

AMERICAN INTERNATIONAL UNIVERSITY-BANGLADESH (AIUB)

Dept. of Computer Science Faculty of Science and Technology

CSC2210: OBJECT ORIENTED PROGRAMMING 2

Spring 2023-2024

Section: E

Group No: 23

Project Report On

Phone Shop Management System

Supervised By

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Submitted By:

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Project Tittle: Phone Shop Management System

Introduction:

The Phone shop management system is a software application that helps to buy and sell Phones. It includes features such as managing mobiles, bills, payments, customers, sales, stock. It also provides functions for viewing mobiles & comparing them and making payments. It is designed to be used by only two actorsadmin and Customer.

User Stories:

Use Case Name	Actor	User Story
Sign Up	Admin & Customer	As an admin or a customer in both cases, I need to sign up in the system. So that I can be an authorized member of this system
Log in & Log out	Admin & Customer	As an Admin and Customer, I want to be able to login and logout of the system securely, so that I can access my account and use the system's features
Managing Products	Admin	As an Admin of this system, I need to have access to manage products. Such as adding new products, deleting existing products, editing the product information. So that, I can track all products for improvement of this system.
Searching	Admin & Customer	As an admin and a customer, I need to search the products for work efficiency & save our valuable time.
Managing Stocks	Admin	As an admin, I need to keep track of my mobiles stocks, for giving the customers a hustle free system.
Customer History	Admin	As an admin, I need my customer history to keep track of customer's interests. Also, it needed for future record that will prove that a particular customer takes some products from our store.
Sell History	Admin	As an admin, I need my store's sells history to keep track of customers' demand. According to demand, I will manage my products. It will ensure my store business continuity.
Browse Products	Customer	As a customer, I have to see the available mobile for sale. So that, I can choose my desired mobile phone.
Buy Products	Customer	As a customer, I need that scope to buy products. I can buy as many products as I want. The system needs to support that process
Adding to Cart	Customer	As a customer, if I want, I can add into cart as many phones as I want. In the time of buying, I can buy them all or can buy my chosen specific models or even I can refuse to buy any products that time.
Make Payment	Customer	As a Customer, I need to have privileged in making payment in both ways. Online banking and Cash on delivery.
Payment Receipt	Customer	As a customer, at the end of making payment I can print my payment receipt if I want for future preservation. In that receipt, my details, transaction details and payment details should be available.
Discount	Customer	As a customer, I could get 20% discount on next payment if I bought 3 mobile phones earlier.

Compare	Customer	As a customer, I can compare 2 mobile phones based on
		some specification so that I can take decision about my
		purchase.
Approval	Admin	As an Admin I can approve or reject any customer. Once
		I approved any customer, He/she can log in to the system.

USE case Diagram:



Fig-1: Use case diagram for Phone Planet Management.

Class Diagram:

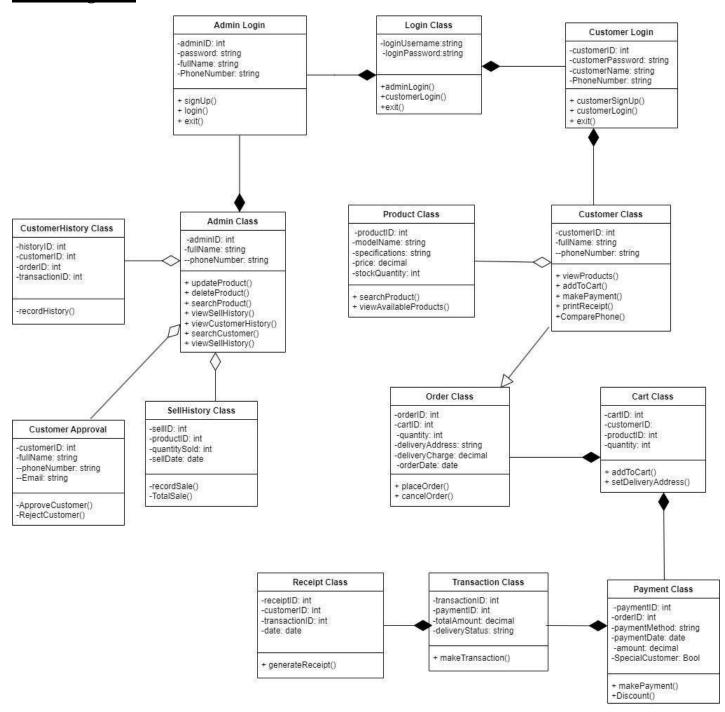


Fig-2: Class diagram for Phone Planet Management.

ER Diagram:

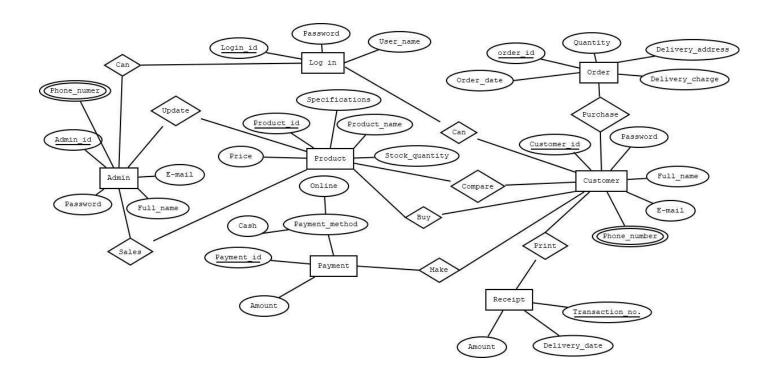


Fig-3: ER diagram for Phone Planet Management.

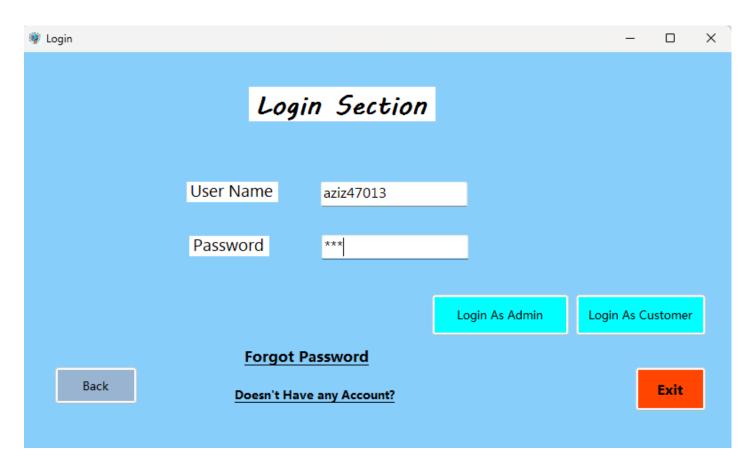
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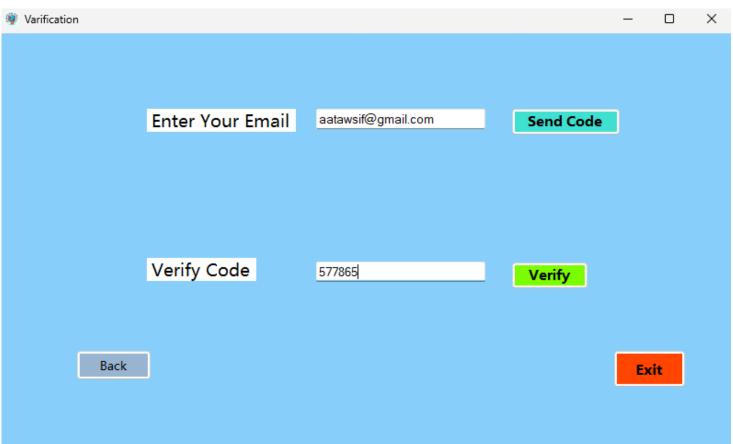
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Primary	user_id	INTEGER	4	No
	user_name	VARCHAR	250	No
Primary	admin_id	INTEGER	4	No
	admin_pass	VARCHAR	250	No
	admin_name	VARCHAR	250	No
	admin_phonenum	VARCHAR	250	No
Primary	customer_id	INTEGER	4	No
	customer_pass	VARCHAR	250	No
	customer_name	VARCHAR	250	No
	customer_email	VARCHAR	250	No
	customer_phonenum	VARCHAR	250	No
Primary	product_id	INTEGER	4	No
	model_name	VARCHAR	250	No
	specification	VARCHAR	250	No
	product_price	BIGINTEGER	8	No
	product_stock	BIGINTEGER	8	No
Primary	cart_id	INTEGER	4	No
	product_quantity	INTEGER	4	No
Primary	order_id	INTEGER	4	No
	delivery_address	VARCHAR	250	No
	delivery_charge	INTEGER	4	No
	order_date	VARCHAR	30	No
Primary	payment_id	INTEGER	4	No
	payment_method	VARCHAR	250	No
	transaction_date	VARCHAR	250	No
	payment_amount	BIGINTEGER	8	No
Primary	transaction_id	INTEGER	5	No
	total_amount	BIGINTEGER	8	No
Primary	sell_id	INTEGER	4	No
	quantity_sold	BIGINTEGER	8	No
	sell_date	VARCHAR	250	No
Primary	history_id	INTEGER	4	No
-	delivery_status	VARCHAR	250	No

Screenshot of Forms:









Reset Your Password!

User Name

aziz47013

Create New Password

12345

Confirm Password

12345

Reset For Admin

Back

Reset For Customer

Exit

















WELCOME TO THE PHONE PLANET







Redmi







Note 10









Company

ADD NEW PHONE RECORD

Model:

					_
Rear Camera	10 MP	~	Front Camera:	13 MP ~	,
RAM:	4 GB	~	Storage:	64 GB ~	′
Battery :	5000 mAh	\overline{v}	Guarantee :	2 Years v	,
Processor	OctaCore	~	Price :	25000	1
Display :	6 inch	U	IMEL:	23659856325	٦

ADD TO STOCK

UPDATE

RESET



















PHONE STOCK

	Phone ID	Company	Model	Rear Camera	Front Camera	Ram	Storage	Batte
	13	Samsung	Galaxy J5	20 MP	13 MP	4 GB	64 GB	4500 r
	17	Vivo	V15	10 MP	12 MP	8 GB	128 GB	6000
	28	Redmi	Note 8	20 MP	12 MP	8 GB	128 GB	5000
	19	Redmi	Note 10	10 MP	13 MP	4 GB	64 GB	5000
>	22	Redmi	Note 11	24 MP	15 MP	4 GB	64 GB	6000
	25	Samsung	J2 Prime	10 MP	12 MP	4 GB	64 GB	6000
	26	iPhone	15	20 MP	17 MP	8 GB	128 GB	5000
	24	One Plus	10 Pro	8 MP	10 MP	8 GB	128 GB	6000
	27	Realme	C15	20 MP	12 MP	8 GB	128 GB	5000
	20	Vivo	V15	20 MP	13 MP	4 GB	128 GB	4500
	23	Infinix	Note 10	8 MP	10 MP	4 GB	64 GB	6000
	21	Орро	A15	20 MP	13 MP	4 GB	128 GB	4500

Phone ID 22 Company Redmi Model Name Note 11 RAM 4 GB Storage 64 GB

Rear Camera 24 MP Front Camera 15 MP Display 6 inch Battery 6000 mAh Processor OctaCore

IMEI Number 69325789642 Guarantee 2 Years Price 35000



DELETE PHONE



Search By: Company / Model / IMEI Number

vivo

	Phone ID	Company	Model	Rear Camera	Front
•	20	Vivo	V15	20 MP	13 MI
*					
_					

Company Name Vivo

Model Name V15

IMEI Number 98631489325

DELETE PHONE





















CUSTOMER RECORD

Search By Username / Phone No / Email

tawsif23

	Name	User_Name	Mobile_No	Email	Address	F
•	tawsif	tawsif23	01631575215	aatawsif@gmail.c	Khilgaon	1
*						
_						

Username tawsif23

Phone No: 01631575215

Email: aatawsif@gm

Ban Customer

















SELL HISTORY

Jser_Name	Mob	ile_No	Ad	dress	Comp	any_Name	Mo	del_N	lame
yan360	0185	6321478	Mug	gda,Dhaka	Samsu	ung	Gala	xy J5	,
wsif23	0163	1575215	khil	gaon,Dhaka	Samsu	un	A15		
wsif23	0163	1575215	khil	gaon,Dhaka	Samsu	un	A15		
ı	5646	5263	weg	gwe	Samsu	ung	Gala	xy J5	,
ì	5646	5263	weg	gwe	Vivo		V15		
wsif23	0163	1575215	khil	gaon,Dhaka	Samsu	ung	Note	10	
wsif23	0163	1575215	khil	gaon,Dhaka	Samsu	ung	Note	10	
yan25	0153	24569875	Bas	hundhara	Vivo		V15		
yan25	0153	24569875	Bas	hundhara	Samsu	ung	Gala	xy J5	,
yan25	0153	24569875	Bas	hundhara	Samsu	ung	Gala	xy J5	,
yan25	0153	24569875	Bas	hundhara	Vivo		V15		
wsif1	0181	7635312	Khil	gaon	Samsu	ung	Gala	xy J5	,
1	0194	1818301	Dha	ka	Vivo		V15		
1	0194	1818301	Dha	ka	Vivo		V15		
•	0134	1010301	Dire	ina		VO	vo	VO V13	VO VIS
	yan360 wsif23 wsif23 wsif23 wsif23 yan25 yan25 yan25 yan25 wsif1	van360 0185 van360 0185 van360 0185 van360 0163 van25 0163 van25 0153 van25 0153	van360 01856321478 van360 01856321478 van360 01856321478 vanif23 01631575215 vanif23 01631575215 vanif23 01631575215 vanif23 01631575215 vanif23 01631575215 vanif25 015324569875 vanif25 015324569875 vanif25 015324569875 vanif25 015324569875 vanif25 015324569875 vanif25 015324569875 vanif2 01817635312 vanif2 01941818301	van360 01856321478 Mug van360 01856321478 Mug van360 01856321478 Mug van360 01631575215 khile van25 01631575215 van25 015324569875 Bas van26 015324569875 Bas van27 015324569875 Bas van28 015324569875 Bas van29 015324569875 Bas	yan360 01856321478 Mugda,Dhaka wwif23 01631575215 khilgaon,Dhaka wwif23 01631575215 khilgaon,Dhaka wsif23 01631575215 weggwe 56465263 weggwe wsif23 01631575215 khilgaon,Dhaka wsif23 01631575215 khilgaon,Dhaka van25 015324569875 Bashundhara van25 015324569875 Bashundhara	yan360 01856321478 Mugda,Dhaka Samsi wsif23 01631575215 khilgaon,Dhaka Samsi wsif23 01631575215 khilgaon,Dhaka Samsi 56465263 weggwe Samsi 56465263 weggwe Vivo wsif23 01631575215 khilgaon,Dhaka Samsi wan25 015324569875 Bashundhara Vivo yan25 015324569875 Bashundhara Samsi yan26 015324569875 Bashundhara Samsi yan27 01817635312 Khilgaon Samsi yan28 015324569875 Bashundhara Vivo	yan360 01856321478 Mugda, Dhaka Samsung wsif23 01631575215 khilgaon, Dhaka Samsun wsif23 01631575215 khilgaon, Dhaka Samsun 56465263 weggwe Samsung wsif23 01631575215 khilgaon, Dhaka Samsung wsif23 01631575215 khilgaon, Dhaka Samsung wan25 015324569875 Bashundhara Vivo yan25 015324569875 Bashundhara Samsung yan25 015324569875 Bashundhara Vivo	yan360 01856321478 Mugda, Dhaka Samsung Gala wsif23 01631575215 khilgaon, Dhaka Samsun A15 wsif23 01631575215 khilgaon, Dhaka Samsun A15 56465263 weggwe Samsung Gala 56465263 weggwe Vivo V15 wsif23 01631575215 khilgaon, Dhaka Samsung Note wsif23 01631575215 khilgaon, Dhaka Samsung Note van25 015324569875 Bashundhara Vivo V15 van25 015324569875 Bashundhara Samsung Gala van25 015324569875 Bashundhara Vivo V15 wsif1 01817635312 Khilgaon Samsung Gala 01941818301	yan360 01856321478 Mugda, Dhaka Samsung Galaxy J5 wsif23 01631575215 khilgaon, Dhaka Samsun A15 wsif23 01631575215 khilgaon, Dhaka Samsun A15 56465263 weggwe Samsung Galaxy J5 56465263 weggwe Vivo V15 wsif23 01631575215 khilgaon, Dhaka Samsung Note 10 wsif23 01631575215 khilgaon, Dhaka Samsung Note 10 van25 015324569875 Bashundhara Vivo V15 van25 015324569875 Bashundhara Samsung Galaxy J5 van25 015324569875 Bashundhara Samsung Galaxy J5<



Customer Username tawsif23

Company Samsung

Model Note 10

Quantity 2

Price 40000

Discount 20%

Total Price 32000

Total Sell

574000













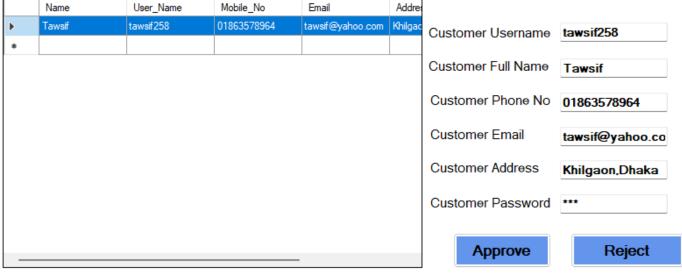






CUSTOMER APPROVAL









Full Name: Tawsif Aziz Ahmed

User Name: tawsif123

Phone: 01317170751

Address: Dhaka,Bangladesh

E-mail: tawsif262@gmail.com

Back

Home **Available Phones** Search Phone: Phone ID Company Model Rear Camera Front Camera Ram Storage E 4! 13 Samsung Galaxy J5 20 MP 13 MP 4 GB 64 GB 29 S22 Samsung 8 MP 11 MP 4 GB 32 GB 4 28 Redmi Note 8 20 MP 12 MP 8 GB 128 GB 5(19 Redmi Note 10 10 MP 13 MP 4 GB 64 GB 5(22 Redmi Note 11 24 MP 15 MP 4 GB 64 GB 61 J2 Prime 12 MP 64 GB 25 10 MP 4 GB 61 Samsung 26 iPhone 20 MP 17 MP 8 GB 128 GB 5(24 10 Pro 8 MP 10 MP 8 GB 128 GB 61 One Plus 27 Realme C15 20 MP 12 MP 8 GR 128 GR 5/ Phone ID: 29 Company: Samsung Model Name S22 RAM 4 GB Storage 32 GB Rear Camera 8 MP Front Camera 11 MP Display 6 inch Battery 4500 mAh Processor Helio IMEI Number 15784 Guarantee 2 Years 40000 Price Quantity: Add to Cart Back

bKash

User_Name: tawsif123

Phone: 01317170751 Discount

Address: Dhaka,Bangladesh 0.00

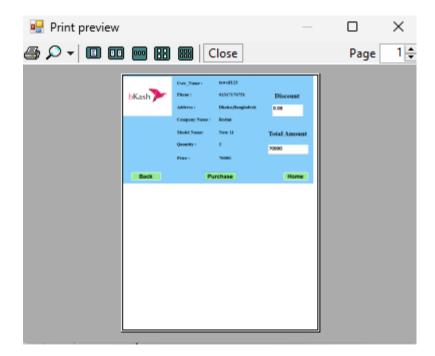
Company Name: Redmi

Model Name: Note 11 Total Amount

Quantity: 2 70000

Price: 70000

Back Purchase Home



Comparison

Phone ID 25

	Phone ID	Company	Model	Rear Camera
	13	Samsung	Galaxy J5	20 MP
	28	Redmi	Note 8	20 MP
	19	Redmi	Note 10	10 MP
	22	Redmi	Note 11	24 MP
>	25	Samsung	J2 Prime	10 MP
	26	iPhone	15	20 MP
	24	One Plus	10 Pro	8 MP
_		_		

	Phone ID	Company	Model	Rear Came
	13	Samsung	Galaxy J5	20 MP
	28	Redmi	Note 8	20 MP
	19	Redmi	Note 10	10 MP
	22	Redmi	Note 11	24 MP
Þ.	25	Samsung	J2 Prime	10 MP
	26	iPhone	15	20 MP
	24	One Plus	10 Pro	8 MP

Phone ID 19	Co	mpany	Redmi	Processor	r OctaCore
Model Name	Note 10	Storage	64 GB	Display	6 inch
Rear Camera	10 MP	Battery	5000 mAh	RAM	4 GB
Front Camera	13 MP	Guarant	ee 2 Year	s Price	25000
IMEI Number	236598	56325			

Model Name	J2 Prime	Storage 6	4 GB I	Display	6.5 inch	
Rear Camera	10 MP	Battery 6	000 mAh	RAM	4 GB	
Front Camera	12 MP	Guarantee	2 Years	Price	35000	
IMEI Number 76324963865						

Company Samsung Processor Snapdragon

Back

PURCHASE HISTORY

	User_Name	Mobile_No	Address	Company_
	tawsif123	01317170751	Dhaka,Bangladesh	Redmi
	tawsif123	01317170751	Dhaka,Bangladesh	iPhone
>	tawsif123	01317170751	Dhaka,Bangladesh	iPhone
	tawsif123	01317170751	Dhaka,Bangladesh	Redmi
*				
		_		

User Name	tawsif123
Company	iPhone
Model Name	15
Quantity	1
Price	105000
Discount	20%
Total Price	84000

Back