Cairo University
Faculty of Computers and Artificial Intelligence
IS Department

Course code: IS332
Course: Analysis and Design of Information Systems
Under supervision: Dr. Iman Helal – Dr. Dina Ezzat
Academic Year: 2022-2023

Project Details

Project number	*13*
Project title	*Mega store corporation*

Corresponding TA\LA	*Dina abbas*
Deliverable	*3*

Team Details

Student ID	Student name	Lab Group
20200186	Reem Ayman Abdel-fattah	S7
20200228	Salma Sherif Mostafa	S7
20201056	Hasnaa Gamil Abdel-nabai	S7
20201064	Rahma El-sayed Abo El-gheet	S7
20200140	Habiba Ayman El-tahre	S1
20200173	Dina Othman Emam	S1
20200734	Sara Mahmoud Mohamed	S8

DESIGN THE ENVIRONMENT

1. Using the project description then answer the following questions:

a. With what external systems and databases will the system under development interact?

- External systems:

    1- Paymob to integrate with Bank (Paymob interacts with The bank system for the payment with credit card method to verify the credit card information and deduct the money from customer's credit card).
    2- Suppliers (we deal with various suppliers to provide the variations of products).
    3- Fawry System (different payment technique, it makes the payment method easier).

- Databases:

    - ProductDA (<u>PID</u> , Type, Date, Quantity, Name, Weight, Category, Price, WalletID, StoreName)
    - AccountDa (<u>accountID</u>, userName, password, customerID)
    - OrderDA (<u>OrderID</u>, CustomerName, Date, Quantity,　　accountNo, PID, WalletID, customerID)
    - Store DA (<u>Name</u>, Address)
    - Report (<u>ReportID</u>, NumSoldProduct, MostWantedProducts, StoreName)

Cairo University
Faculty of Computers and Artificial Intelligence
IS Department

Course code: IS332
Course: Analysis and Design of Information Systems
Under supervision: Dr. Iman Helal – Dr. Dina Ezzat
Academic Year: 2022-2023

b. What devices will be used for automated inputs and outputs?

Input devices:

touch screen → mobile or tablet
mouse and keyboard → laptop
scanner
Bar code

Output devices :

printer

screen

c. What user-interface technology will be used?

1. Where users will be located?

Users' physical location can be specified by using google maps and for virtual location maybe in data.

For onsite, in the main branch. For offsite, through system.

2. What hardware devices will users use?

For accessing system, they need for example mobile phone or laptop. If they need to take hard copy for product, printer is suggested.

THE USER & SYSTEM INTERFACES
2.Using the system sequence diagrams developed during the analysis phase of your project:

a. Identify the various screens and forms that may be needed for the user interface.
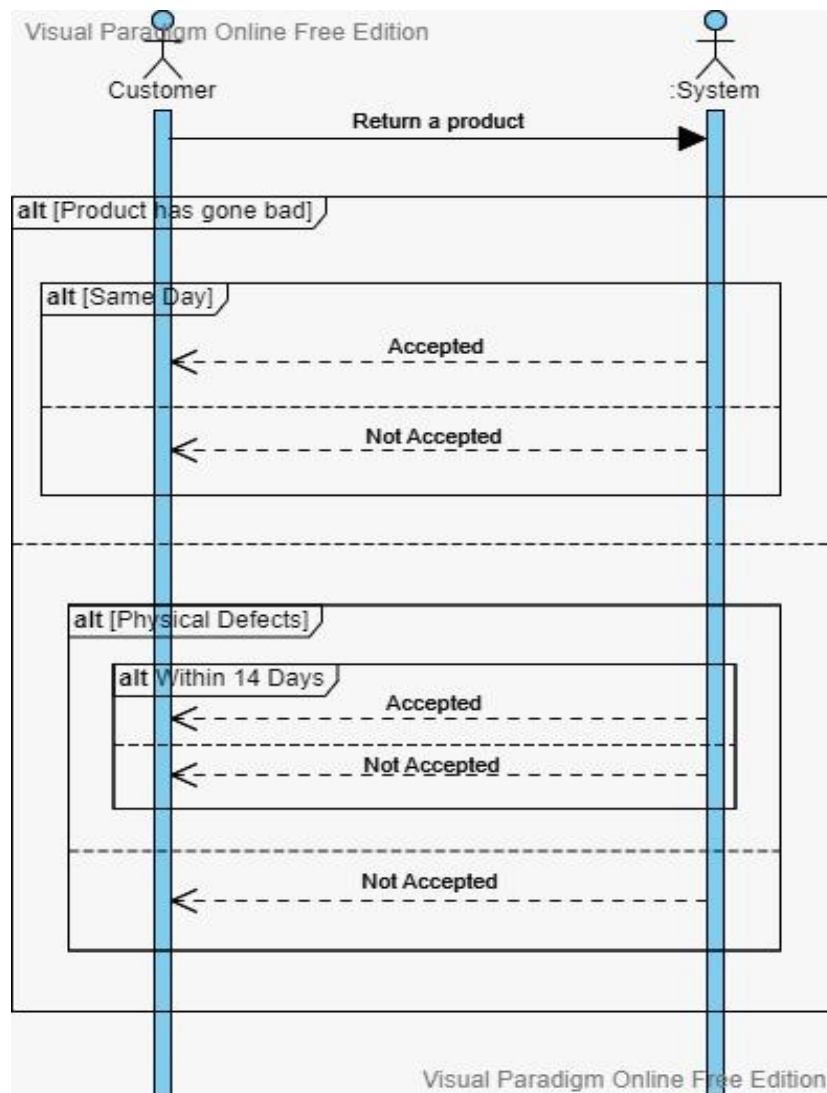
1-provide a product

Provide product
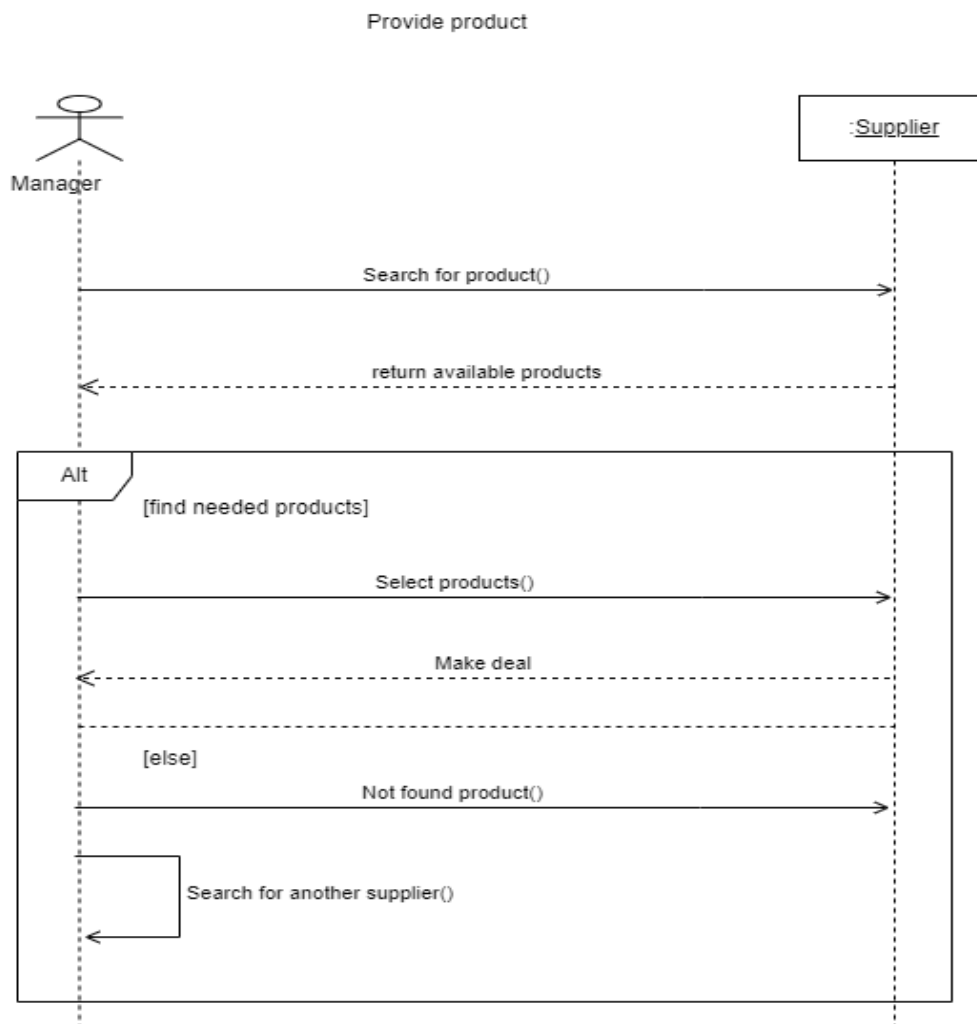
List of user interfaces (screens/forms):

　　I.　　Input Screen for entering the product that the manager searches for.
　　II.　　Output Screen for viewing the matching products.
　　III.　　Input Screen to select products the manager wants to deal about.
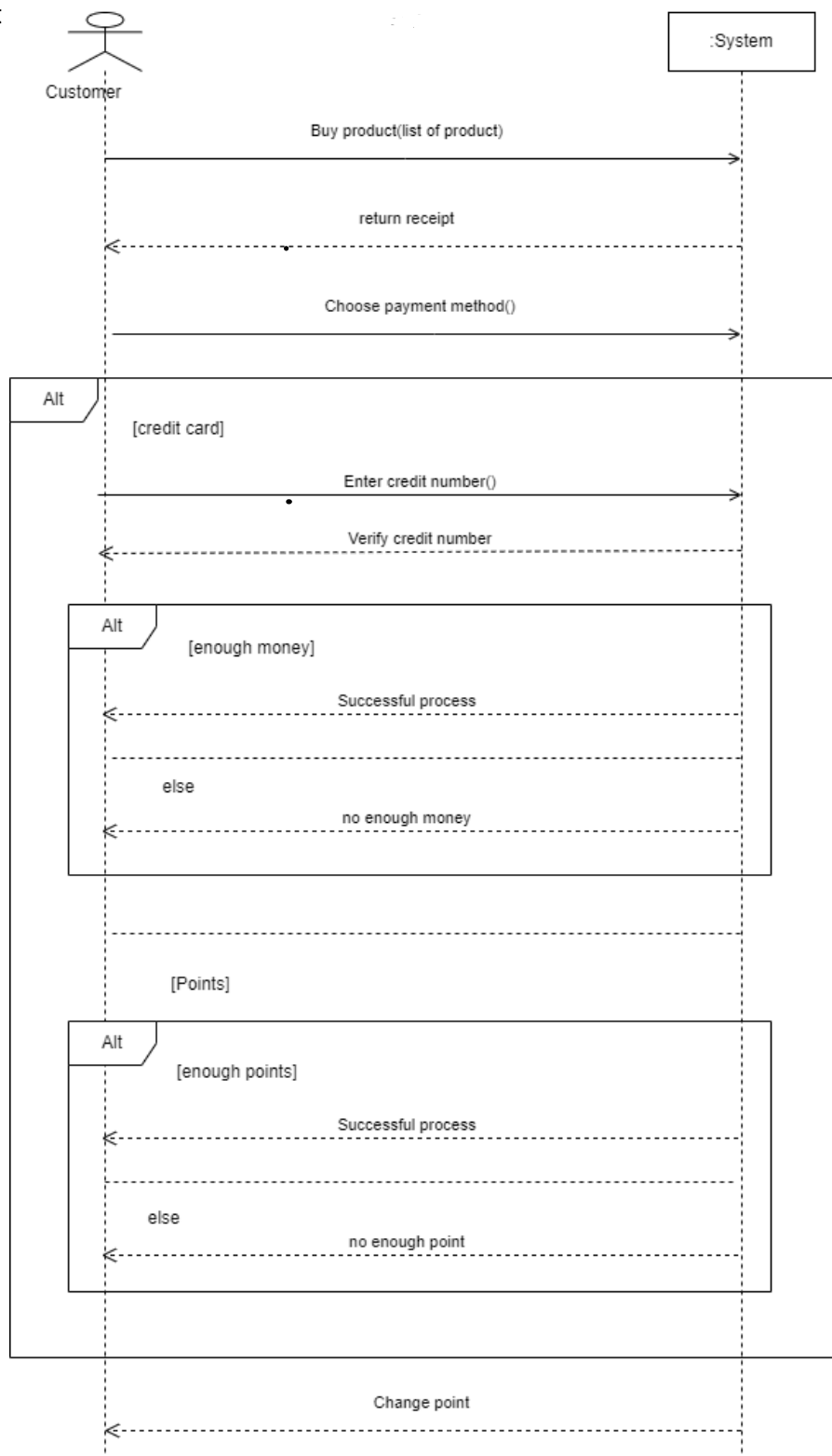　　IV.　　Output Screen to ensure the deal.

2-return a product

List of user interfaces (screens/forms):

     I.   Input Screen for entering the product which the customer wants to return, the reason for returning it and when he bought it.

    II.   Output Screen for viewing the acceptance or not.

Cairo University
Faculty of Computers and Artificial Intelligence
IS Department

Course code: IS332
Course: Analysis and Design of Information Systems
Under supervision: Dr. Iman Helal – Dr. Dina Ezzat
Academic Year: 2022-2023

3-pay for product

List of user interfaces (screens/forms):

I.   Input Screen for entering the product that the customer wants to buy.
II.   Output Screen to show receipt.
III.   Input Screen to select the payment method and its corresponding fields (if exist).
IV.   Output Screen to show the state of the payment process.

Cairo University
Faculty of Computers and Artificial Intelligence
IS Department

Course code: IS332
Course: Analysis and Design of Information Systems
Under supervision: Dr. Iman Helal – Dr. Dina Ezzat
Academic Year: 2022-2023

3.From use case diagrams developed during the analysis phase of your project which related to the screens and forms identified in (2.a):

a. Create a good menu design by following the principles you studied. This should start by defining how use case are grouped inside a menu in a tabular format, which is followed by the actual menu design and define which menu style will be used?

Menu description	Menu choices (use cases)	Intended user(s)
Product	-Change product price -add product -provide products -return product -Search and view product -Sell product -Check item	-manager -supplier -Customer -Sub-system
Report	-Check reports	- manager
Offers	-Make offers - Check offers -make deals	- manager - Customer - supplier
Points	- view points - Change point - check reusable bag	- Customer - Sub-system
Payment	-pay with credit -pay in cash -pay with point	- Customer

shows a more complex menu design, with three menu levels displayed.

Cairo University
Faculty of Computers and Artificial Intelligence
IS Department

Course code: IS332
Course: Analysis and Design of Information Systems
Under supervision: Dr. Iman Helal – Dr. Dina Ezzat
Academic Year: 2022-2023

Mega store corporation

Hello, Ahmed!

| Product ▾ | Report ▾ | Offers ▾ | Points ▾ | Payment ▾ | Support | Help |

change product price
add product
provide products
return product
Search and view product
Sell product
Check item

Mega store corporation

Hello, Ahmed!

| Product ▾ | Report ▾ | Offers ▾ | Points ▾ | Payment ▾ | Support | Help |

Check reports

Cairo University
Faculty of Computers and Artificial Intelligence
IS Department

Course code: IS332
Course: Analysis and Design of Information Systems
Under supervision: Dr. Iman Helal – Dr. Dina Ezzat
Academic Year: 2022-2023

Mega store corporation

ONLINE SHOP

Hello, Ahmed!

Product ▾   Report ▾   Offers ▾   Points ▾   Payment ▾   Support   Help

Make offers
Check offers
Make deals

Mega store corporation

ONLINE SHOP

Hello, Ahmed!

Product ▾   Report ▾   Offers ▾   Points ▾   Payment ▾   Support   Help

View points
Change point
Check reusable bag

Mega store corporation

ONLINE SHOP

Hello, Ahmed!

Product ▾   Report ▾   Offers ▾   Points ▾   Payment ▾   Support   Help

pay with credit
pay in cash
pay with point

Project **13**

Cairo University
Faculty of Computers and Artificial Intelligence
IS Department

Course code: IS332
Course: Analysis and Design of Information Systems
Under supervision: Dr. Iman Helal – Dr. Dina Ezzat
Academic Year: 2022-2023

b. For the screens and forms identified in (2.a) create a **Storyboard** that captures the sequences of event. Storyboards may be designed using **wireframe tool or any low-fidelity** paper sketches, e.g. pencil tool, power points, etc.

First storyboard (provide a product)

Project **13**

Cairo University
Faculty of Computers and Artificial Intelligence
IS Department

Course code: IS332
Course: Analysis and Design of Information Systems
Under supervision: Dr. Iman Helal – Dr. Dina Ezzat
Academic Year: 2022-2023

Mega store corporation

ONLINE SHOP

LogIn

Choose:

☑ Manager
☐ Customer

Mail: TarekHaddad@gmail.com

Password: ***************

☑ remember me

Log In

Mega store corporation

ONLINE SHOP

Home

Change product price

Check reports

Make offers

Button - Open Links, Navig...

Make deals

Project **13**

Cairo University
Faculty of Computers and Artificial Intelligence
IS Department

Course code: IS332
Course: Analysis and Design of Information Systems
Under supervision: Dr. Iman Helal – Dr. Dina Ezzat
Academic Year: 2022-2023

Cairo University
Faculty of Computers and Artificial Intelligence
IS Department

Course code: IS332
Course: Analysis and Design of Information Systems
Under supervision: Dr. Iman Helal – Dr. Dina Ezzat
Academic Year: 2022-2023

Mega store corporation

ONLINE SHOP

Home

Your deal has completed successfully with Samsung supplier for 30 pieces of Samsung 65 inch silver screens.

The order will be shipped within 2 weeks.

Cairo University
Faculty of Computers and Artificial Intelligence
IS Department

Course code: IS332
Course: Analysis and Design of Information Systems
Under supervision: Dr. Iman Helal – Dr. Dina Ezzat
Academic Year: 2022-2023

Second storyboard (return a product)

Cairo University
Faculty of Computers and Artificial Intelligence
IS Department

Course code: IS332
Course: Analysis and Design of Information Systems
Under supervision: Dr. Iman Helal – Dr. Dina Ezzat
Academic Year: 2022-2023

Mega store corporation

ONLINE SHOP

LogIn

Choose:

☐ Manager
☑ Customer

Mail: ahmedosama1@gmail.com

Password: *********

☑ remember me

Log In

Mega store corporation

ONLINE SHOP

Hello , Ahmed !

Home

Search and View Products

view cart

Pay for Products

Button - Open Links, Navigat...

Return Products

View points

Project **13**

Cairo University
Faculty of Computers and Artificial Intelligence
IS Department

Course code: IS332
Course: Analysis and Design of Information Systems
Under supervision: Dr. Iman Helal – Dr. Dina Ezzat
Academic Year: 2022-2023

Cairo University
Faculty of Computers and Artificial Intelligence
IS Department

Course code: IS332
Course: Analysis and Design of Information Systems
Under supervision: Dr. Iman Helal – Dr. Dina Ezzat
Academic Year: 2022-2023

Cairo University
Faculty of Computers and Artificial Intelligence
IS Department

Course code: IS332
Course: Analysis and Design of Information Systems
Under supervision: Dr. Iman Helal – Dr. Dina Ezzat
Academic Year: 2022-2023

Third storyboard (pay for product)

Cairo University
Faculty of Computers and Artificial Intelligence
IS Department

Course code: IS332
Course: Analysis and Design of Information Systems
Under supervision: Dr. Iman Helal – Dr. Dina Ezzat
Academic Year: 2022-2023

Mega store corporation

ONLINE SHOP

LogIn

Choose:

☐ Manager

☑ Customer

Mail: ahmedosama1@gmail.com

Password: *********

☑ remember me

Log In

.

Mega store corporation

ONLINE SHOP

Hello, Ahmed!

Home

Search and View Products

view cart

Button – Open Links, Navigat...

Pay for Products

Return Products

View Points

Project **13**

Cairo University
Faculty of Computers and Artificial Intelligence
IS Department

Course code: IS332
Course: Analysis and Design of Information Systems
Under supervision: Dr. Iman Helal – Dr. Dina Ezzat
Academic Year: 2022-2023

Mega store corporation
ONLINE SHOP

Home

Receipt

Items on the cart:	TV smartscreen.
total price:	10000$.
Order Date:	12/12/2022
Shipping date:	19/12/2022

Button - Open Links, Navigate...

Continue to pay

Mega store corporation
ONLINE SHOP

Home

Please choose payment method:

● Credit Card
○ Cash
○ Points

Please, Enter credit card number:

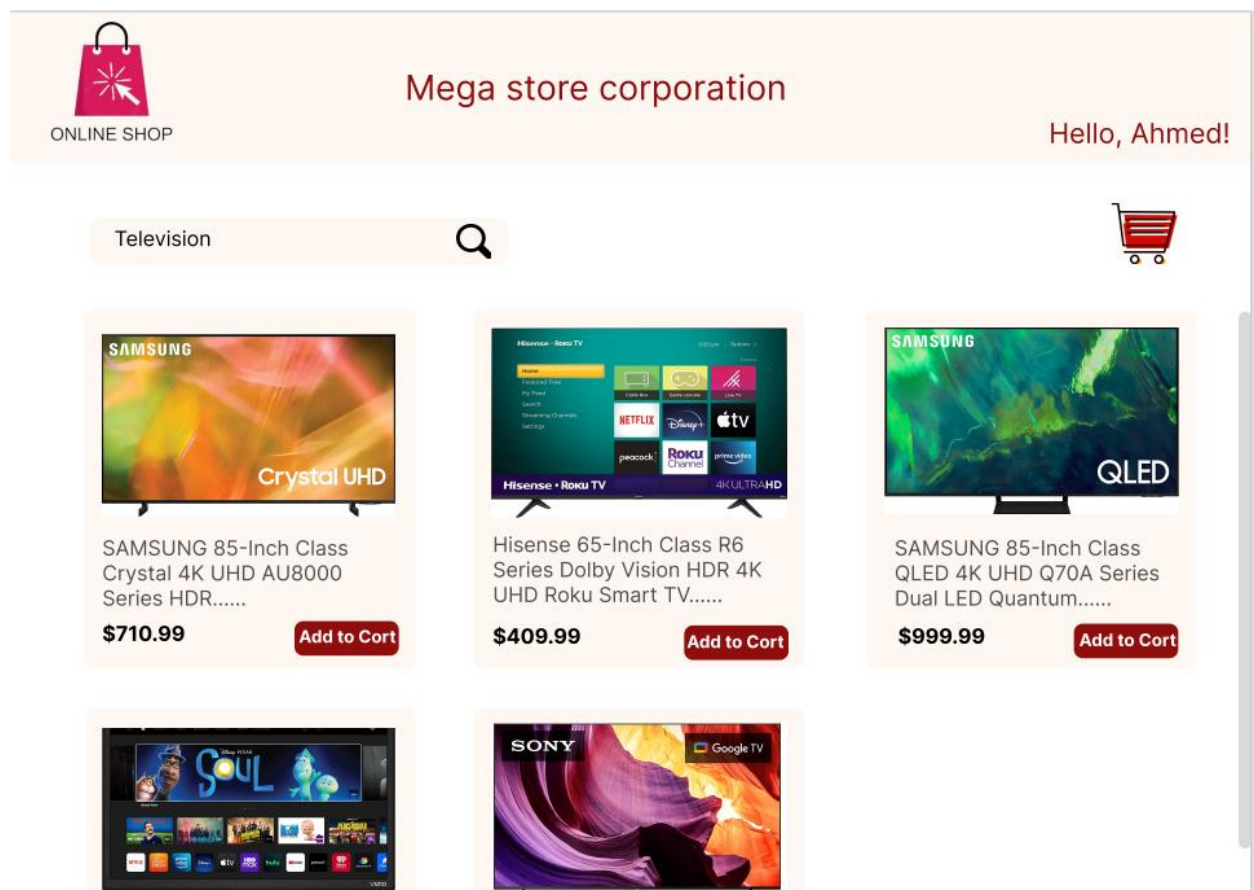xxxx-xxxx-4856

OK   Another Method

Cairo University
Faculty of Computers and Artificial Intelligence
IS Department

Course code: IS332
Course: Analysis and Design of Information Systems
Under supervision: Dr. Iman Helal – Dr. Dina Ezzat
Academic Year: 2022-2023

Cairo University
Faculty of Computers and Artificial Intelligence
IS Department

Course code: IS332
Course: Analysis and Design of Information Systems
Under supervision: Dr. Iman Helal – Dr. Dina Ezzat
Academic Year: 2022-2023

c. Design a web-based user interface (screen) and mobile/tablet interface for one of the screens from (2.a).

web-based

Cairo University
**Faculty of Computers and Artificial Intelligence**
IS Department

Course code: IS332
Course: Analysis and Design of Information Systems
Under supervision: Dr. Iman Helal – Dr. Dina Ezzat
Academic Year: 2022-2023

mobile

Cairo University
Faculty of Computers and Artificial Intelligence
IS Department

Course code: IS332
Course: Analysis and Design of Information Systems
Under supervision: Dr. Iman Helal – Dr. Dina Ezzat
Academic Year: 2022-2023

4.Consider all User Interface Design Guidelines you studied and show how they addressed in your screens

Reports:
- Design One electronic internal output reports of your choice.
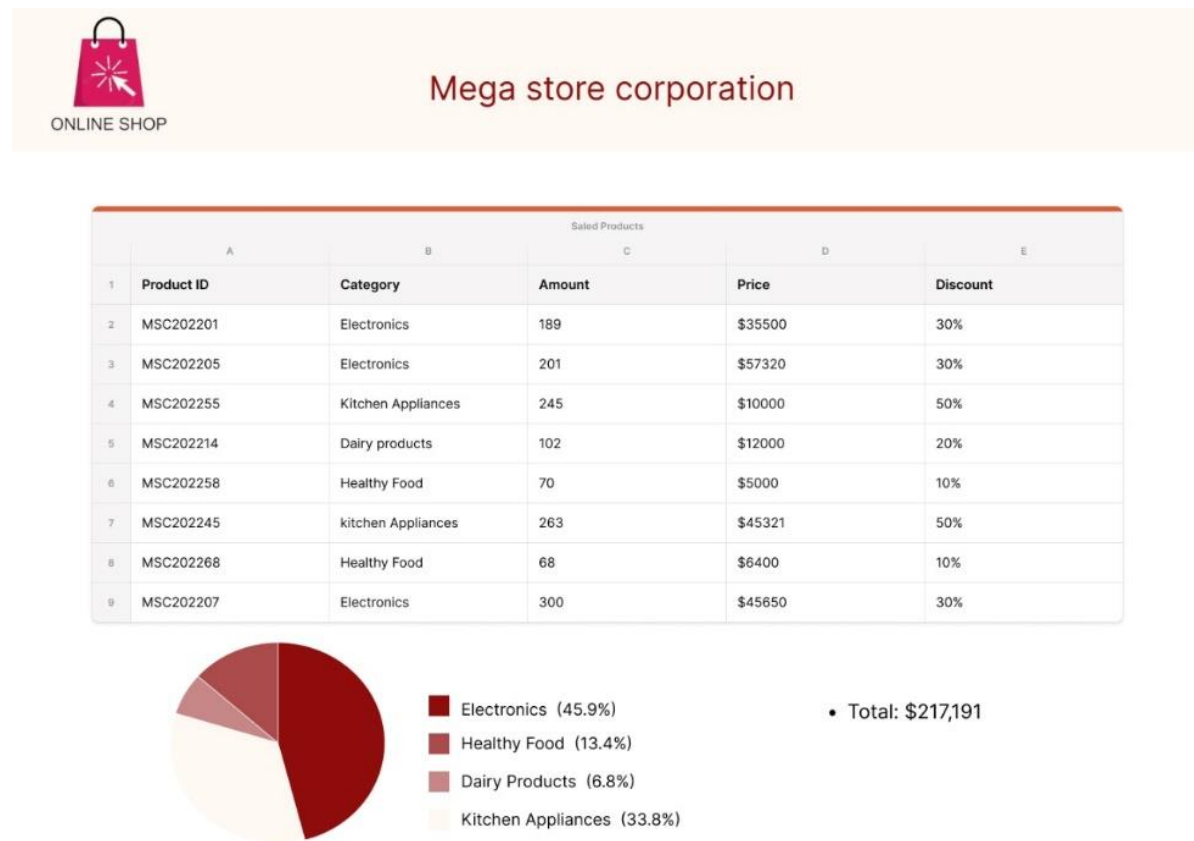
Project **13**

Cairo University
Faculty of Computers and Artificial Intelligence
IS Department

Course code: IS332
Course: Analysis and Design of Information Systems
Under supervision: Dr. Iman Helal – Dr. Dina Ezzat
Academic Year: 2022-2023

- Design One electronic external output reports of your choice.

ONLINE SHOP

Mega corporation store

Order details

Customer Name:	Ahmed Osame
Phone number:	0123456789
Address:	5st. London
Order:	TV smart screen
Order date:	12/12/2022
Order number	545124
Payment method:	Credit card
Credit card number:	xxxx-xxxx-4856
Order cost:	10000$
Store name:	London shop