



POLYTECHNIC UNIVERSITY OF THE PHILIPPINES

**INFORMATION MANAGEMENT SYSTEM OF
EASYPE FOR INVENTORY AND SALES PURPOSE**

A System Proposal presented to the
Faculty of College Computer and Information Sciences
Polytechnic University of the Philippines

In partial fulfillment for the course
COMP 20093 – Information Management

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BSCS 2-5

Proponents

Background of the Project

Company Profile

EasyPC is a computer retail business founded on the values of convenience, accessibility, and excellent customer service. But this leader in local technology retail grew from pretty humble beginnings – when five friends with a shared passion for tech began hunting down secondhand PCs in the Tipid PC online group to resell at decent rates.

EasyPC officially got its name when it opened its first store in Makati in September 2009. A play on the expression “easy-peasy”, the name was a key step in establishing a brand that promised reliable services and quality products. Eventually, the business shifted to selling brand new products at accessible prices.

Today, as EasyPC operates seven branches strong, our dedication to growth also extends to each and every customer. We strive to provide solutions, reliable services, and affordable but quality technologies that will enhance the lives of our customers and community. As we move to greater heights, providing the best customer experience is our number one goal.

Mission

EasyPC is committed to enhancing the technological knowledge and experience of every Filipino by providing reliable, high-quality products and excellent customer service.

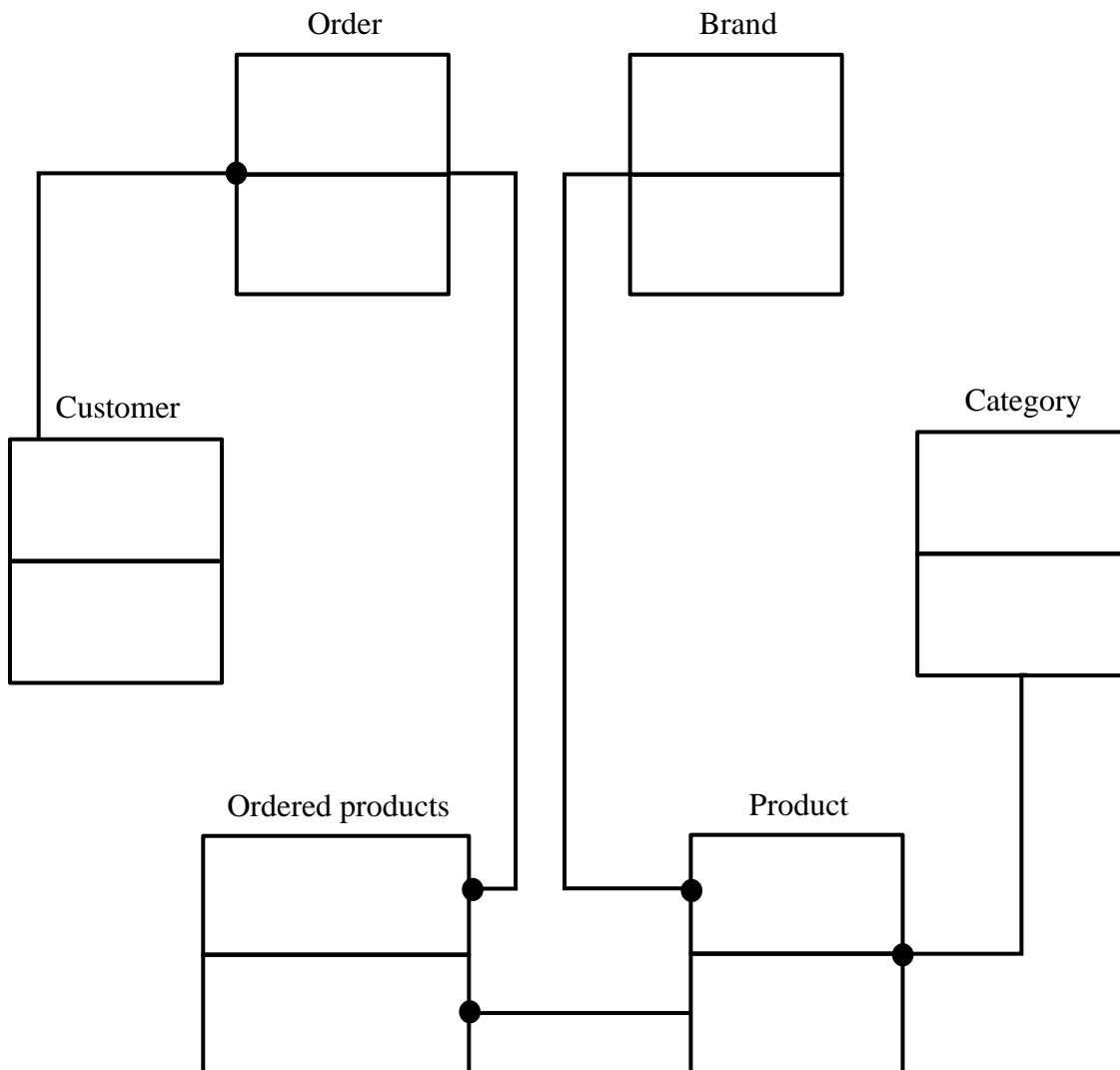
Vision

EasyPC’s vision is to uplift the Filipino community by creating an exceptional customer experience. We strive to become the go-to for anyone who wants access to technology – whether these are high-end products or those that cater to normal day-to-day needs.

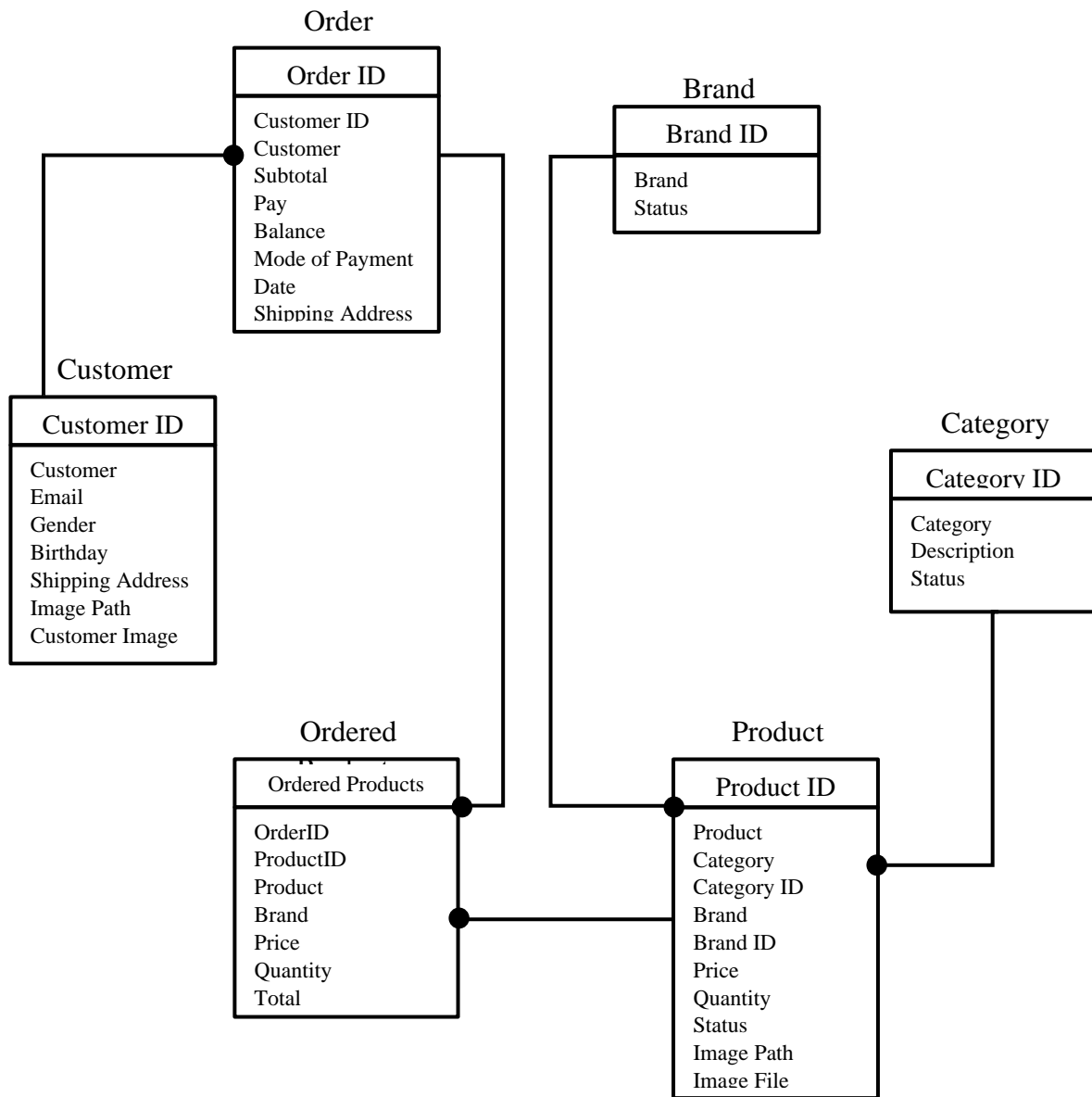
Business Rules

- One customer can make only one transaction for multiple orders and multiple orders can make one transaction with one customer with corresponding order ID.
- One customer can choose any available products and each available product can be chosen by one customer.
- One customer can only make one account and one account will be used by one customer
- Each customer has a unique customer ID and each transaction has its own order ID.
- Each category has multiple products and each product has its own category.
- Each order must include one or more products and products must include on each order.

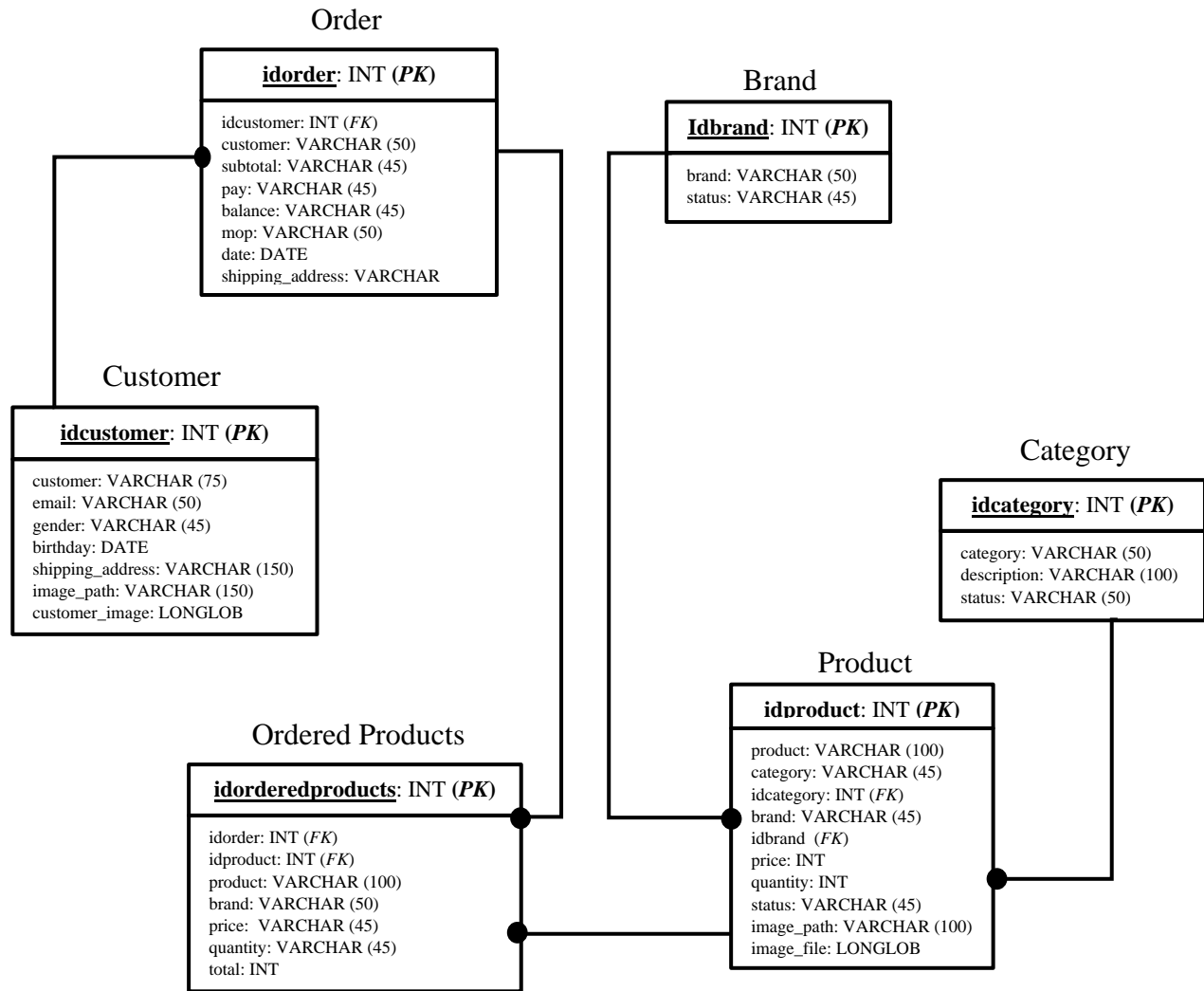
Conceptual Data Model



Logical Data Model



Physical Data Model



Attributes Table for classification

Customer

Customer ID	Customer	Email	Gender	Birthday	Shipping Address	Image Path	Customer Image
Identifier	Required	Required	Required	Required	Required	Required	Required
	Composite	Simple	Simple	Composite	Composite	Simple	Simple
	Single-valued	Single-valued	Single-valued	Single-valued	Multi-valued	Single-Valued	Single-valued
	Stored	Stored	Stored	Stored	Stored	Stored	Stored

Order

Order ID	Customer ID	Customer	Subtotal	Pay	Balance	Mode of Payment	Date	Shipping Address
Identifier	Identifier	Required	Required	Required	Required	Required	Required	Required
		Composite	Simple	Simple	Simple	Simple	Composite	Composite
		Single-valued	Single-valued	Single-valued	Single-valued	Single-valued	Single-valued	Multi-valued
		Stored	Derived	Stored	Derived	Stored	Derived	Stored

Brand

Brand ID	Brand	Status
Identifier	Required	Required
	Simple	Simple
	Single-Valued	Single-Valued
	Stored	Stored

Category

Category ID	Category	Description	Status
Identifier	Required	Required	Required
	Simple	Simple	Simple
	Single-Valued	Single-Valued	Single-Valued
	Stored	Stored	Stored

Product

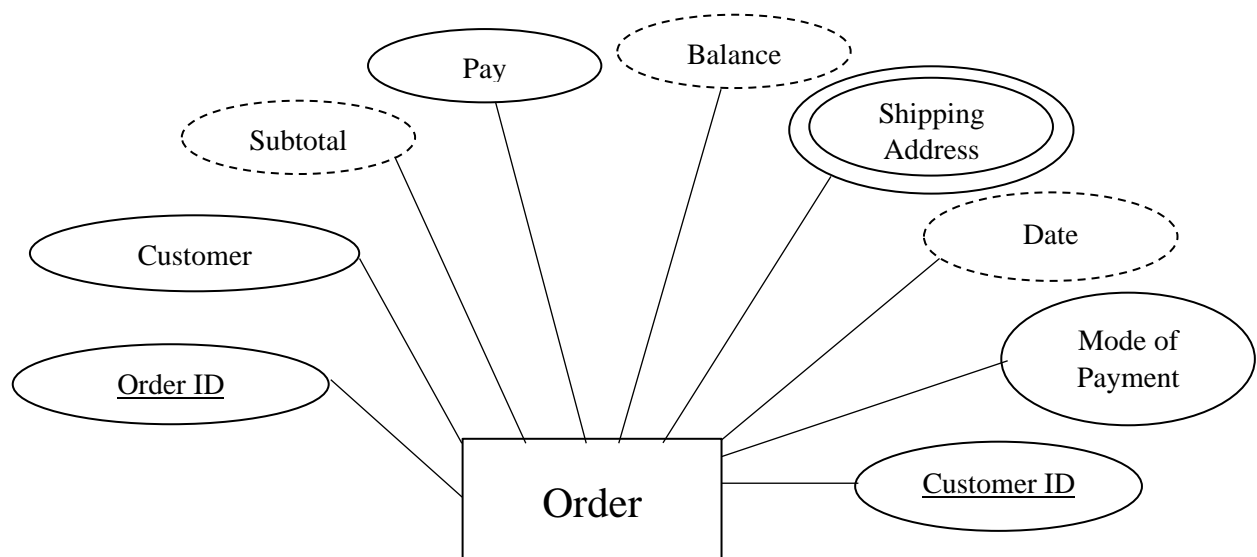
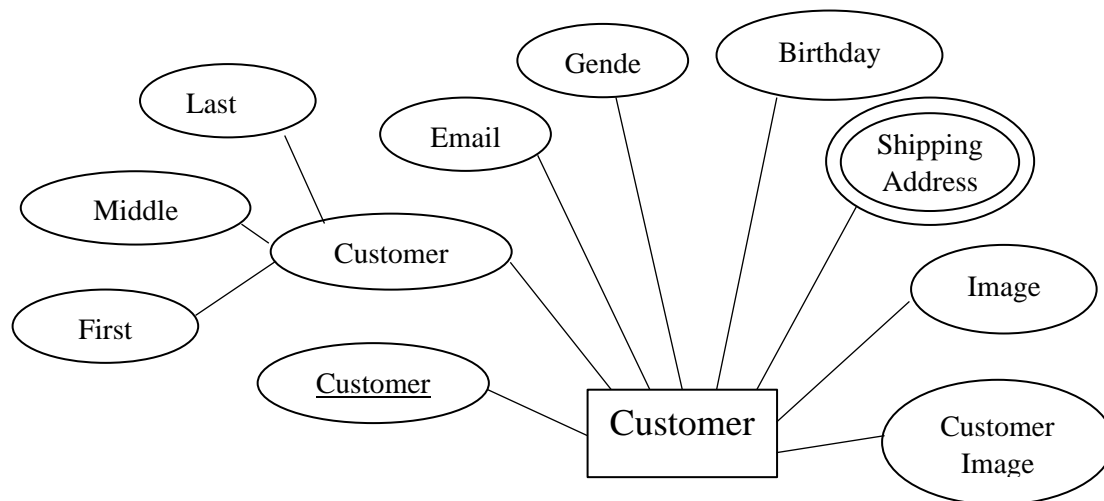
Product ID	Product	Category	Category ID	Brand	Brand ID	Price
Identifier	Required	Required	Identifier	Required	Identifier	Required
	Simple	Simple		Simple		Simple
	Single-Valued	Single-Valued		Single-Valued		Single-Valued
	Stored	Stored		Stored		Derived

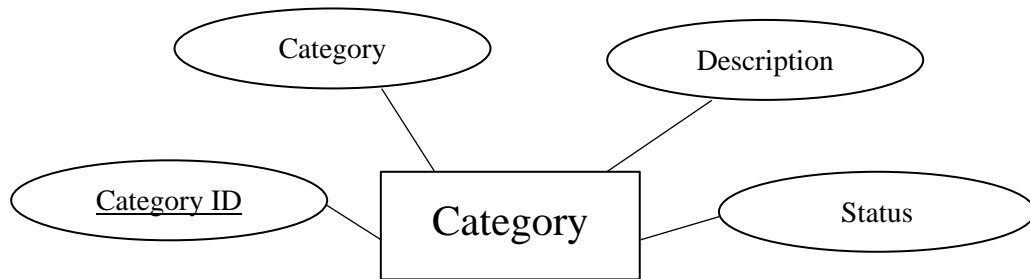
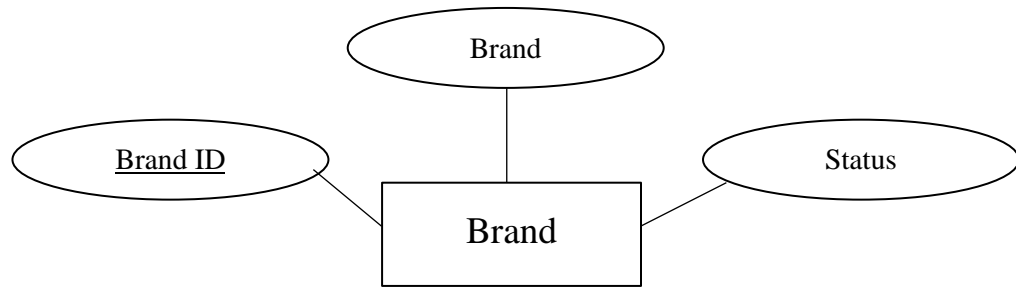
Quantity	Status	Image Path	Image File
Required	Required	Required	Required
Simple	Simple	Simple	Simple
Single-Valued	Single-Valued	Single-Valued	Single-Valued
Stored	Stored	Stored	Stored

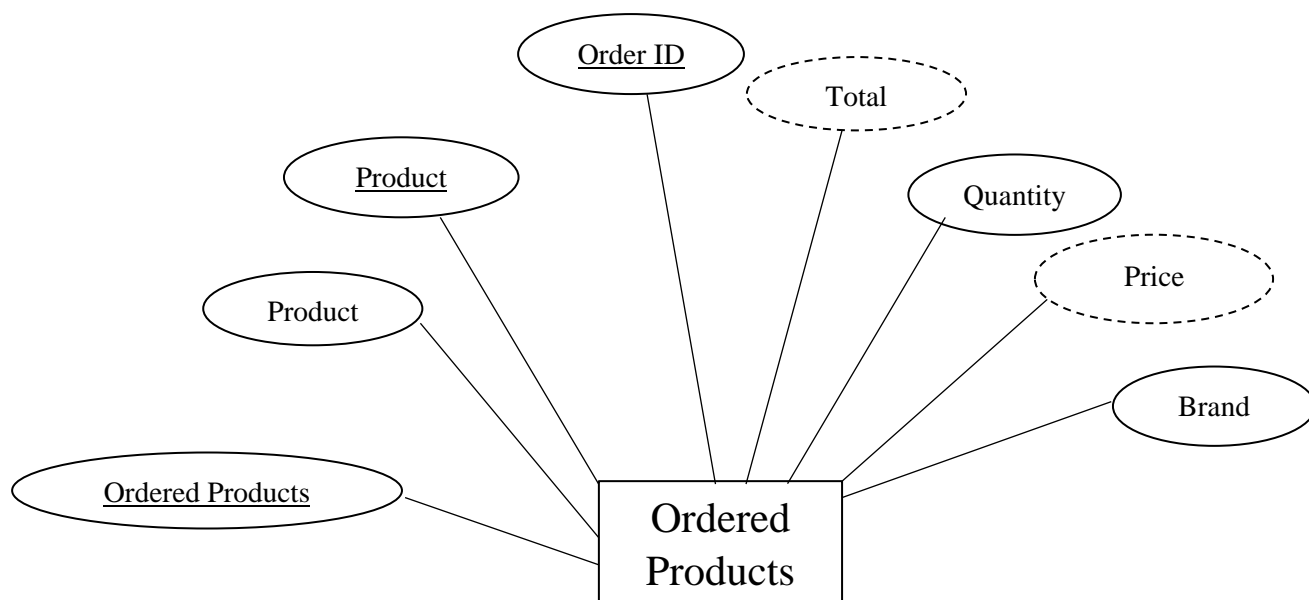
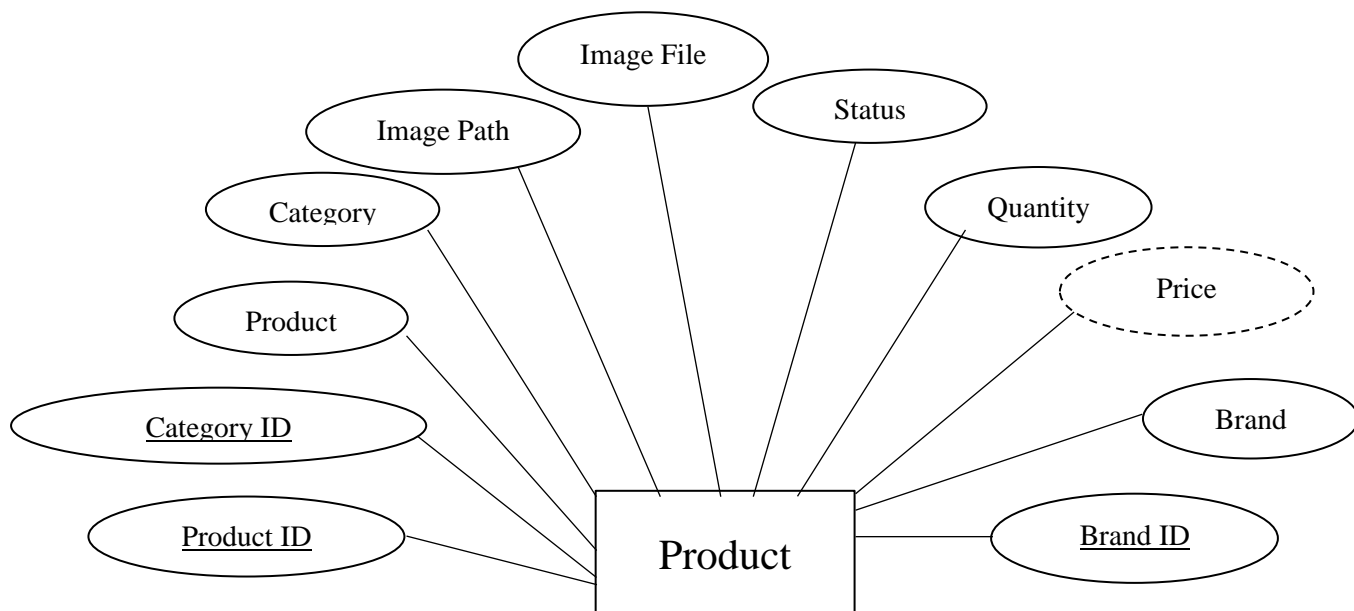
Ordered Products

Ordered Products ID	Order ID	Product ID	Product	Brand	Price	Quantity	Total
Identifier	Identifier	Identifier	Required	Required	Required	Required	Required
			Simple	Simple	Simple	Simple	Simple
			Single-Valued	Single-Valued	Single-Valued	Single-Valued	Single-Valued
			Stored	Stored	Derived	Stored	Derived

Entity Relational Modelling







Entity-Attributes Parenthesis (Shorthand)

Costumer (Costumer ID, Customer, Email, Gender, Birthday Shipping Address, Image Path, Customer Image)

Order (Order ID, Costumer ID, Customer, Subtotal, Pay, Balance, Mode of Payment, Date, Shipping Address)

Brand (Brand ID, Brand, Status)

Category (Category ID, Category, Description, Status)

Product (Product ID, Product, Category, Category ID, Brand, Brand ID, Price, Quantity, Status, Image Path, Image File)

Ordered Products (Ordered Products ID, Order ID, Product ID, Brand, Price, Quantity, Total)

Manual Form

EasyPC Manual Form

Customer ID:

Customer Name:**Order ID:**

Date:

Shipping Address:**Mode of Payment:**

Product ID	Product	Category	Brand	Price	Quantity
				Total:	
				Pay:	
				Balance:	

Filled Out Form

EasyPC Manual Form

Customer ID: 1005

Customer Name: Kai Sotto

Order ID: 503

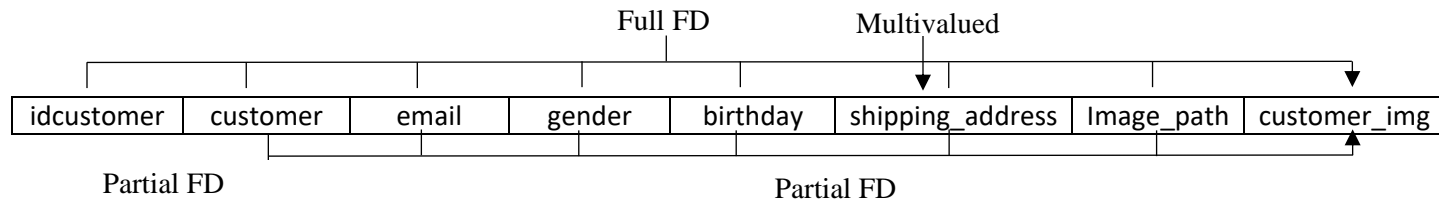
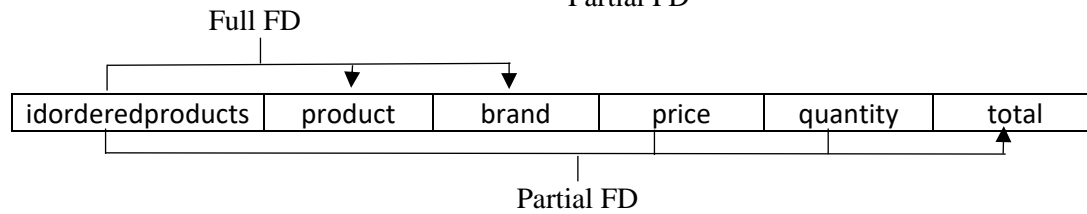
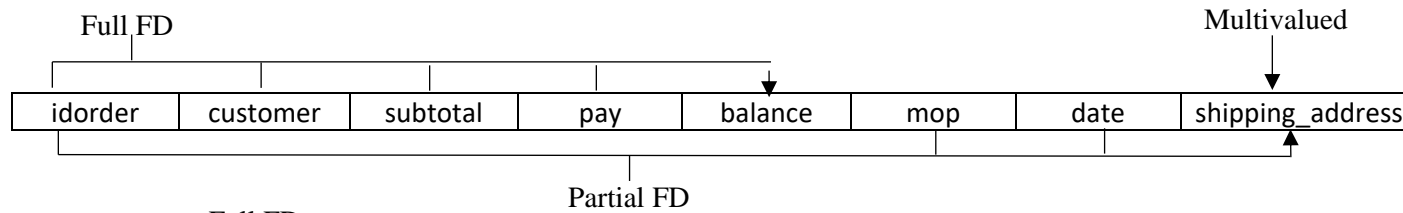
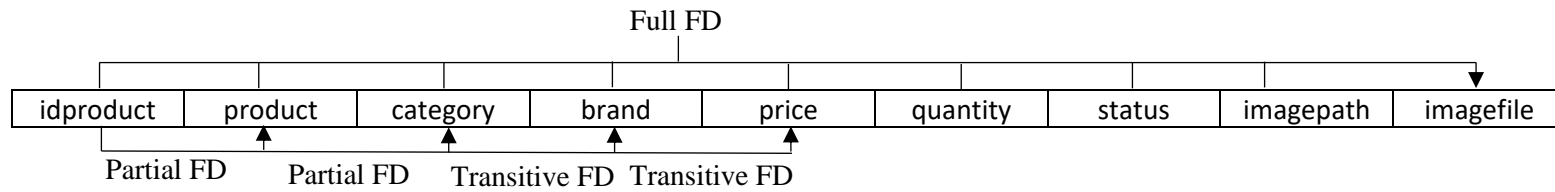
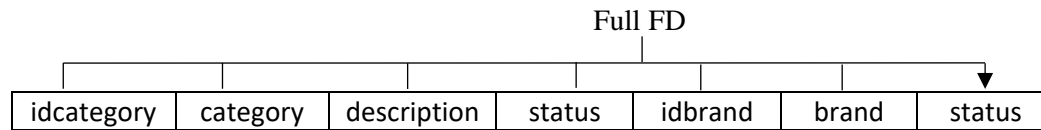
Date: 2022/12/01

Shipping Address: Las Pinas, City

Mode of Payment:GCash

Product ID	Product	Category	Brand	Price	Quantity
101	AMD Ryzen	Computer	AMD	12,149.00	1
108	MSI GF63	Laptops	MSI	55,600.00	1
112	Logitech G1200	Computer	Logitech	900	1
				Total: 68,649	
				Pay: 70,000	
				Balance: 1,351	

Normalization



First Normalization Form

idcategory	category	description	status	idbrand	brand	status
------------	----------	-------------	--------	---------	-------	--------

idproduct	product	category	brand	price	quantity	status	imagepath	imagefile
-----------	---------	----------	-------	-------	----------	--------	-----------	-----------

idorder	customer	subtotal	pay	balance	mop	date
---------	----------	----------	-----	---------	-----	------

idorderedproducts	product	brand	price	quantity	total
-------------------	---------	-------	-------	----------	-------

idcustomer	customer	email	gender	birthday	Image_path	customer_img
------------	----------	-------	--------	----------	------------	--------------

Second Normalization Form

idcategory	category	description	status	idbrand	brand	status
------------	----------	-------------	--------	---------	-------	--------

idproduct	brand	price	quantity	status	imagepath	imagefile
-----------	-------	-------	----------	--------	-----------	-----------

idorder	customer	subtotal	pay	balance
---------	----------	----------	-----	---------

idorderedproducts	product	brand
-------------------	---------	-------

idcustomer	customer	email	gender
------------	----------	-------	--------

Third Normalization Form

idcategory	category	description	status	idbrand	brand	status
------------	----------	-------------	--------	---------	-------	--------

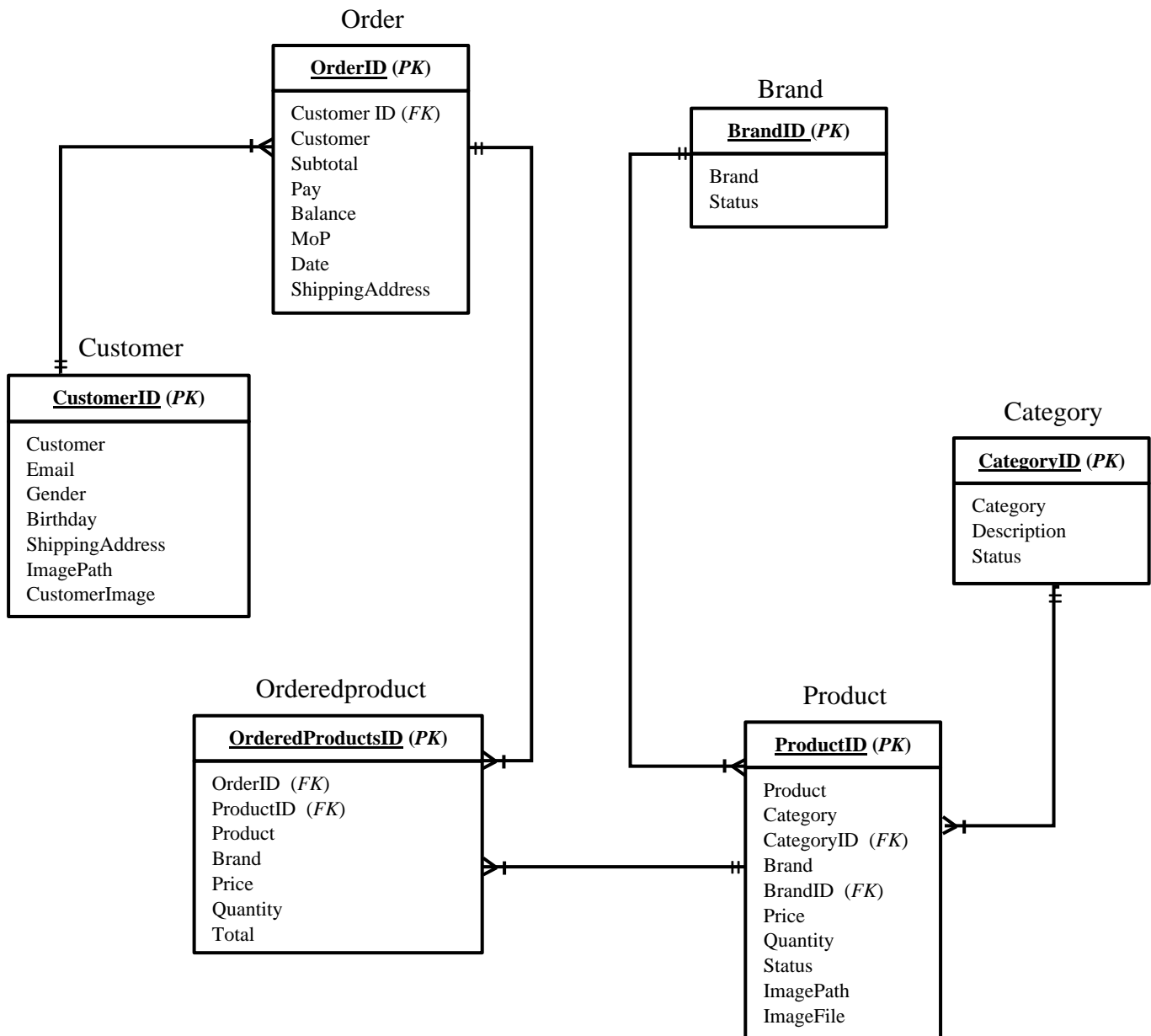
idproduct	quantity	status	imagepath	imagefile
-----------	----------	--------	-----------	-----------

idorder	customer	subtotal	pay	balance
---------	----------	----------	-----	---------

idorderedproducts	product	brand
-------------------	---------	-------

idcustomer	customer	email	gender
------------	----------	-------	--------

Entity Relationship Diagram



Data Dictionary

Table Name	Attribute	Data Type	Data Format	Field Size	Example
category_details	idcategory	int	-	10	1
	category	varchar	-	50	Computer Parts
	description	varchar	-	100	Processor, GPUs, Motherboards etc.
	status	varchar	Active, InActive	50	Active
brand_details	idbrand	int	-	10	10
	brand	varchar	-	50	Rakk
	status	varchar	Active, InActive	45	Active
product_details	idproduct	int	-	10	100
	product	varchar	-	100	Talan Black/White Gaming Mouse
	category	varchar	category	45	Computer Peripherals
	idcategory	int	-	10	2
	brand	varchar	-	45	Rakk
	idbrand	int	-	10	13
	price	int	-	20	1500
	quantity	int	-	10	10
	status	varchar	InStock, OutofStock	45	InStock
	imagePath	varchar	-	100	EASYPC\data\product pic and list\product 1.jpg
	imageFile	longblob	.jpg,.jpeg,.png	-	BLOB
	idcustomer	int	-		1000
	customer	varchar	-		Kai Sotto
customer_details	email	varchar	-		kaisotto@gmail.com
	gender	varchar	Male, female, others		male
	birthday	date	yyyy/mm/dd		2002/05/11
	shipping_address	varchar	-		13 Wag Madaliin Street Las Piñas, Philippines
	Image_path	varchar	-		EASYPC\data\customer pic and list\customer 1.jpg
order_details	customer_img	longblob	.jpg,.jpeg,.png		BLOB
	idorder	int	-	10	500
	idcustomer	int	-	10	1000
	customer	varchar	-	50	Kai Sotto
	subtotal	varchar	-	45	57307
	pay	varchar	-	45	60000
	balance	varchar	-	45	2693

	mop	varchar	Cash on Delivery, Gcash, Paypal, Bank Transfer	50	Gcash
	date	date	yyyy/MM/dd	20	2022/07/20
	shipping_address	varchar	-	100	13 Wag Madaliin Street Las Piñas, Philippines
oderedproducts	idorderedproducts	int	-	10	10000
	idorder	int	-	10	500
	idproduct	int	-	10	100
	product	varchar	-	100	Talan Black/White Gaming Mouse
	brand	varchar	-	50	Rakk
	price	varchar	-	45	1500
	quantity	varchar	-	45	1
	total	int	-	20	1500

SQL STATEMENTS

CATEGORY:

REQUIREMENTS: CRUD function

CREATE:

```
INSERT into category_details(category,description,status) values(?,?,?);
```

READ:

```
SELECT idcategory,category,status FROM category_details;
```

UPDATE:

```
UPDATE category_details SET category=?,description =? ,status=? WHERE idcategory= ?;
```

DELETE:

```
DELETE from category_details WHERE idcategory =?;
```

OUTPUT:

CategoryID	Category	Description	Status
1	Computer Parts	Processor, Graphics Cards, ...	Active
2	Computer Peripherals	Keyboard, Mouse, Headset etc.	Active
3	OS and Softwares	Anti-virus, Office Application, O...	Active
4	Laptops and Mobile Device	Laptops, Chromebook, Mobil...	Active
5	Other Accessories	Cable, Earphones,Powerbank...	Active

BRAND:

REQUIREMENTS: CRUD function

CREATE:

```
INSERT into brand_details(brand,status) values(?,?);
```

READ:

```
SELECT idbrand,brand,status FROM brand_details
```

UPDATE:

```
UPDATE brand_details set brand=?,status=? WHERE idbrand= ?;
```

DELETE:

```
DELETE from brand_details WHERE idbrand =?
```

OUTPUT OF TABLE:

BrandID	Brand	Status
10	SpecterPro	Active
11	AMD	Active
12	MSI	Active
13	Rakk	Active
14	Gigabyte	Active
15	Sandisk	Active
16	Kingston	Active
17	Intel	Active
18	Asus	Active
19	Logitech	Active
20	Redragon	Active
21	Acer	Active
22	Onikuma	Active
23	A4tech	Active
24	Ugreen	Active
25	Neutron	Active
26	Edifier	Active
27	Samsung	Active
28	Nvision	Active
29	Razer	Active
30	Asrock	Active

PRODUCTS:

REQUIREMENTS: CRUD function, Search Product image using Product ID and Display and Categorize Products.

CREATE:

```
INSERT into product_details (product, category, idcategory, brand, idbrand, price, quantity, status, imagePath, imageFile) values(?,?,?,?,?,?,?,?,?,?);
```

READ:

```
SELECT idproduct, product, category , idcategory ,brand, idbrand ,price, quantity, status  
FROM product_details as A , category_details as B , brand_details as C  
WHERE A.idcategory =B.idcategory AND A.idbrand =C.idbrand;
```

UPDATE:

```
UPDATE product_details set  
product=?,category=?,idcategory=?,brand=?,idbrand=?,price=?,quantity=?,status=?,imagePath=?  
,imageFile=? WHERE idproduct= ?;
```

DELETE:

```
DELETE from product_details WHERE idproduct =?;
```

SEARCH PRODUCT IMAGE BY ID:

```
SELECT imageFile FROM product_details WHERE idproduct =?;
```

Display Category in Combobox:

```
SELECT category FROM category_details;
```

Display Brand in Combobox in Alphabetical Order:

```
SELECT brand FROM brand_details ORDER BY brand;
```

Display Category ID Combobox in Descending Order:

```
SELECT idproduct FROM product_details ORDER BY idproduct desc;
```

Search Product Image by Product ID:

```
SELECT imageFile from product_details WHERE idproduct =?;
```

Categorize Display Products:

```
SELECT idproduct, product, category, idcategory, brand, idbrand, price, quantity, status  
FROM product, details WHERE category=? ;
```

Between Statements for Price Range

SELECT * FROM product_details WHERE price BETWEEN ? AND ? ORDER BY price;

OUTPUT:

Product ID	Product	Category	Category ID	Brand	Brand ...	Price	Quantity	Status
100	SpecterPro 24GX...	Computer Peripherals	2	Specter...	10	8995	5	inStock
101	AMD Ryzen 5 56...	Computer Parts	1	AMD	11	12149	5	inStock
102	MSI Gx 1650 D6 ...	Computer Parts	1	MSI	12	12430	6	inStock
103	Rakk Kimat XT.L...	Computer Peripherals	2	Rakk	13	1650	11	inStock
104	Gigabyte B450 A...	Computer Parts	1	Gigabyte	14	7400	15	inStock
105	Sandisk Cruzer F...	Other Accessories	5	Sandisk	15	180	20	inStock
106	RAKK Talan Blac...	Computer Peripherals	2	Rakk	13	1500	14	inStock
107	Gigabyte P550B ...	Computer Parts	1	Gigabyte	14	2600	12	inStock
108	MSI GF63 Thin G...	Laptops and Mobile ...	4	MSI	12	55600	10	inStock
109	Intel Core i7&-12...	Computer Parts	1	Intel	17	20930	9	inStock
110	Gigabyte Rtx 305...	Computer Parts	1	Gigabyte	14	22500	10	inStock
111	Asus Prime A32...	Computer Parts	1	Asus	18	2900	10	inStock
112	Logitech G102 Li...	Computer Peripherals	2	Logitech	19	900	13	inStock
113	Redragon K617 ...	Computer Peripherals	2	Redragon	20	1500	10	inStock
114	MSI Optix G24C4...	Computer Peripherals	2	MSI	12	11500	9	inStock
115	Acer Extensa EX...	Laptops and Mobile ...	4	Acer	21	35000	10	inStock
116	ONIKUMA K9 Pin...	Computer Peripherals	2	Onikuma	22	699	10	inStock
117	A4tech PK-635P ...	Other Accessories	5	A4tech	23	720	7	inStock
118	UGREEN CM219...	Other Accessories	5	Ugreen	24	695	15	inStock
119	Neutron 2815 Mi...	Other Accessories	5	Neutron	25	1090	12	inStock

FIGURE 1: Display All Products

SEARCH BY:

Computer Parts

SEARCH

REFRESH

Product ID	Product	Category	Category ID	Brand	Brand ID	Price	Quant...	Status
101	AMD Ryzen 5 5600 D...	Computer Parts	1	AMD	11	12149	5	inStock
102	MSI Gx 1650 D6 Vent...	Computer Parts	1	MSI	12	12430	6	inStock
104	Gigabyte B450 Aouro...	Computer Parts	1	Gigabyte	14	7400	15	inStock
107	Gigabyte P550B 550 ...	Computer Parts	1	Gigabyte	14	2600	12	inStock
109	Intel Core i7&-12700 ...	Computer Parts	1	Intel	17	20930	9	inStock
110	Gigabyte Rtx 3050 G...	Computer Parts	1	Gigabyte	14	22500	10	inStock
111	Asus Prime A320M K...	Computer Parts	1	Asus	18	2900	10	inStock
121	Samsung 970 Evo PL...	Computer Parts	1	Samsung	27	3700	20	inStock
122	MSI MAG A650BN Po...	Computer Parts	1	MSI	12	2930	12	inStock
123	Silverstone SST-ST60...	Computer Parts	1	Silverstone	42	2300	16	inStock
124	Samsung 870 EVO 1...	Computer Parts	1	Samsung	27	7050	18	inStock

FIGURE 2: Categorize Products by Selected Category

SEARCH BY:		Computer Parts	SEARCH	100	-	1000	RANGE	REFRESH
Product ID	Product	Category	Category ID	Brand	Brand ID	Price	Quantity	Status
105	Sandisk C...	Other Acce...	5	Sandisk	15	180	20	inStock
118	UGREEN ...	Other Acce...	5	Ugreen	24	695	15	inStock
116	ONIKUMA ...	Computer ...	2	Onikuma	22	699	10	inStock
117	A4tech PK-...	Other Acce...	5	A4tech	23	720	7	inStock
120	Edifier R1...	Other Acce...	5	Edifier	26	807	19	inStock
128	McAfee Int...	OS and So...	3	McAfee	39	880	12	inStock
112	Logitech G...	Computer ...	2	Logitech	19	900	13	inStock

FIGURE 3: Select Products between two values (Price Range)



Figure 4: Display Product by searching Product ID

CUSTOMERS:

REQUIREMENTS: CRUD function

CREATE:

INSERT into customer_details (customer ,email ,gender ,birthday ,shipping_address ,image_path ,customer_img) values(?,?,?,?,?,?,?);

READ:

SELECT idcustomer, customer ,email ,gender ,birthday ,shipping_address FROM customer_details ORDER BY customer;

UPDATE:

UPDATE customer_details set customer=?,email =? , gender=?, birthday=?, shipping_address=?, image_path=?, customer_img=? WHERE idcustomer= ?;

DELETE:

DELETE from customer_details WHERE idcustomer =?;

Customer ID	Customer Name	Email Address	Gender	Birhday	Shipping Address
1004	Dezyna May Paid	dezynamaypalad@...	female	2001-12-12	143 Mobstaz Malab...
1000	Matthew Gallardo	matthewgallardo08...	male	2001-09-08	325 Loyola DrAptos,...
1002	Paoruk Miguel Morato	paorukmorato@ma...	male	2001-10-16	1014 I MissU AveMa...
1003	Ronron Nicolas Tug...	ronronpilay@ohoh.c...	male	2001-10-16	1014 Kerby AveLag...
1001	Zahren Hans Yoh	zahrenhanspogi@g...	others	2001-12-25	150 Memorial LnMo...

Figure: Display Customers Data in Alphabetical Order

ORDER/ POINT OF SALES:

REQUIREMENTS: Displays customer and product data by searching Customer ID and Product ID.

Display Customer and Product Details:

SELECT customer, email, shipping_address, customer_img FROM customer_details

WHERE idcustomer=?;

SELECT product, product, brand, price,imageFile FROM product_details WHERE idbrand=?;

Inserting Data to Order Table and Ordered Products:

INSERT into order_details (idcustomer , customer ,subtotal ,pay ,balance ,mop ,date ,shipping_address) values(?,?,?,?,?,?,?,?);

INSERT into orderedproducts (idorder, idproduct, product, brand, price, quantity, total) values(?,?,?,?,?,?,?);

Update Quantity According To Ordered Products:

UPDATE product_details SET quantity=quantity-? WHERE idproduct=?;

OUTPUT:

EASYPC POINT OF SALES

Customer Details

Customer ID: 1005 Customer Name: Kai Sotto Email Address: kaisotto@gmail.com Shipping Address: 13 Wag Madaliin Street La

Product Details

Product ID: 103 Product Name: Mechanical Keyboard Brand: Rakk Price: 1650

Customer ID	Product ID	Product Name	Brand	Price	Quantity	Total
1005	102	MSI Gtx 1650 D6 ...	MSI	12430	2	24860
1005	104	Gigabyte B450 A...	Gigabyte	7400	3	22200
1005	103	Rakk Kimat XT L...	Rakk	1650	1	1650

Receipt Window:

Order ID: 509
Customer ID: 1005

Product	Brand	Price	Total
MSI Gtx 1650 D6 Ventus XS OC 4gb 128bit GDr6			
Gigabyte B450 Aorus Pro Wifi	Gigabyte	7400	
Rakk Kimat XT LE RGB Mechanical Keyboard	Rakk		

Subtotal: 48710
Pay: 50000
Balance: 1290

Mode of Payment: Gcash

Shipping Address: 13 Wag Madaliin Street Las Piñas, Philip

*****THANK**YOU**COME**AGAIN*****

SubTotal: 48710 Pay: 50000
Date: 2022-07-24 Balance: 1290
Order No.: 509

Print Invoice:

Figure 1: Display Product and Customer Details when you enter their IDs. It also shows your Order ID, Subtotal, Balance and Prints receipt/invoice.

TRANSACTION:

REQUIREMENTS: Display the transaction history

SELECT idorderedproducts ,idorder ,idcustomer, date, idproduct,product,brand, price, quantity, total

FROM orderedproducts AS a ,order_details AS b ,product_details AS c

WHERE a.idorder = b.idorder AND a.idproduct =c.idproduct;

OUTPUT:

Transactio...	Order ID	Customer ID	Date	Product ID	Product	Brand	Price	Quantity	Total
10000	500	1000	2022-07-20	108	MSI GF63 Thin...	MSI	55600	1	55600
10001	500	1000	2022-07-20	120	Edifier R12U U...	Edifier	807	1	807
10002	501	1002	2022-07-20	100	SpecterPro 24...	SpecterPro	8995	1	8995
10003	501	1002	2022-07-20	106	RAKK Talan Bl...	Rakk	1500	1	1500
10004	503	1002	2022-07-20	106	RAKK Talan Bl...	Rakk	1500	1	1500
10005	503	1002	2022-07-20	109	Intel Core i7&- ...	Intel	20930	1	20930
10006	503	1002	2022-07-20	114	MSI Optix G24...	MSI	11500	1	11500
10007	504	1003	2022-07-20	100	SpecterPro 24...	SpecterPro	8995	2	17990
10008	505	1002	2022-07-20	123	Silverstone SS...	Silverstone	2300	1	2300
10009	505	1002	2022-07-20	120	Edifier R12U U...	Edifier	807	1	807
10010	506	1004	2022-07-21	102	MSI Gtx 1650 ...	MSI	12430	1	12430
10011	506	1004	2022-07-21	123	Silverstone SS...	Silverstone	2300	1	2300
10012	506	1004	2022-07-21	117	A4tech PK-635...	A4tech	720	1	720
10013	508	1000	2022-07-21	100	SpecterPro 24...	SpecterPro	8995	2	17990
10014	509	1005	2022-07-24	102	MSI Gtx 1650 ...	MSI	12430	2	24860

ADDITIONAL SQL STATEMENTS:

REQUIREMENTS: Display the number of customers and products. SUM the total sales. Display the sales in pie chart.

STATEMENTS:

THE NUMBER OF CUSTOMERS AND PRODUCTS

```
SELECT COUNT (*) FROM customer_details;
```

```
SELECT COUNT (*) FROM product_details;
```

SUM OF TOTAL SALES:

```
SELECT SUM (total) as totals FROM orderedproducts;
```

DISPLAY THE SALES IN PIE CHART

```
SELECT product, COUNT(*) AS product_count FROM orderedproducts GROUP BY idproduct;
```

OUTPUT:



Figure 1: Number of Products, Customers and the Total Sales

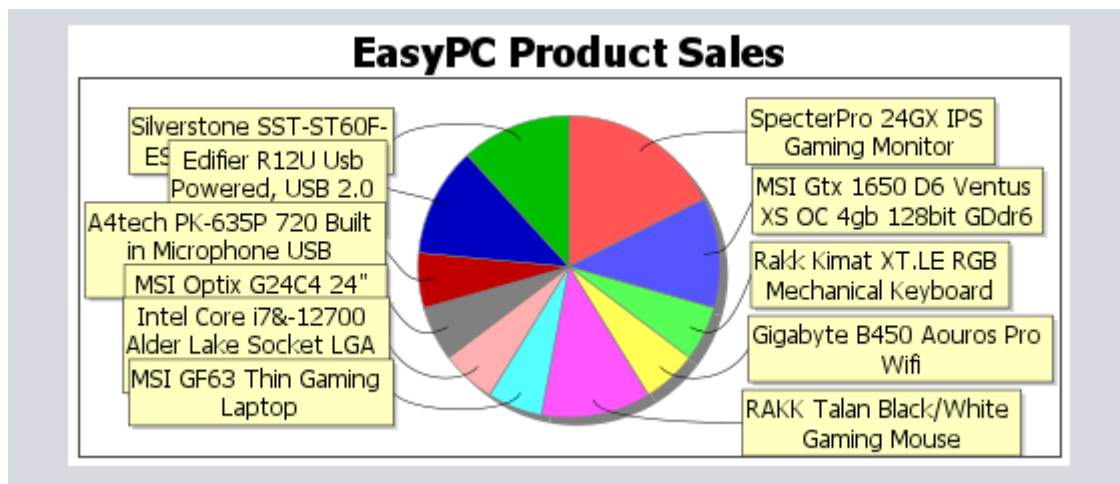
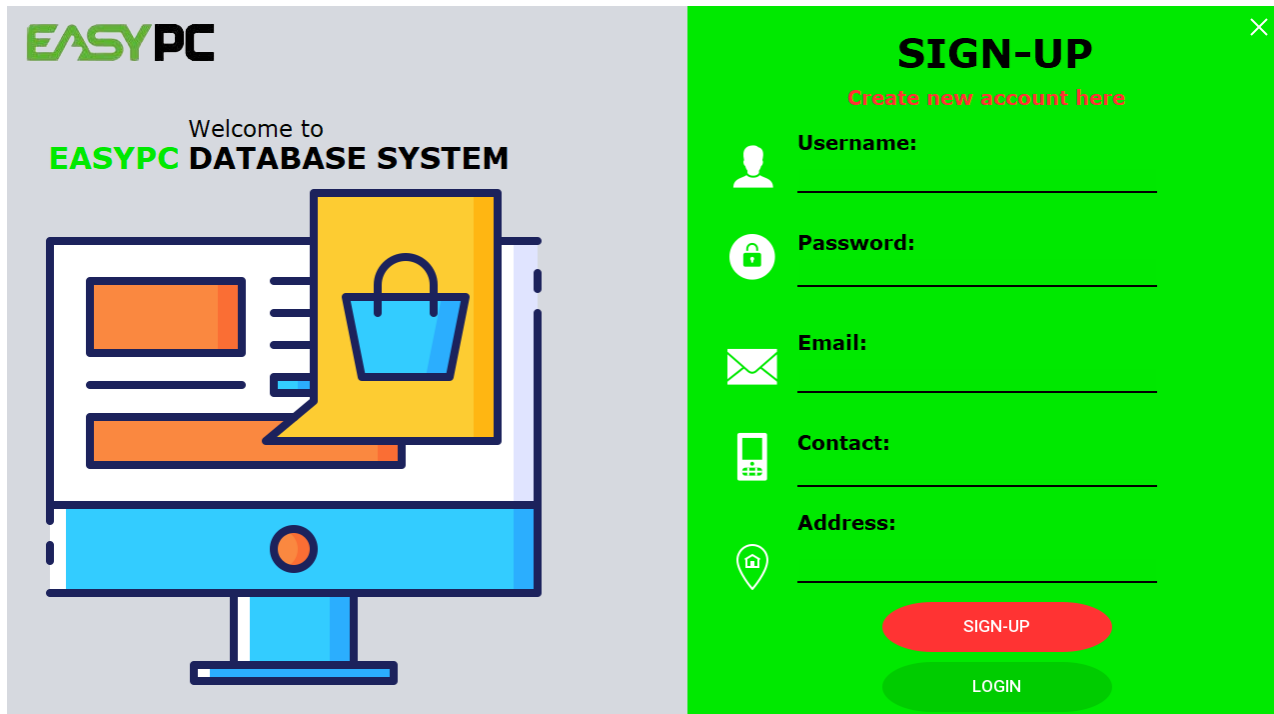


Figure 2: Product Sales in Pie Chart

User Interface



The Sign-Up page features a light gray sidebar on the left with the 'EASYPc' logo and a welcome message. The main area has a green background with a sign-up form. The form includes fields for Username, Password, Email, Contact, and Address, each with a corresponding icon. A red 'SIGN-UP' button and a green 'LOGIN' button are at the bottom.

EASYPc

Welcome to
EASYPc DATABASE SYSTEM

SIGN-UP
Create new account here

Username: _____

Password: _____

Email: _____

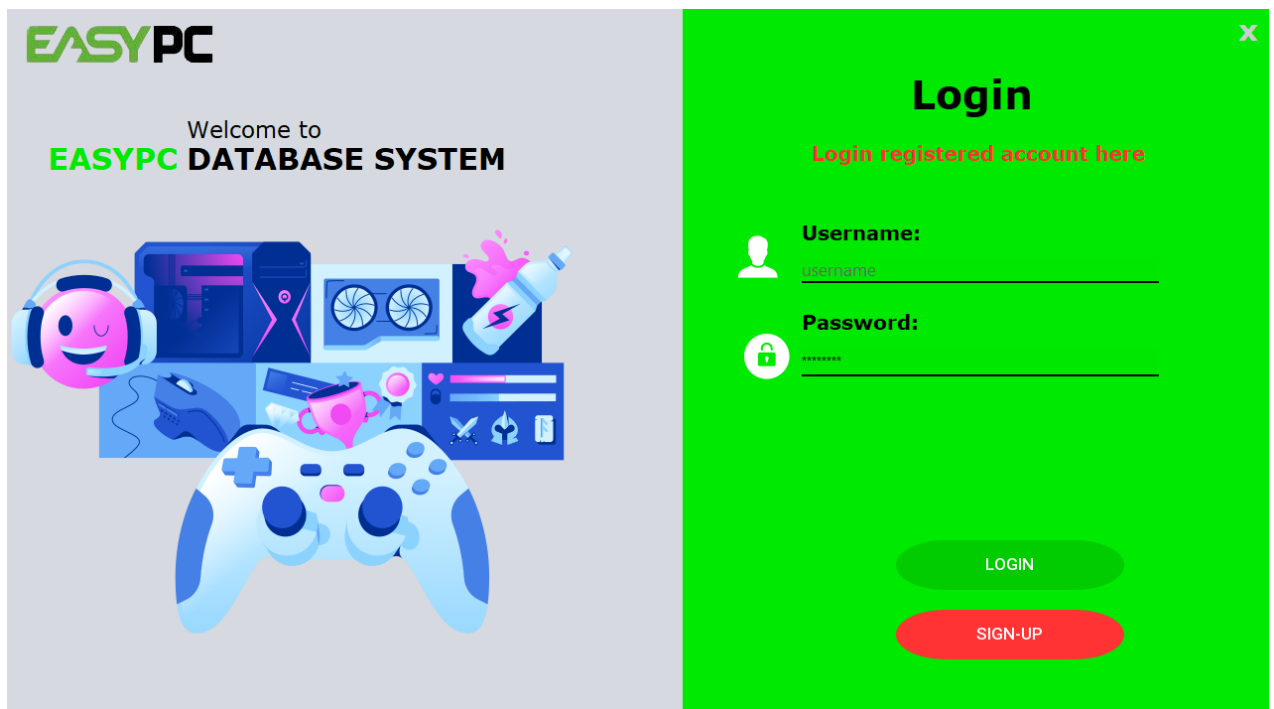
Contact: _____

Address: _____

SIGN-UP

LOGIN

Figure 1: Sign-Up Page



The Login page features a light gray sidebar on the left with the 'EASYPc' logo and a welcome message. The main area has a green background with a login form. The form includes fields for Username and Password, each with a corresponding icon. A green 'LOGIN' button and a red 'SIGN-UP' button are at the bottom.

EASYPc

Welcome to
EASYPc DATABASE SYSTEM

Login
Login registered account here

Username: _____

Password: _____

LOGIN

SIGN-UP

Figure 2: Login Page

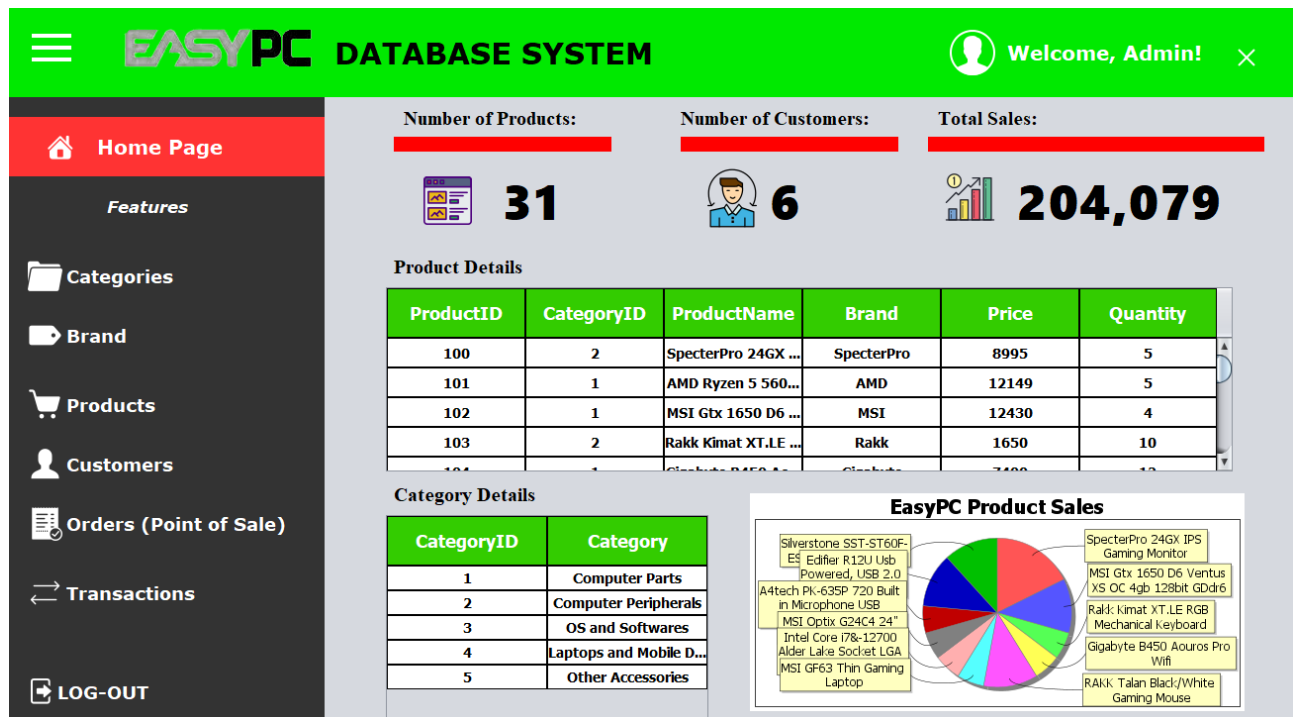


Figure 3: Home Page

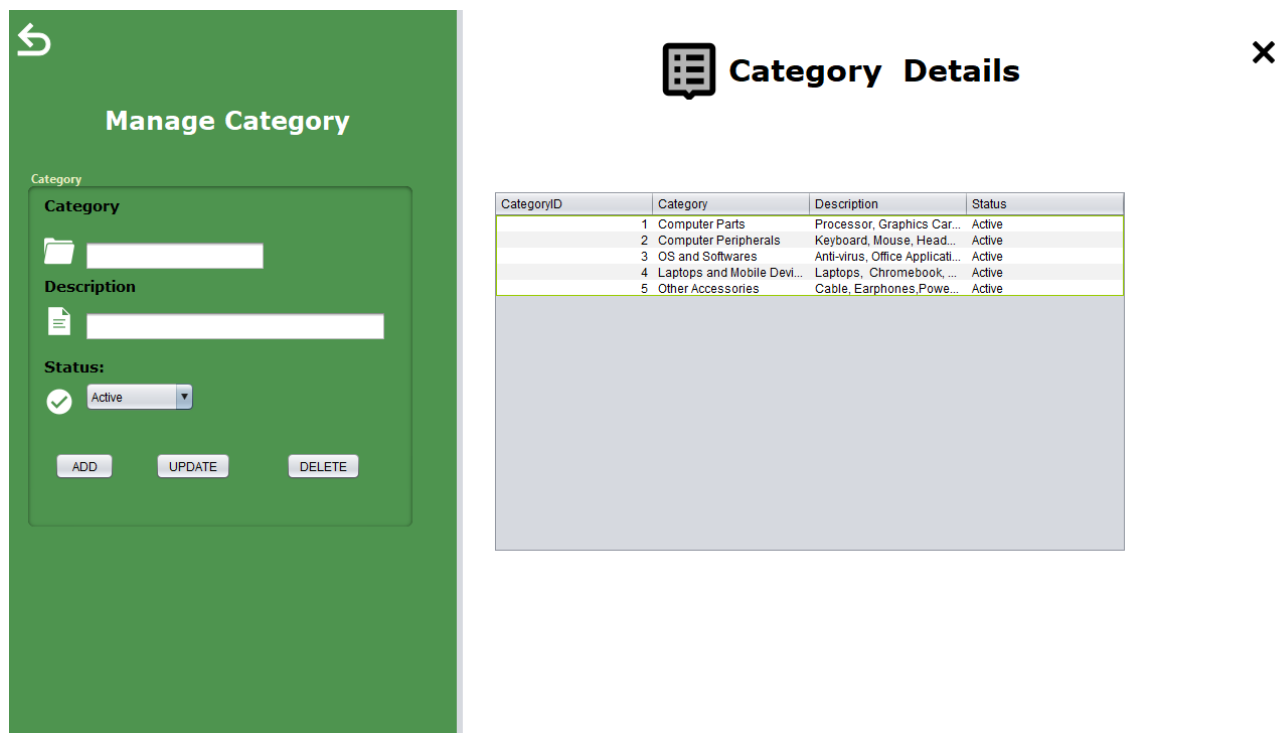


Figure 4: Category Page

BACK

Manage Brand

Brand

Brand

Asus

Status:

Active

ADD

UPDATE

DELETE

Brand Details

BrandID	Brand	Status
10	SpecterPro	Active
11	AMD	Active
12	MSI	Active
13	Rakk	Active
14	Gigabyte	Active
15	Sandisk	Active
16	Kingston	Active
17	Intel	Active
18	Asus	Active
19	Logitech	Active
20	Redragon	Active
21	Acer	Active
22	Onikuma	Active
23	A4tech	Active
24	Ugreen	Active
25	Neutron	Active
26	Edifier	Active
27	Samsung	Active
28	Nvision	Active
29	Razer	Active
30	Asrock	Active

Figure 5: Brand Page

Manage Product

Product

Product Name:

MSI GF65 Thin Gaming Laptop

Category:

Computer Parts

Brand

A4tech

Price

64500

Quantity

15

Status

inStock

ADD

UPDATE

DELETE

Display Product

Path

ATTACH PHOTO

Search Product by ID:

130

SEARCH

SEARCH BY:

Computer Parts

SEARCH

-

RANGE


REFRESH

Product ID	Product	Category	Category ID	Brand	Brand ID	Price	Quantity	Status
111	Asus Prim...	Computer ...	1	Asus	18	2900	10	inStock
112	Logitech G...	Computer ...	2	Logitech	19	900	13	inStock
113	Redragon ...	Computer ...	2	Redragon	20	1500	10	inStock
114	MSI Optix ...	Computer ...	2	MSI	12	11500	9	inStock
115	Acer Exten...	Laptops a...	4	Acer	21	35000	10	inStock
116	ONIKUMA ...	Computer ...	2	Onikuma	22	699	10	inStock
117	A4tech PK...	Other Acce...	5	A4tech	23	720	7	inStock
118	UGREEN ...	Other Acce...	5	Ugreen	24	695	15	inStock
119	Neutron 2...	Other Acce...	5	Neutron	25	1090	12	inStock
120	Edifier R1...	Other Acce...	5	Edifier	26	807	19	inStock
121	Samsung ...	Computer ...	1	Samsung	27	3700	20	inStock
122	MSI MAG A...	Computer ...	1	MSI	12	2930	12	inStock
123	Silverston...	Computer ...	1	Silverstone	42	2300	16	inStock
124	Samsung ...	Computer ...	1	Samsung	27	7050	18	inStock
125	Microsoft ...	OS and So...	3	Microsoft	41	3880	5	inStock
126	Microsoft ...	OS and So...	3	Microsoft	41	2880	10	inStock
127	Microsoft ...	OS and So...	3	Microsoft	41	1880	12	inStock
128	McAfee Int...	OS and So...	3	McAfee	39	880	12	inStock
129	McAfee Liv...	OS and So...	3	McAfee	39	1880	10	inStock
130	MSI GF65 ...	Laptops a...	4	MSI	12	64500	15	inStock

Figure 6: Product Page

Manage Customers


Customer




ATTACH PHOTO

D:\用户目录我的图片\kaisotto...

Customer Name:

 Kai Sotto



Email Address:

 kaisotto@gmail.com


Gender:

☒ Male ☐ Female ☐ Others

Date of Birth:

 13 2002-05-11 

Shipping Address:

 Wag Madaliin Street Las Piñas, Philippines

ADD UPDATE DELETE



Customer Details




Customer ID	Customer Name	Email Address	Gender	Birthday	Shipping Address
1004	Dezyna May Pald	dezynamaypalad@...	female	2001-12-12	143 Mobstaz Malab...
1005	Kai Sotto	kaisotto@gmail.com	male	2002-05-11	13 Wag Madaliin Str...
1000	Matthew Gallardo	matthewgallardo08...	male	2001-09-08	325 Loyola DrAptos...
1002	Paoruk Miguel Morato	paorukmorato@ma...	male	2001-10-16	1014 I MissU AveMa...
1003	Ronron Nicolas Tug...	ronronpily@ohoh.c...	male	2001-10-16	1014 Kerby AveLag...
1001	Zahren Hans Yoh	zahrenhanspogi@g...	others	2001-12-25	150 Memorial LnMo...


Figure 7: Customer Details

EASYPC POINT OF SALES

Customer Details

 Customer ID: 1005 Customer Name: Kai Sotto Email Address: kaisotto@gmail.com Shipping Address: 13 Wag Madaliin Street L...

Product Details

 Product ID: 103 Product Name: Mechanical Keyboard Brand: Rakk Price: 1650

Customer ID	Product ID	Product Name	Brand	Price	Quantity	Total
1005	102	MSI Gtx 1650 D6 ...	MSI	12430	2	24860
1005	104	Gigabyte B450 A...	Gigabyte	7400	3	22200
1005	103	Rakk Kimat XT L...	Rakk	1650	1	1650

Order ID: 509
Customer ID: 1005

Product	Brand	Price	Total
MSI Gtx 1650 D6 Ventus XS OC 4gb 128bit GDDR6			
Gigabyte B450 Aorus Pro Wifi	Gigabyte	7400	
Rakk Kimat XT.LE RGB Mechanical Keyboard	Rakk		

Subtotal: 48710
Pay: 50000
Balance: 1290

Mode of Payment: Gcash

Shipping Address: 13 Wag Madaliin Street Las Piñas, Philip...

*****THANK**YOU**COME**AGAIN*****

SubTotal: 48710 Pay: 50000
Date: 2022-07-24 Balance: 1290
Order No.: 509

Print Invoice:

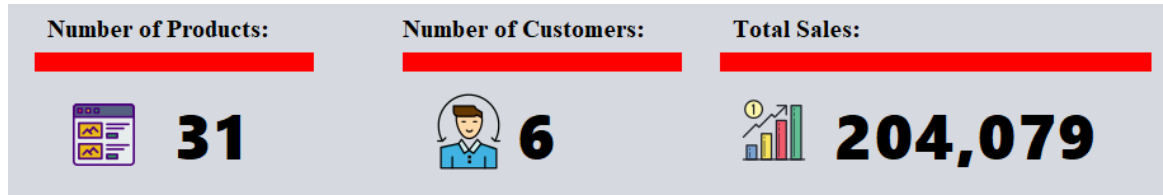
Figure 8: Order/ Point of Sales Page with receipt

TRANSACTION HISTORY									
Transactio...	Order ID	Customer ID	Date	Product ID	Product	Brand	Price	Quantity	Total
10000	500	1000	2022-07-20	108	MSI GF63 Thin...	MSI	55600	1	55600
10001	500	1000	2022-07-20	120	Edifier R12U U...	Edifier	807	1	807
10002	501	1002	2022-07-20	100	SpecterPro 24...	SpecterPro	8995	1	8995
10003	501	1002	2022-07-20	106	RAKK Talan Bl...	Rakk	1500	1	1500
10004	503	1002	2022-07-20	106	RAKK Talan Bl...	Rakk	1500	1	1500
10005	503	1002	2022-07-20	109	Intel Core i7&-...	Intel	20930	1	20930
10006	503	1002	2022-07-20	114	MSI Optix G24...	MSI	11500	1	11500
10007	504	1003	2022-07-20	100	SpecterPro 24...	SpecterPro	8995	2	17990
10008	505	1002	2022-07-20	123	Silverstone SS...	Silverstone	2300	1	2300
10009	505	1002	2022-07-20	120	Edifier R12U U...	Edifier	807	1	807
10010	506	1004	2022-07-21	102	MSI Gtx 1650 ...	MSI	12430	1	12430
10011	506	1004	2022-07-21	123	Silverstone SS...	Silverstone	2300	1	2300
10012	506	1004	2022-07-21	117	A4tech PK-635...	A4tech	720	1	720
10013	508	1000	2022-07-21	100	SpecterPro 24...	SpecterPro	8995	2	17990
10014	509	1005	2022-07-24	102	MSI Gtx 1650 ...	MSI	12430	2	24860

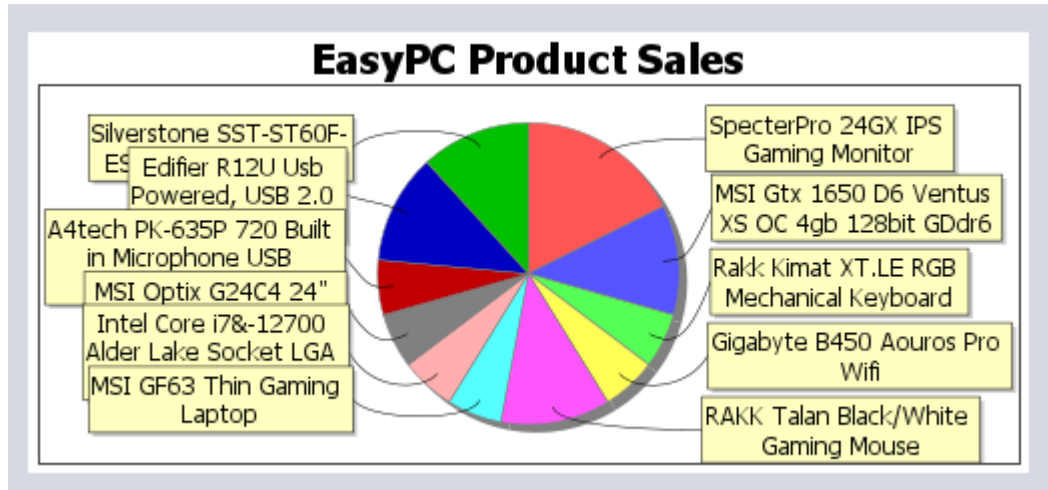
Figure 9: Transaction History Page

Test Data

- Number of Products, Customers, and Total Sales



- Piechart of Sales



- Category Data

CategoryID	Category	Description	Status
1	Computer Parts	Processor, Graphics Car...	Active
2	Computer Peripherals	Keyboard, Mouse, Head...	Active
3	OS and Softwares	Anti-virus, Office Applicati...	Active
4	Laptops and Mobile Devi...	Laptops, Chromebook, ...	Active
5	Other Accessories	Cable, Earphones,Powe...	Active

- Brand Data

BrandID	Brand	Status
10	SpecterPro	Active
11	AMD	Active
12	MSI	Active
13	Rakk	Active
14	Gigabyte	Active
15	Sandisk	Active
16	Kingston	Active
17	Intel	Active
18	Asus	Active
19	Logitech	Active
20	Redragon	Active
21	Acer	Active
22	Onikuma	Active
23	A4tech	Active
24	Ugreen	Active
25	Neutron	Active
26	Edifier	Active
27	Samsung	Active
28	Nvision	Active
29	Razer	Active
30	Asrock	Active

- Product Data

Product ID	Product	Category	Category ID	Brand	Brand ID	Price	Quantity	Status
100	SpecterPr...	Computer ...	2	SpecterPro	10	8995	5	inStock
101	AMD Ryze...	Computer ...	1	AMD	11	12149	5	inStock
102	MSI Gtx 16...	Computer ...	1	MSI	12	12430	4	inStock
103	Rakk Kim...	Computer ...	2	Rakk	13	1650	10	inStock
104	Gigabyte B...	Computer ...	1	Gigabyte	14	7400	12	inStock
105	Sandisk C...	Other Acce...	5	Sandisk	15	180	20	inStock
106	RAKK Tala...	Computer ...	2	Rakk	13	1500	14	inStock
107	Gigabyte P...	Computer ...	1	Gigabyte	14	2600	12	inStock
108	MSI GF63 ...	Laptops a...	4	MSI	12	55600	10	inStock
109	Intel Core i...	Computer ...	1	Intel	17	20930	9	inStock
110	Gigabyte ...	Computer ...	1	Gigabyte	14	22500	10	inStock
111	Asus Prim...	Computer ...	1	Asus	18	2900	10	inStock
112	Logitech G...	Computer ...	2	Logitech	19	900	13	inStock
113	Redragon ...	Computer ...	2	Redragon	20	1500	10	inStock
114	MSI Optix ...	Computer ...	2	MSI	12	11500	9	inStock
115	Acer Exten...	Laptops a...	4	Acer	21	35000	10	inStock
116	ONIKUMA ...	Computer ...	2	Onikuma	22	699	10	inStock
117	A4tech PK...	Other Acce...	5	A4tech	23	720	7	inStock
118	UGREEN ...	Other Acce...	5	Ugreen	24	695	15	inStock
119	Neutron 2...	Other Acce...	5	Neutron	25	1090	12	inStock

- Customers Data

Customer ID	Customer Name	Email Address	Gender	Birhday	Shipping Address
1004	Dezyna May Palad	dezynamaypalad@...	female	2001-12-12	143 Mobstaz Malab...
1005	Kai Sotto	kaisotto@gmail.com	male	2002-05-11	13 Wag Madaliin Str...
1000	Matthew Gallardo	matthewgallardo08...	male	2001-09-08	325 Loyola DrAptos,...
1002	Paoruk Miguel Morato	paorukmorato@ma...	male	2001-10-16	1014 I MissU AveMa...
1003	Ronron Nicolas Tug...	ronronpilay@ohoh.c...	male	2001-10-16	1014 Kerby AveLag...
1001	Zahren Hans Yoh	zahrenhanspogi@g...	others	2001-12-25	150 Memorial LnMo...

- Order Data

idorder	idcustomer	customer	subtotal	pay	balance	mop	date	shipping_address
500	1000	Matthew Gallardo	57307	60000	2693	Cash on Delivery	2022-07-20	325 Loyola Dr Aptos, California USA
501	1002	Paoruk Miguel Morato	10495	11000	505	Gcash	2022-07-20	1014 I MissU Ave Marikina City
502	1003	Ronron Nicolas Tugadi	2580	2600	20	Bank Transfer	2022-07-20	1014 Kerby Ave Laguna City
503	1002	Paoruk Miguel Morato	33930	34000	70	Paypal	2022-07-20	1014 I MissU Ave Marikina City
504	1003	Ronron Nicolas Tugadi	17990	20000	2010	Gcash	2022-07-20	1014 Kerby Ave Laguna City

- Ordered Products Data

idorderedproducts	idorder	idproduct	product	brand	price	quantity	total
10003	501	106	RAKK Talan Black/White Gaming Mouse	Rakk	1500	1	1500
10004	503	106	RAKK Talan Black/White Gaming Mouse	Rakk	1500	1	1500
10005	503	109	Intel Core i7&-12700 Alder Lake Socket LGA 4.9...	Intel	20930	1	20930
10006	503	114	MSI Optix G24C4 24" Curved Gaming Monitor	MSI	11500	1	11500
10007	504	100	SpecterPro 24GX IPS Gaming Monitor	SpecterPro	8995	2	17990
10008	505	123	Silverstone SST-ST60F-ES230 Power Supply	Silverstone	2300	1	2300