UMSL

Create an Online Shopping Web Application:

User Interface
- The group designs the UI. Basic requirement is it supports all the required features and is mobile responsive.

Features

- There are 6 main pages to this shopping experience
  - Home Page
    - This is your Home Page that shows off your website and encourages users to log in and buy.
  - Login Page
    - Prompt for user name and password. Show appropriate error messaging if the user name and password are incorrect.
  - Registration Page
    - If the user does not have a login yet, allow the user to register.
    - Prompt for email address (this will be the login id), password, repeat password, first name, last name, address, city, state, and zipcode.
    - All these fields are required.
  - Product Listing Page
    - Displays a listing of all products available for sale.
    - Displays a thumbnail image, product name, price, quantity, and partnumber.
    - Also allow for a user to add to cart from this page.
  - Shopping Cart Page
    - Listing of all items in the users cart.
    - Allow for changing of quantities or removal of individual products.
    - Allow the user to complete the purchase and confirm submission of order.
    - No payment is collected, we are not covering PCI compliance.
  - Order History Page
    - Once a user has completed a purchase. That purchase should show up on the Order History page. It should show the order number, order date, order total. Also have a way to view the details of that order (meaning see each item, quantity, and price breakdown).
  - Order History Detail Page
    - Listing of all items, quantities, and prices of each item in the order history that was selected.

Database

- I am leaving the exact implementation of the database to the group. However, since some students may not have taken the database course yet, I will offer some suggestions.

- USERS table
  - USERS_ID column, auto increment
  - LOGONID column, varchar(whatever size you wish)
  - PASSWORD column, varchar(whatever size you wish)
- ADDRESS table
  - ADDRESS_ID column, auto increment
  - USERS_ID column, foreign key to USERS table
  - FIRSTNAME column, varchar(whatever size you wish)
  - LASTNAME column, varchar(whatever size you wish)
  - ADDRESS column, varchar(whatever size you wish)
  - CITY column, varchar(whatever size you wish)
  - STATE column, varchar(whatever size you wish)
  - ZIPCODE column, varchar(whatever size you wish)
- ORDERS table
  - ORDERS_ID column, auto increment
  - USERS_ID column, foreign key to USERS table
  - ADDRESS_ID column, foreign key to ADDRESS table
  - TOTALPRICE column, double
  - ORDERDATE column, datetime
- PRODUCTS table
  - PRODUCTS_ID column, auto increment
  - PARTNUMBER column, varchar(whatever size you wish)
  - NAME column, varchar(whatever size you wish)
  - PRICE column, double
  - IMAGE column, varchar(whatever size you wish)
- ORDERITEMS table
  - ORDERITEMS_ID column, auto increment
  - ORDERS_ID column, foreign key to ORDERS table
  - PRODUCTS_ID column, foreign key to PRODUCTS table
  - QUANTITY column, int
  - TOTALPRICE column, double (PRICE x QUANTITY)