Project Details

Project number	*Your project number as in sent sheet file*
Project title	*Your project title*
Corresponding TA\LA	*Your project TA*
Deliverable	*1 or 2 or 3 or 4*

Team Details

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Phase 3: DESIGN THE ENVIRONMENT and THE USER & SYSTEM INTERFACES

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-GoogleMap API:

- Response Must me Fast so user will not feel bored
- Input is location of User and output is nearest market to user
- Use **HTTPS** protocol for secure connection and data encoding
- User Must open location from his device so no wrong location will Provided

2-External Payment techniques Systems:

- Response Must me Fast so user will not feel bored
- Input is Credit Card Number of User and output is Condition of Payment
- Use https protocol for secure connection and data encoding
- User Must write all right information

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Databases:

1-Mega Store warehouse Database:

- Response Must me Fast so user will not feel bored
- Input is Query about product and output is what he asks for
- Use https protocol for secure connection and data encoding
- Must right query in right way

2-Supplier Warehouse Database

- Response Must me Fast so user will not feel bored
- Input is Query about product and suppliers and output is what he asks for Use https protocol for secure connection and data encoding
- Must right query in right way

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

Devices:

We can use:

- Scanners for barcode
- Use hand-held laser to test and take input
- Must take right barcode if no matching does nothing

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c. What user-interface technology will be used?

- User will be off-site
- User use smartphones and Computer with internet
- User devices can have android or windows Linux
- Use web Technologies as our interface design technologies

THE USER & SYSTEM INTERFACES

3.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.

"Search for product" system sequence diagram:

1- home screen as an output screen
2-search screen as an input and output screen
because the output result will be in the same screen

"Buy products" system sequence diagram:

1-my cart screen as an output screen that contain the product to buy
2-Address screen as an input screen to enter the address details
3-payment method screen as an input screen to choose payment method

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"Add product to store" system sequence diagram:
     1- add product input screen to enter product information
     2- confirmation as an output response message

"Return Product to Store" system sequence diagram
     1- return product input screen to enter product information
     2- confirmation as an output response message

all the previous has mapped to website and mobile application screens

4. **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?

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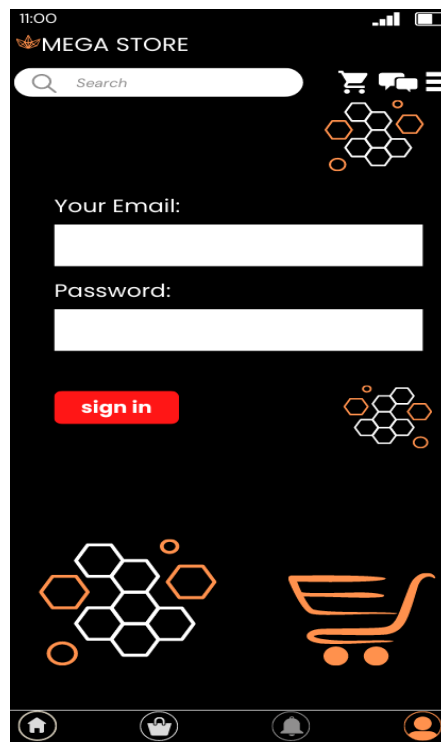**Under supervision:** Dr. Iman Helal – Dr. Dina Ezzat
Academic Year: 2022-2023
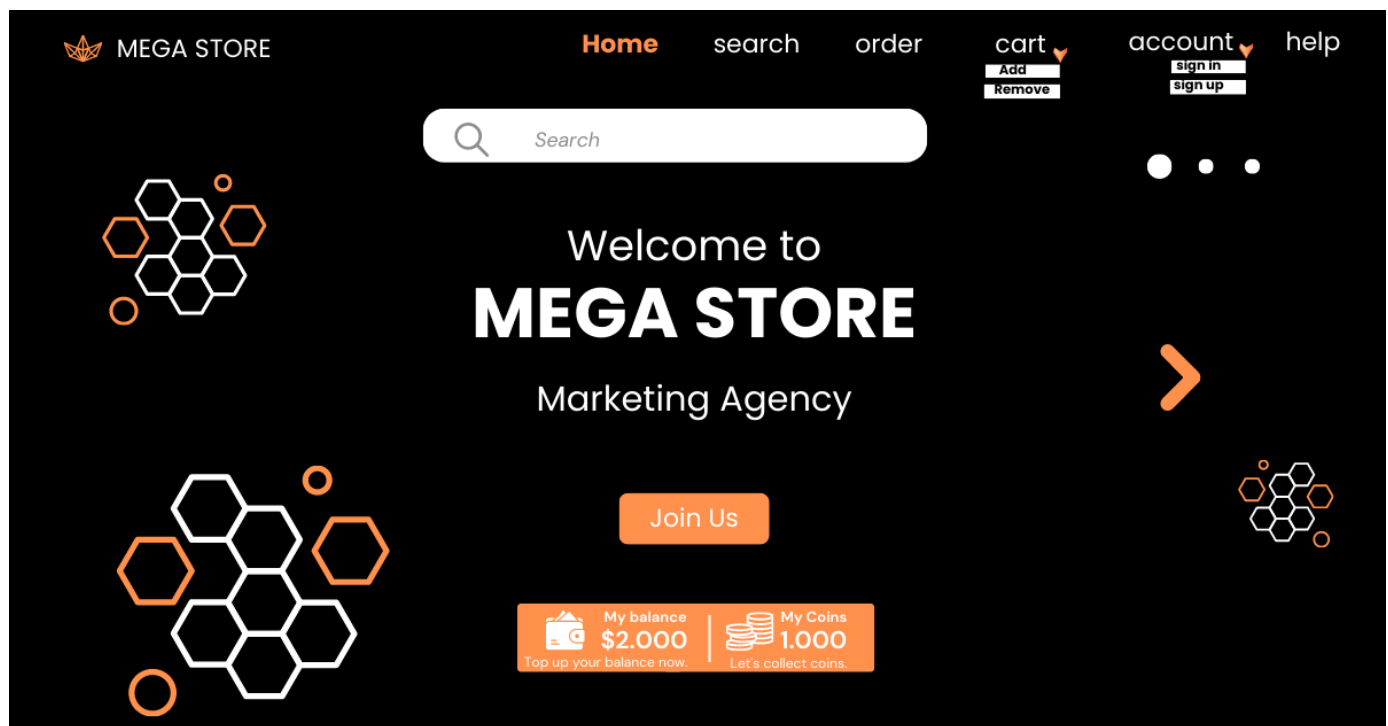
Menu (2) showing website app menu
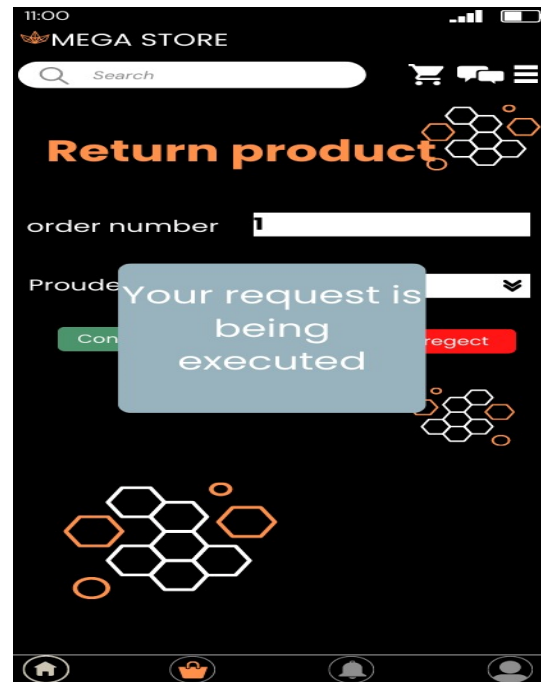
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b. For the screens and forms identified in (2.a) create a **Storyboard** that captures the sequences of event. Storyboards may be designed using **wireframe tool or any low-fidelity** paper sketches, e.g. pencil tool, power points, etc.

Fig (1) showing the mobile App. Home page

Fig (2) showing the mobile App. Sign in page

Fig (3) showing the mobile App. Searching interface

Sequence Diagram for searching for product

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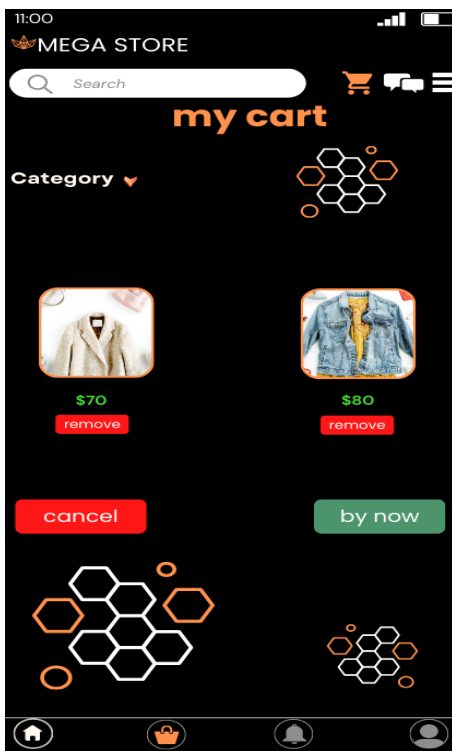***Fig (4)*** showing the mobile App. Adding to cart window

Fig (5) showing the mobile App. Confirmation window of adding product

Sequence Diagram for adding products to store

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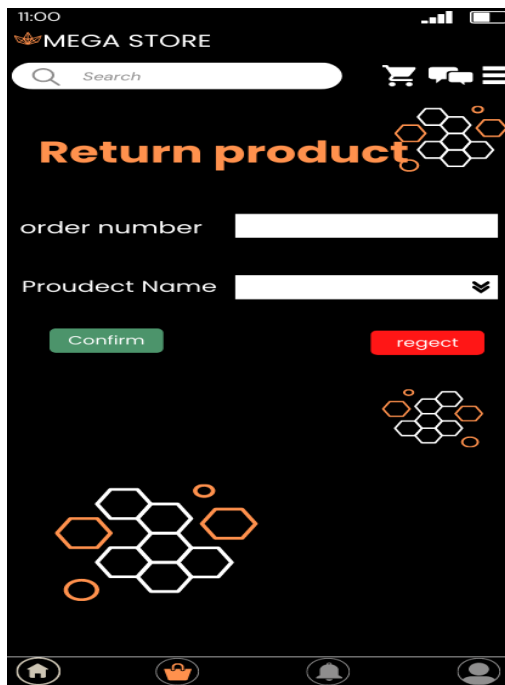
Fig (6) showing the mobile App. Return product window

Fig (6) showing the mobile App. Confirmation window for return product request

Sequence Diagram for return products

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Fig (7) showing the mobile App. Customer cart window
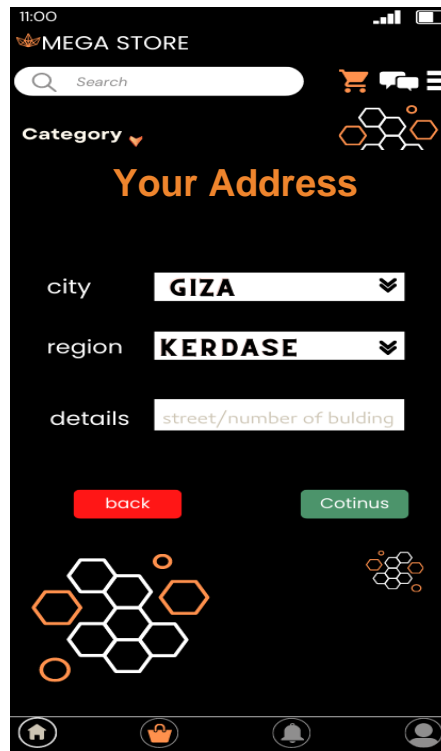
***Fig (8)*** showing the mobile App. Entering address for customers
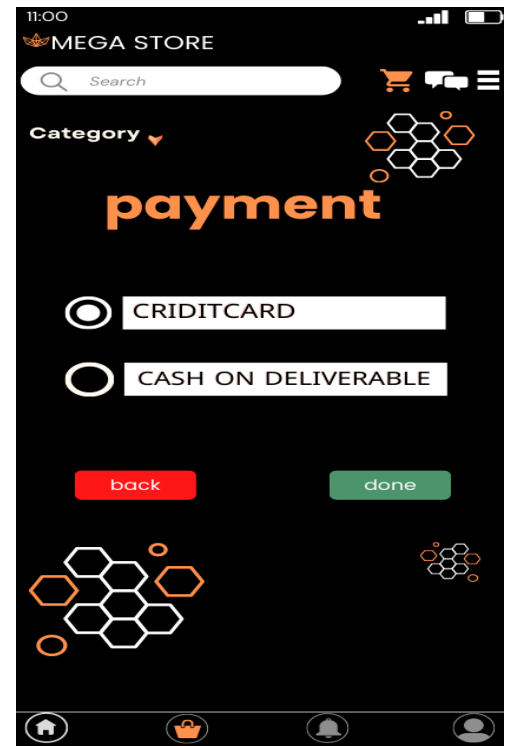
Fig (9) showing the mobile App. Payment window

Sequence diagram showing the payment of products

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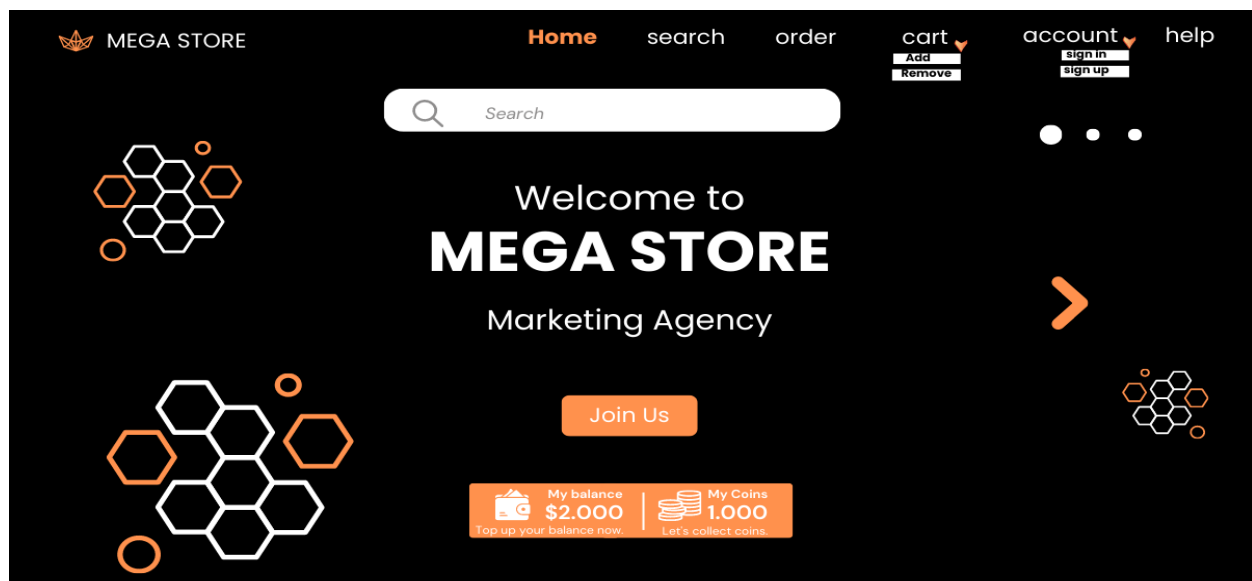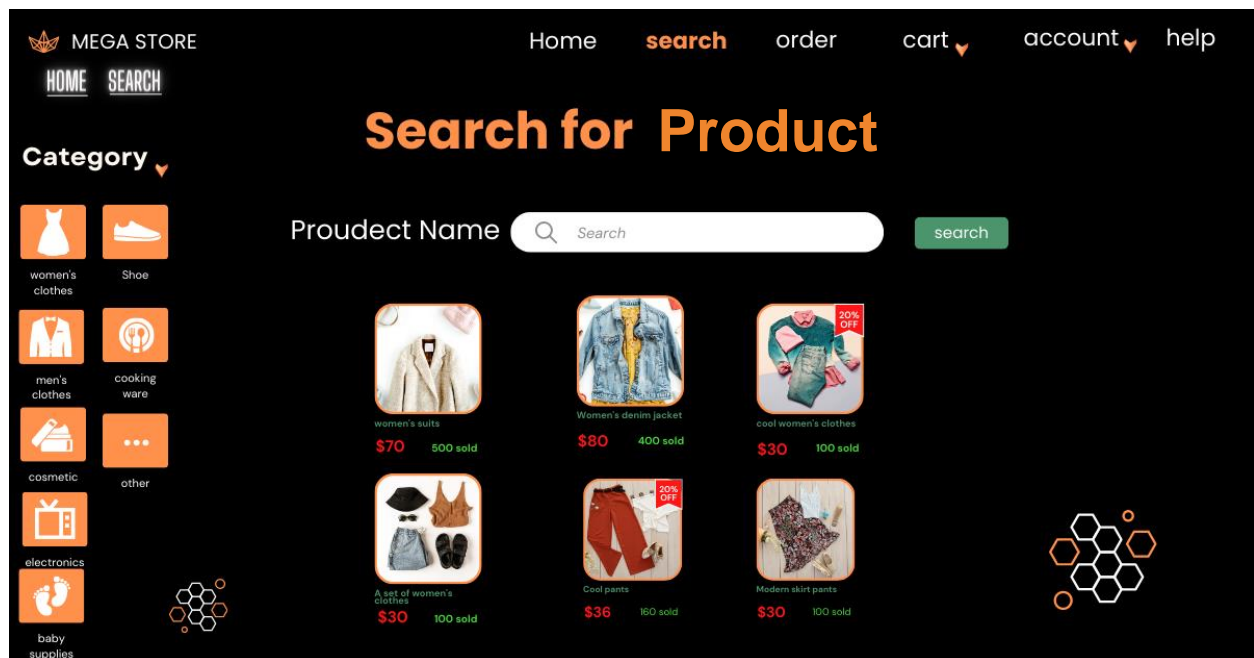
Fig (1) showing the website customer Home Page
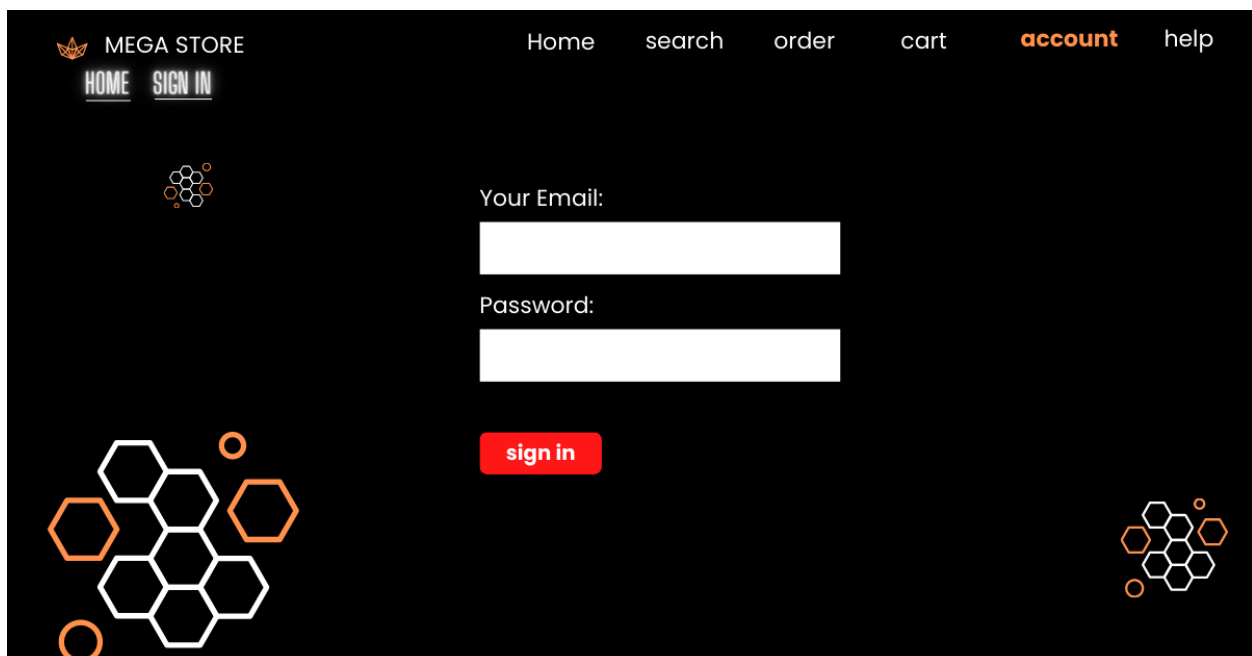
Fig (2) showing the website customer Sign in page

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Fig (3) showing the website searching for product page

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Fig (4) showing the website adding product to store page

Fig (5) showing the website adding confirmation of adding product to store

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Fig (6) showing the website return product page

Fig (7) showing the website confirmation of return product page

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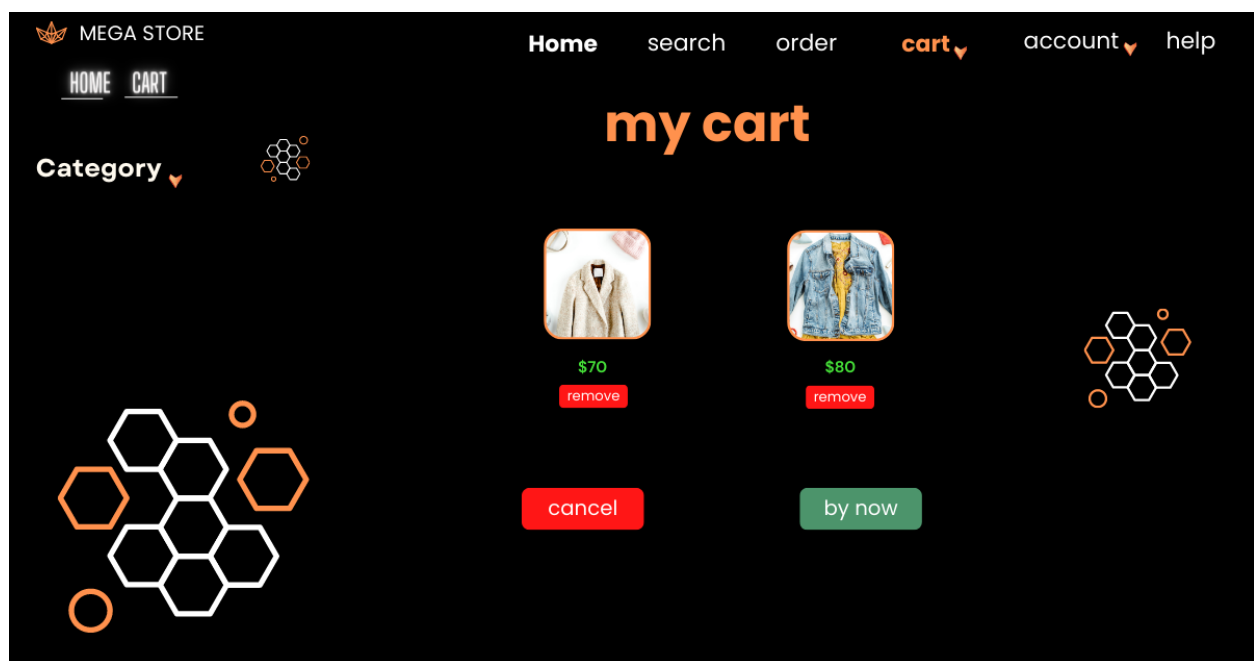**Academic Year:** 2022-2023
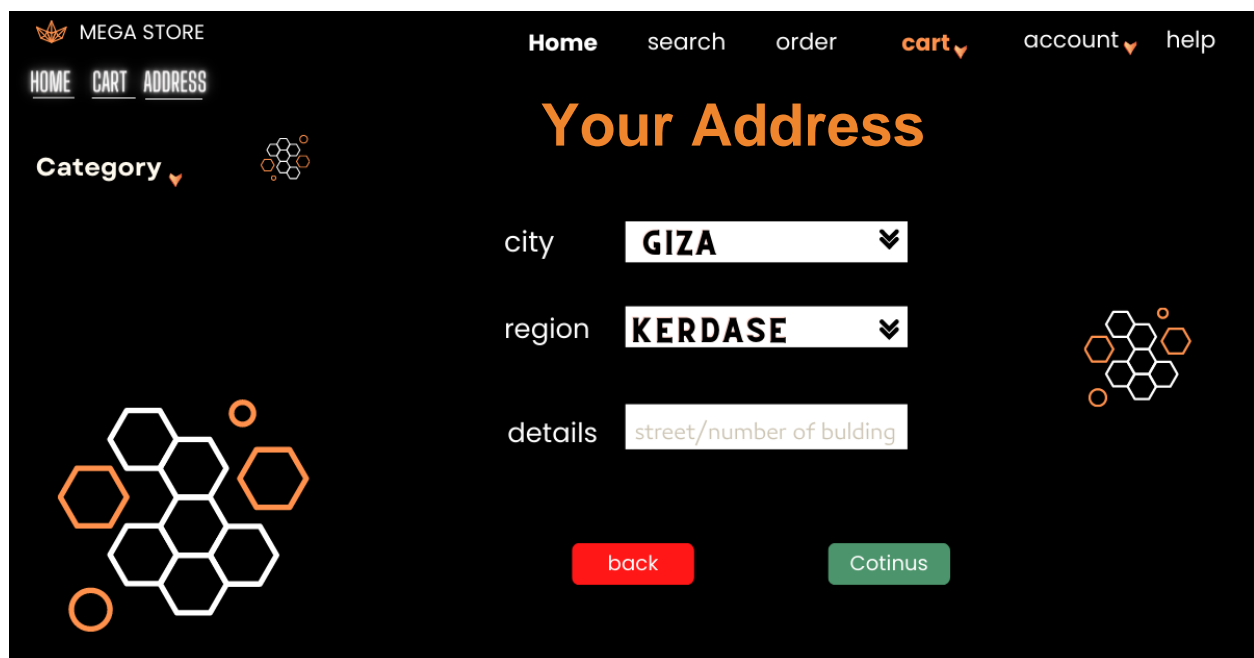
Fig (8) showing the website customer cart page

Fig (9) showing the website entering customer address page

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Fig (10) showing the website payment page for customer
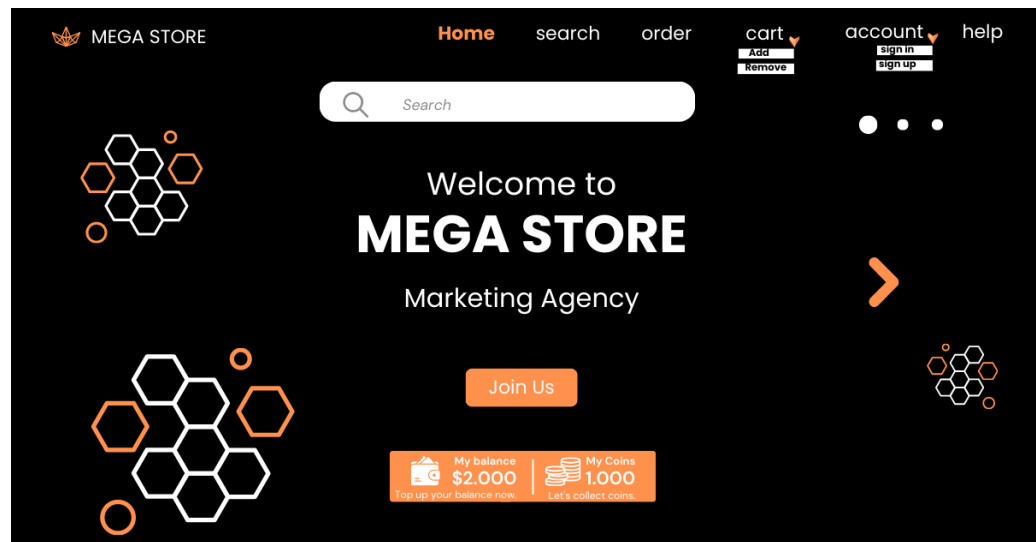
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c. **Design a web-based user interface (screen) and mobile/tablet interface for one of the screens from (2.a).**

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5. 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.
- Design One electronic external output reports of your choice.

Electronic internal report

Customer ID	Date	Payment Method	Products
Ahmed_mo202	3/12/2020	PayPal	Playstation4
Mahmoud22	5/12/2020	Fawry	Fresh Fish
Mohamed13	8/12/2020	Visa	Calculator

Electronic external report(all what user get)

Date	Payment Method	Product	Date
3/12/2020	PayPal	Playstation4	3/12/2020
5/12/2020	Fawry	Fresh fish	5/12/2020
8/12/2020	Visa	Calculator	8/12/2020

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