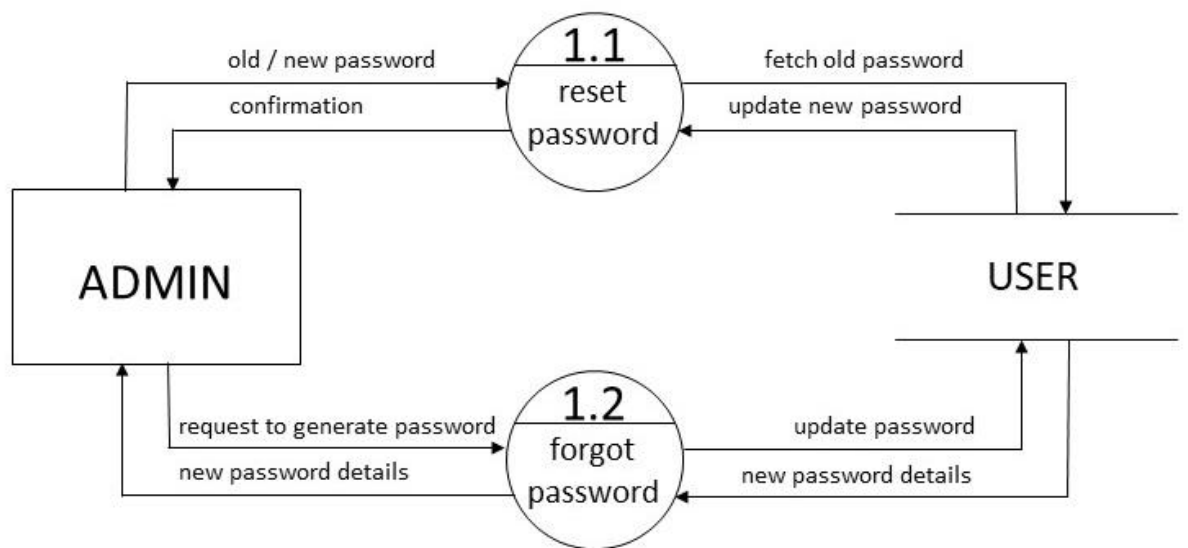
1st Level Data Flow Diagram

VISITOR

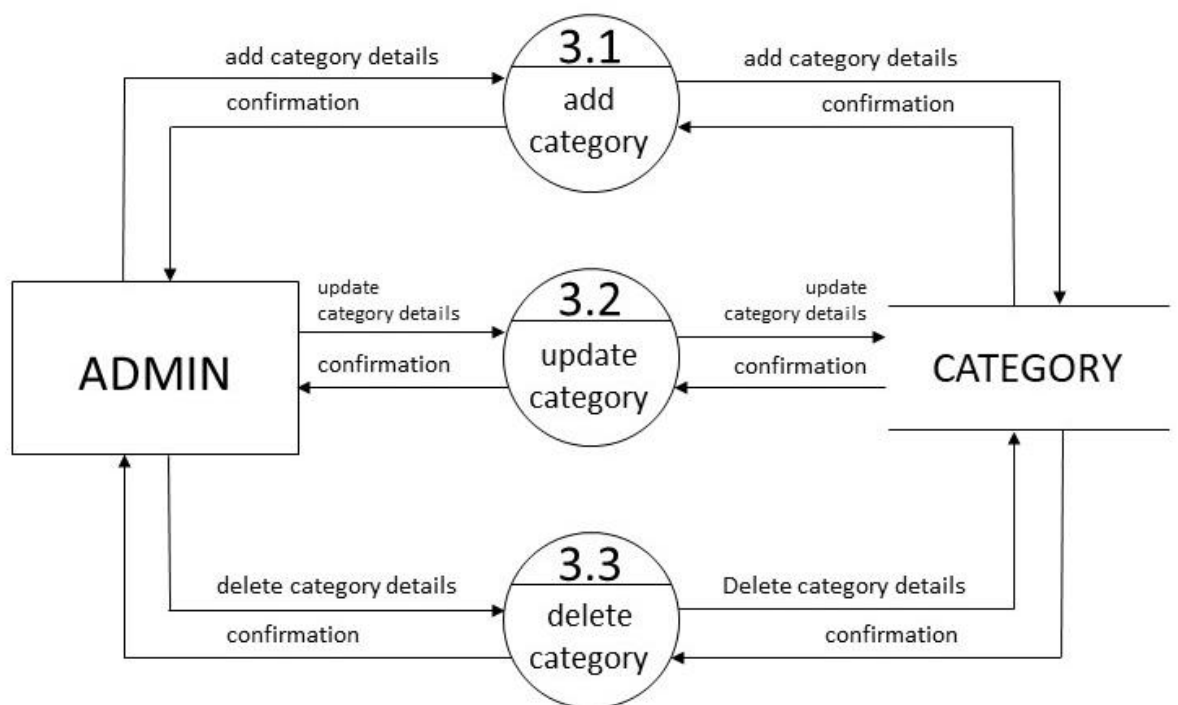


2nd Level Data Flow Diagram

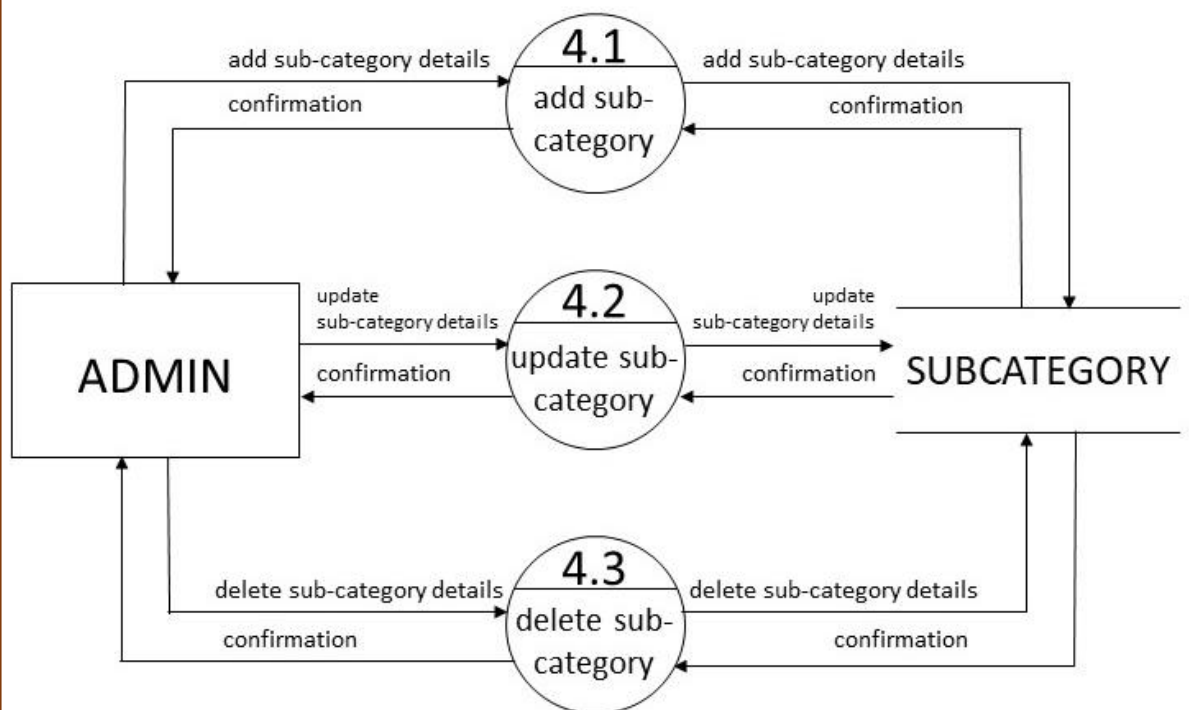
login process for ADMIN



2nd Level Data Flow Diagram
category process for ADMIN

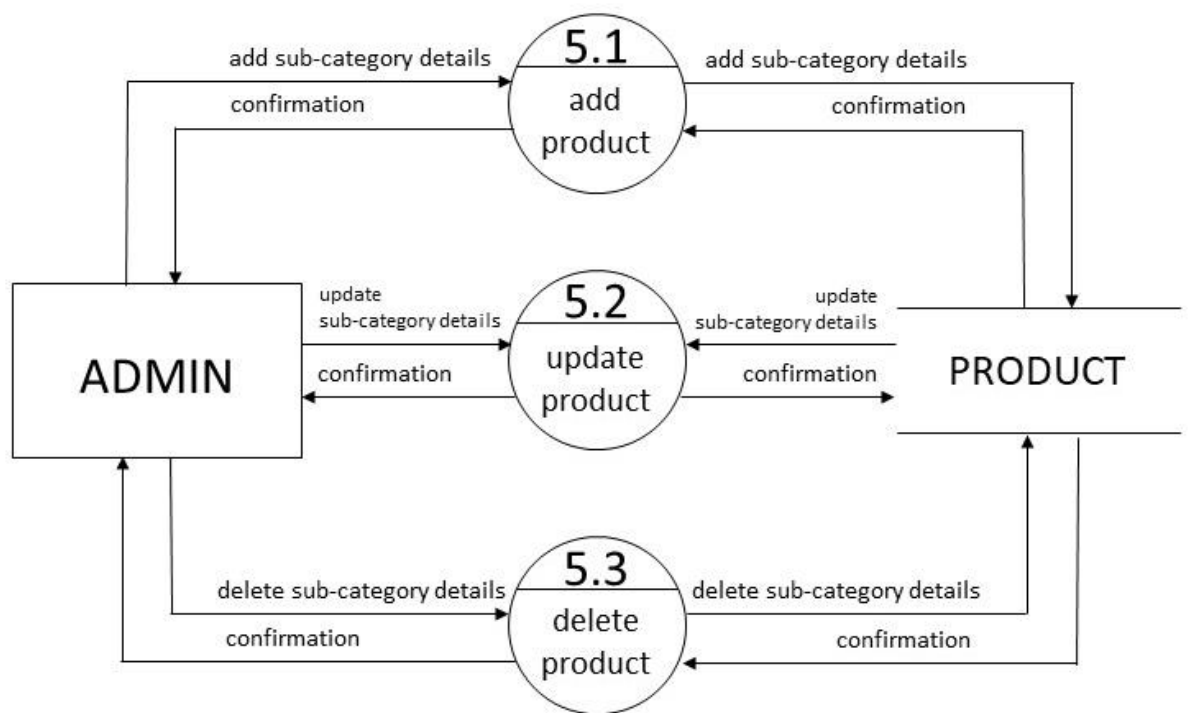


2nd Level Data Flow Diagram
subcategory process for ADMIN

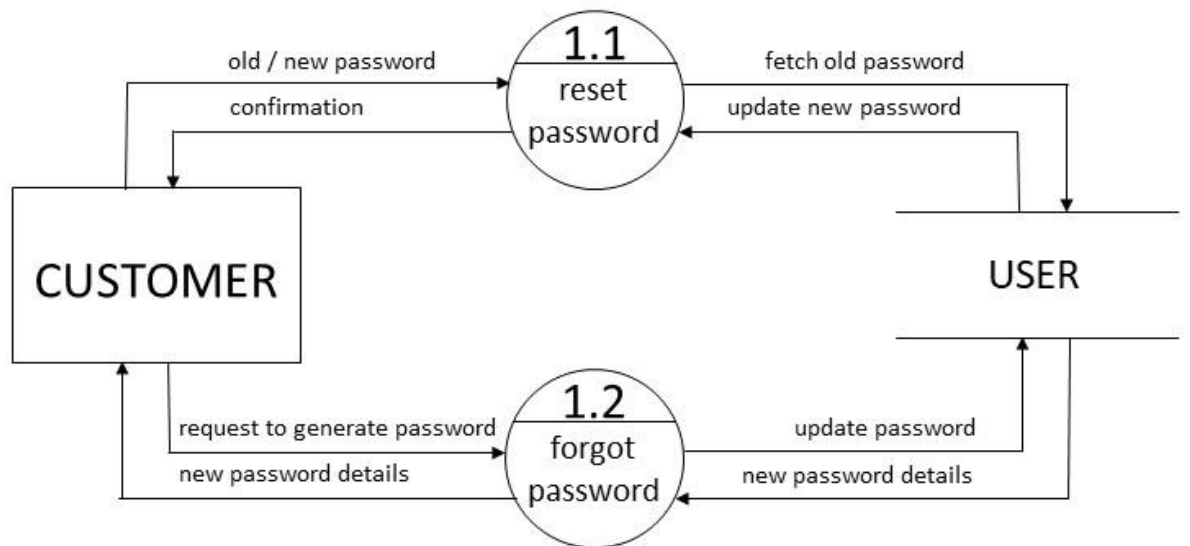


2nd Level Data Flow Diagram

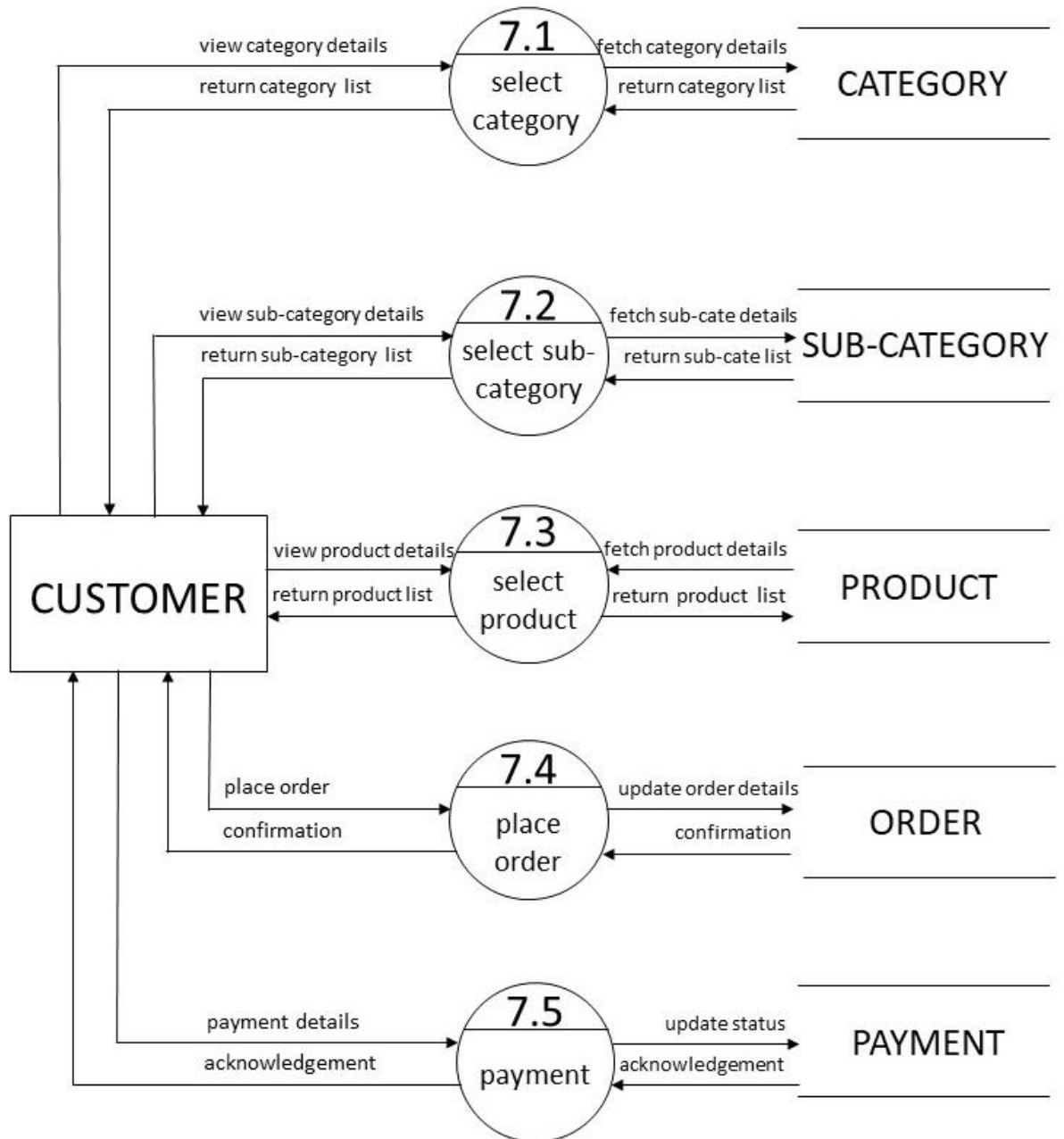
product process for ADMIN



2nd Level Data Flow Diagram
login process for CUSTOMER

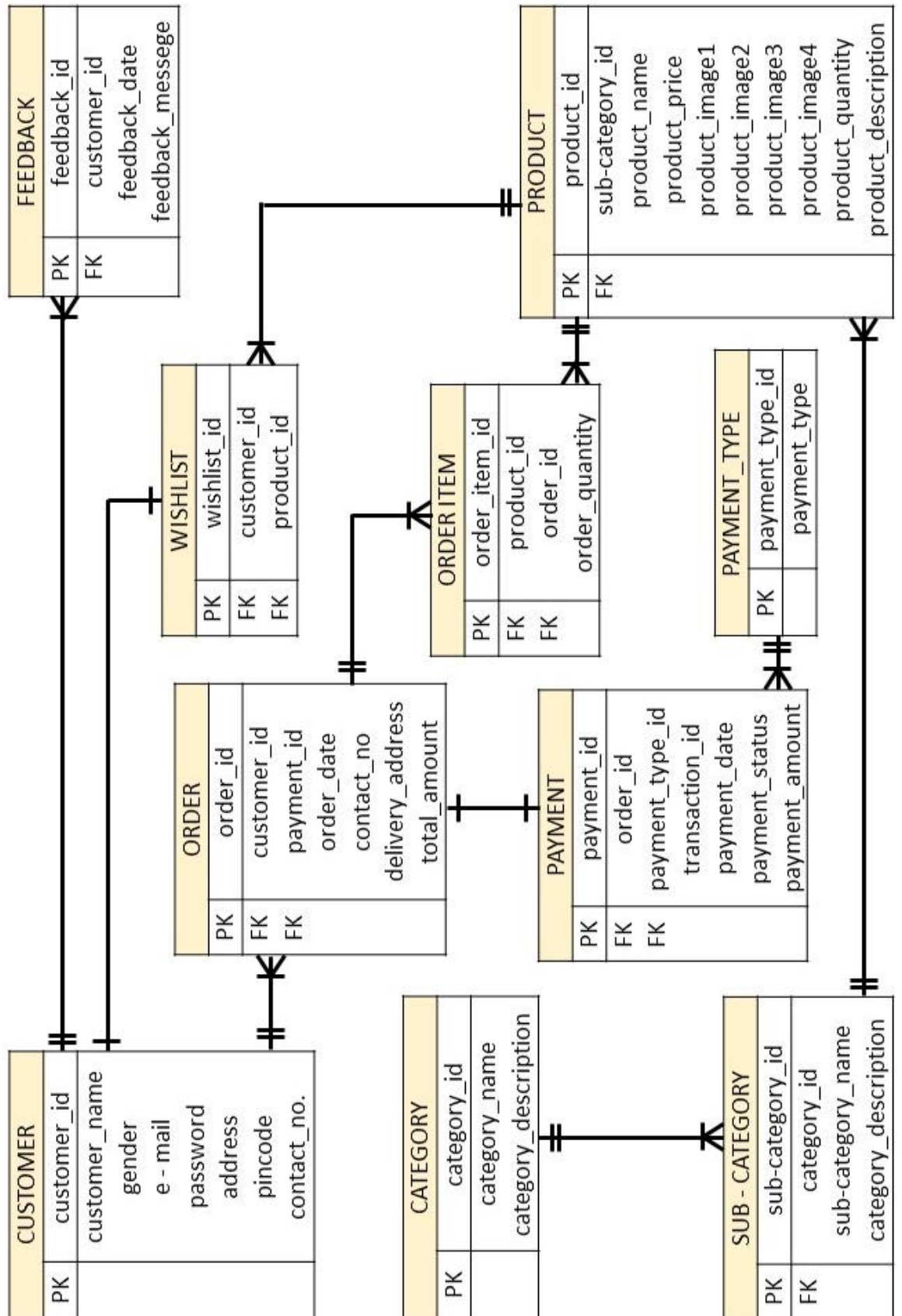


2nd Level Data Flow Diagram
order process for CUSTOMER



ERD

Entity Relationship Diagram



Data Dictionary

contains following tables

- Customer
- Category
- Sub – category
- Product
- Wishlist
- Order
- Order item
- Payment type
- Payment
- Feedback

Customer table :-

- Primary Key : customer_id

This table store the information regarding the customers.

Sr. No	Field Name	Data type & Size	Constraints	Description	Example
1	customer_id	varchar (3)	primary key	Uniquely identifies the customer	CU01
2	customer_name	varchar (25)	not null	Stored the name of customer	Jainil Patel
3	gender	varchar (6)	not null	Stores the gender of the customer	Male
4	e – mail	varchar (30)	not null	Stores customer's e-mail address	jainilpatel2002@gmail.com
5	password	varchar (15)	not null	For storing the password	*****
6	address	varchar (70)	not null	Stores customer's address	B-301, Aashka Elegence, Gota, Ahmedabad
7	pincode	varchar (6)	not null	To store customer's pincode	382481
8	contact no.	varchar (10)	not null	Stores customers contact number	98984 92374

Category table :-

- Primary Key : category_id

This table is used to the information about category.

Sr. No	Field Name	Data type & Size	Constraints	Description	Example
1	category_id	varchar (3)	primary key	Uniquely identifies category	C01
2	category_name	varchar (25)	not null	To store the name of the category	Indoor Lighting
3	category_description	varchar (70)	not null	To store the description of the selected category	For illuminate your home's interiors. They are typically made not just to brighten your space, but to add décor and furniture setup.

Sub - category table :-

- Primary Key : sub-category_id
- Foreign Key : category_id

This table is used to store the sub-category details of the selected category.

Sr. No	Field Name	Data type & Size	Constraints	Description	Example
1	sub-category_id	varchar (5)	primary key	Uniquely identifies the subcategory	SC01
2	category_id	varchar (3)	foreign key	Reference from category table	C01
3	sub-category_name	varchar (25)	not null	Stores the subcategory name	Mirror Light
4	sub-category_description	varchar (70)	not null	Stores the subcategory description	Mirror lighting can transform it into something completely different. From a design standpoint, it can help jazz up a living or dining room space. Mirror lighting can help improve reflection.

Product table :-

- Primary Key : product_id
- Foreign Key : sub-category_id

This table is used to store information about the product.

Sr. No	Field Name	Data type & Size	Constraints	Description	Example
1	product_id	varchar (3)	primary key	Uniquely identifies the product	P01
2	subcategory_id	varchar (5)	foreign key	Reference from the subcategory table	SC01
3	product_name	varchar (25)	not null	Stores the name of the product	Sun Disc Border Twin Warm White Light Round by Flair Glass
4	product_price	float (5,2)	not null	Stores the price of the selected product	7950.00
5	product_image1	varchar (100)	not null	Displays the front image of product	sunml1.jpg
6	product_image2	varchar (100)		Displays the back image of product	sunml2.jpg
7	product_image3	varchar (100)		Displays the left image of product	sunml3.jpg
8	product_image4	varchar (100)		Displays the right image of product	sunml4.jpg
9	product_quantity	int (3)	not null	Stores the quantity of the product	2
10	product_description	varchar (70)	not null	Stores the product description	High-Quality LED Mirror with Touch Sensor Hold Longer to Adjust Brightness Shadowless View

Wishlist table :-

- Primary Key : wishlist_id
- Foreign Key1 : customer_id
- Foreign Key2 : product_id

This table stores the description of product you stored in wishlist.

Sr. No	Field Name	Data type & Size	Constraints	Description	Example
1	wishlist_id	varchar (3)	primary key	Uniquely identifies the id of product in the wishlist	W01
2	customer_id	int (3)	foreign key	Uniquely identifies the customer	001
3	product_id	varchar (3)	foreign key	Uniquely identifies the product	P01

Order table :-

- Primary Key : order_id
- Foreign Key1 : customer_id
- Foreign Key2 : payment_id

This table shows the details of the product which customer orders.

Sr. No	Field Name	Data type & Size	Constraints	Description	Example
1	order_id	varchar (3)	primary key	Uniquely identifies the order items	001
2	customer_id	int (3)	foreign key	Uniquely identifies the customer	001
3	payment_id	varchar (5)	foreign key	Uniquely identifies the payment	PAY01
4	order_date	date	not null	Stores the date of order	10/30/2022
5	contact_no	varchar (10)	not null	Stores the contact number of the customer	98984 92374
6	delivery_address	varchar (70)	not null	Stores the address of the customer	B-301, Aashka Elegence, Gota, Ahmedabad - 382481
7	total_amount	amount	not null	Stores the total amount to be paid by customer	15,900.00

Order item table :-

- Primary Key : order_item_id
- Foreign Key1 : product_id
- Foreign Key2 : order_id

This table shows the items which are ordered by customers.

Sr. No	Field Name	Data type & Size	Constraints	Description	Example
1	order_item_id	varchar (5)	primary key	Uniquely identifies the order item	OT01
2	product_id	varchar (3)	foreign key	Reference of product from product table	P01
3	order_id	varchar (3)	foreign key	Reference of order from order table	O01
4	order_quantity	int (3)	not null	Stores the quantity of order placed	2

Payment type table :-

- Primary Key : payment_type_id

This table shows the mode of payment choose by customer.

Sr. No	Field Name	Data type & Size	Constraints	Description	Example
1	payment_type_id	varchar (5)	primary key	Uniquely identifies the type of payment	PAYT01
2	payment_type	varchar (20)	not null	Shows the data for payment	Credit Card

Payment table :-

- Primary Key : payment_id
- Foreign Key1 : order_id
- Foreign Key2 : payment_type_id

This table shows the details for payment done by customer.

Sr. No	Field Name	Data type & Size	Constraints	Description	Example
1	payment_id	varchar (5)	primary key	Uniquely identifies the payment	PAY01
2	order_id	varchar (3)	foreign key	Uniquely identifies the ordered item	O01
3	payment_type_id	varchar (5)	foreign key	Describes the type of payment	PAYT01
4	transaction_id	varchar (15)	not null	Uniquely identifies the transaction	T01
5	payment_date	date	not null	Stores the date of payment	10/30/2022
6	payment_status	varchar (10)	not null	Shows the current status of the payment	Success
7	payment_amount	amount	not null	Shows the amount for pay	15,900.00

Feedback table :-

- Primary Key : feedback_id
- Foreign Key : customer_id

This table stores the feedback given by customer.

Sr. No	Field Name	Data type & Size	Constraints	Description	Example
1	feedback_id	varchar (3)	primary key	Uniquely identifies the feedback	F01
2	customer_id	varchar (3)	foreign key	Uniquely identifies the customer who gave feedback	C01
3	feedback_date	date	not null	Store the date when feedback was recorded	15/30/2022
4	feedback_messege	varchar (70)	not null	Stores the feedback message	I am really happy to your service. My festival is made very beautiful by your beautiful lights. I will do continue shopping with you. Really your products are very greatfull.

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