

Practice Exercise

This document provides a list of exercises to be practiced by learners. Please raise a feedback in Talent Next, should you have any queries.

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Document Control

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Note: Every Problem Statement starts in a new page

Problem Statement 1: Creating Navigation bar using HTML5 and CSS3.

Introduction

A client wants to develop online shopping application for customers with the goal that it is very easy to shop your loved things from an online shopping site available on the web and carry out the online shopping from their home. The client approached Mphasis to develop the front-end pages for online shopping application using HTML5 and CSS.

The Mphasis UI developer started developing the website beginning with the Navigation Bar.

Create an **Navbar.html** as per below image which has links to other below pages using HTML5 & CSS3.

- CustomerDetails.html –Display the list of customers.
- OrderDetails.html – Display the orders of all customers.
- About.html – Render details of the E-Shopper.
- Login.html – Display the login page that accepts credentials.
- The Above pages must be loaded when specific link is clicked.
- Use CSS3 to apply background color for navbar & font style, margin to the links on the navbar.

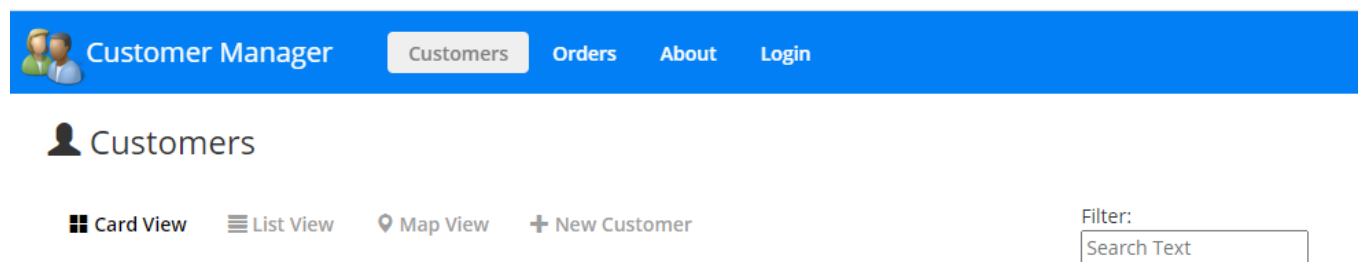


Problem Statement 2: Creating Customer Menu bar using Anchor Tags, Images, Search Field.

Create a **CustomerDetails.html** with anchor tags and images as per below image.

- Card View: Display the Customer details in card format.
- List View: Display the Customer details in list format.
- Map View: View the directions in Google Maps.
- New Customer: Display the form to add the customer.
- Search Bar: Text Field to display the customer by text entered in the filter.
- Use CSS3 to apply font style, margin to the links on the Customer menu.
- Use CSS3 to apply width & height for Icons on Customer menu.

CustomerDetails.html:

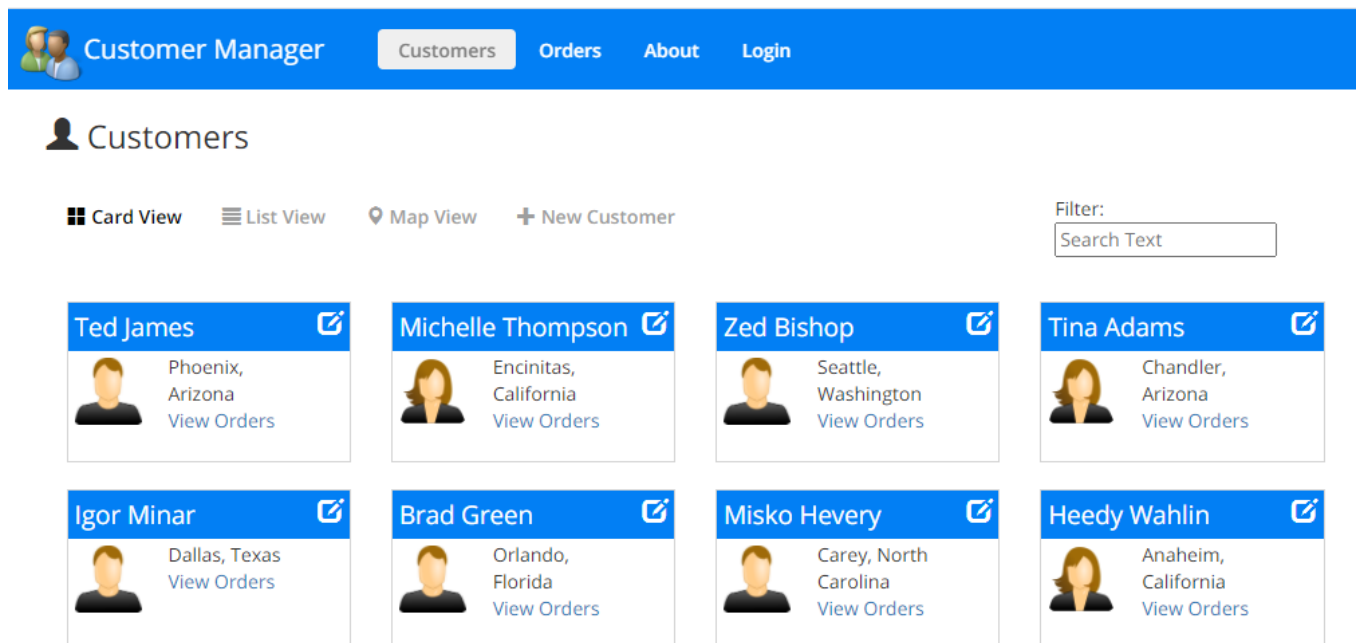


Problem Statement 3: Designing the Card Layout for Customer Details.

Create a **CustomerDetailsCardLayout.html** as per below image to display below customer details in card format.

- Customer Name (with edit Icon to edit the customer details using form)
- Customer City
- Customer State
- Customer Gender (Male/Female icons should be displayed based on gender value)
- View Orders (Link to be created for showing the orders of the specific customer)
- Use CSS3 to set the width & height of Edit, Male/Female Icon.
- Use CSS3 to set the color & background color for element holding Customer Name & Edit icon.
- Use CSS3 to set the border & margin for container tag holding Customer Details.

CustomerDetailsCardLayout.html:




Problem Statement 4: Designing the List Layout for Customer Details.


Create a **CustomerDetailsListLayout.html** as per below image to display below customer details in list format.

- First Name (Link to be created for showing the details of customer)
- Last Name
- Address
- City
- State
- Order Total in USD
- Customer Gender (Male/Female icons should be displayed based on gender value)
- View Orders (Link to be created for showing the orders of the specific customer)
- Use CSS3 to set width, height & margin to Male/Female icon & Customer icon.
- Use CSS3 to apply different properties (cell spacing, cellpadding) to table.

CustomerDetailsListLayout.html:




 Customer Manager

CustomersOrdersAboutLogin

 Customers

Card ViewList ViewMap View+ New Customer

Filter:
Search Text

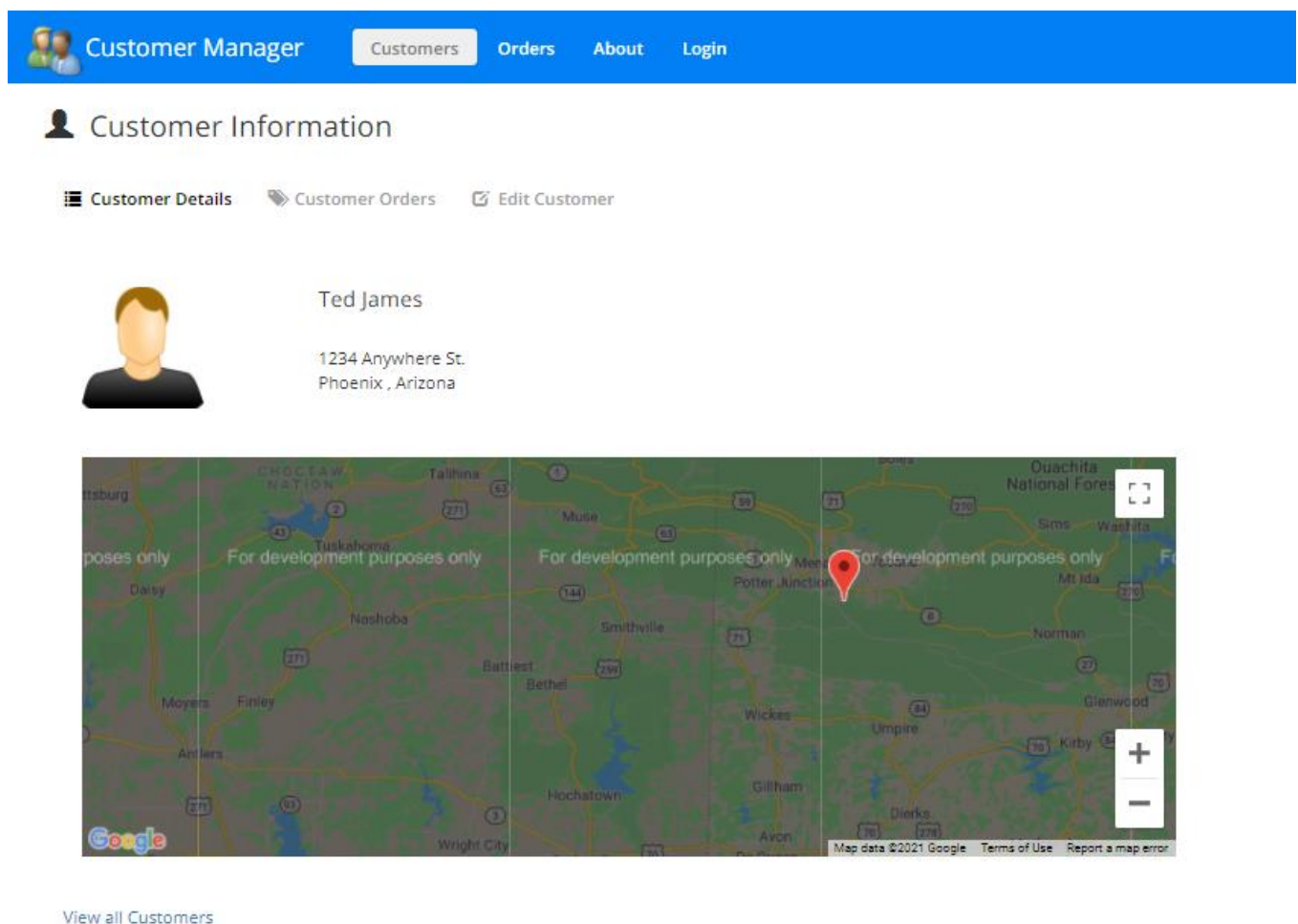
	First Name	Last Name	Address	City	State	Order Total	
	Ted	James	1234 Anywhere St.	Phoenix	Arizona	\$207.98	View Orders
	Michelle	Thompson	345 Cedar Point Ave.	Encinitas	California	\$8.98	View Orders
	Zed	Bishop	1822 Long Bay Dr.	Seattle	Washington	\$229.97	View Orders

Problem Statement 5: Designing Customer Details Page using Container & Map Tags.

Create a **GetCustomerDetails.html** as per below image to show the below customer information using container tags.

- Male/Female Icon should be displayed based on gender value.
- Name
- Address
- State
- City
- Customer Orders (Link to see the orders of specific customer)
- Edit Customer (Link with edit icon to edit the customer using form)
- View all Customers (Link to show all the customers in card format)
- Use CSS3 to set width, height, and margin for Male/Female icon & font style for Customer Name.

GetCustomerDetails.html:





Problem Statement 6: Designing Customer Orders Details Page using Table.




Create a **GetCustomerOrdersDetails.html** as per below image to show the orders specific to a customer.

- Product Name
- Product Price
- Order Price
- Edit Customer (Link with edit icon to edit the customer using form)
- View all Customers (Link to show all the customers in card format)
- Use CSS3 to set width, height, and margin for Customer icon & font style for “Orders for Ted James”.

GetCustomerOrdersDetails.html:

 **Customer Manager** Customers Orders About Login

 **Customer Information**

 Customer Details  **Customer Orders**  Edit Customer

Orders for Ted James

Basketball	\$7.99
Shoes	\$199.99
	<hr/>
	\$207.98


[View all Customers](#)


Problem Statement 7: Designing Form to Update the Customer details using HTML5 Form Fields.


Create **EditCustomerDetails.html** to update or delete the customer as per below image.


- Use CSS3 to apply colors to Update & Delete button.
- Use CSS3 to apply color(green) for Text Fields when field value is entered.
- Use CSS3 to apply color(red) for Text Fields when field value is empty.

EditCustomerDetails.html:

 **Customer Information**

 Customer Details

 Customer Orders

 Edit Customer

First Name

ted

Last Name

james

Email

james

Mobile

james


☒ Subscribe to get notification from EShopper?

Gender:

Male

DOB

03/19/2021



Favourite Color

Address

A4-502 ,Sneha Vihar

City

Georgia

State

Hawaii

HTML5 & CSS3 – S1 - Practice Exercise

Country

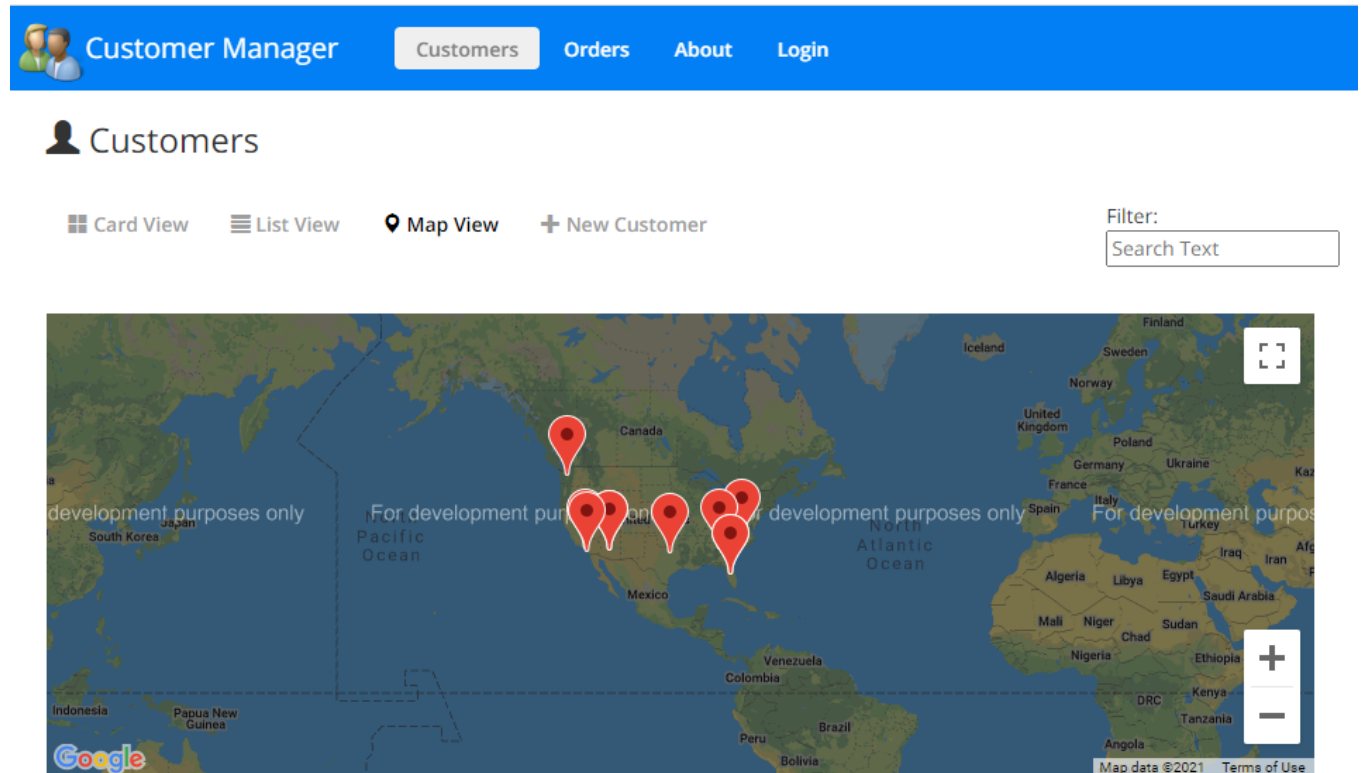
The following 3 buttons will have the actions:

- **Cancel:**
Reset button: To reset the form data.
- **Update:**
Submit button: To update the customer.
- **Delete:**
Submit button: To delete the customer.

Problem Statement 8: Displaying Google Map using HTML5 Map Tag.

Create a **CustomerDetailsMapView.html** as per below image to get the directions in google map.


CustomerDetailsMapView.html:




Problem Statement 9: Designing Form to Add Customer Details using HTML5 Forms Fields.


Create **NewCustomerDetails.html** to accept below customer details & Implement Client-Side validations using HTML5 form features.


- **First Name:**
Text Field: It is required
- **Last Name:**
Text Field: It is required
- **Email:**
Text Field: It is required & should be a valid email address.
- **Mobile:**
Text Field: It is required & should be valid mobile (10 digits only)
- **Subscription:**
Checkbox: By default, checked.
- **Gender:**
Data List: It is required: Value must be (Male | Female | Other)
- **Date of birth:**
Date Picker: It is required & should accept in format (mm/dd/YYYY)
- **Favorite color:**
Color Picker: It is required
- **Address:**
Text Area: It is required
- **City:**
Drop down: It is required.
- **State:**
Drop down: It is required.
- **Country:**
Drop down: It is required.
- **Cancel:**
Reset button: To reset the form data.
- **Insert:**
Submit button: To add the customer.


 Customer Manager


CustomersOrdersAboutLogin

 Customers

 Card View

 List View

 Map View

 New Customer


Filter:

Once you click on **New Customer link** it will display the form to add the customer details as below:


- Use CSS3 to apply color(green) for Text Fields when field value is entered.
- Use CSS3 to apply color(red) for Text Fields when field value is empty.

NewCustomerDetails.html:

Customer Information

 Customer Details

 Customer Orders

 Edit Customer

First Name

Last Name

Email

Mobile

☒ Subscribe to get notification from EShopper?

DOB



Favourite Color



Address

City



State



Country



Cancel


Insert

Problem Statement 10: Designing Order Details Page using HTML5 Table & List.

Create **OrderDetails.html** to show the orders details of all customers using Table & Ordered Lists tags as per below image.

- Customer Name
- Product Name
- Product Price
- Order Price
- Use CSS3 to set margin of Orders Icon & font style, font size for Customer Name.

OrderDetails.html:


Customer Manager

Customers

Orders

About

Login

Orders

Ted James

Basketball

\$7.99

Shoes

\$199.99

\$207.98

Michelle Thompson

Frisbee

\$2.99

Hat

\$5.99

\$8.98

Zed Bishop

Boomerang

\$29.99

Helmet

\$19.99

Kangaroo Saddle

\$179.99

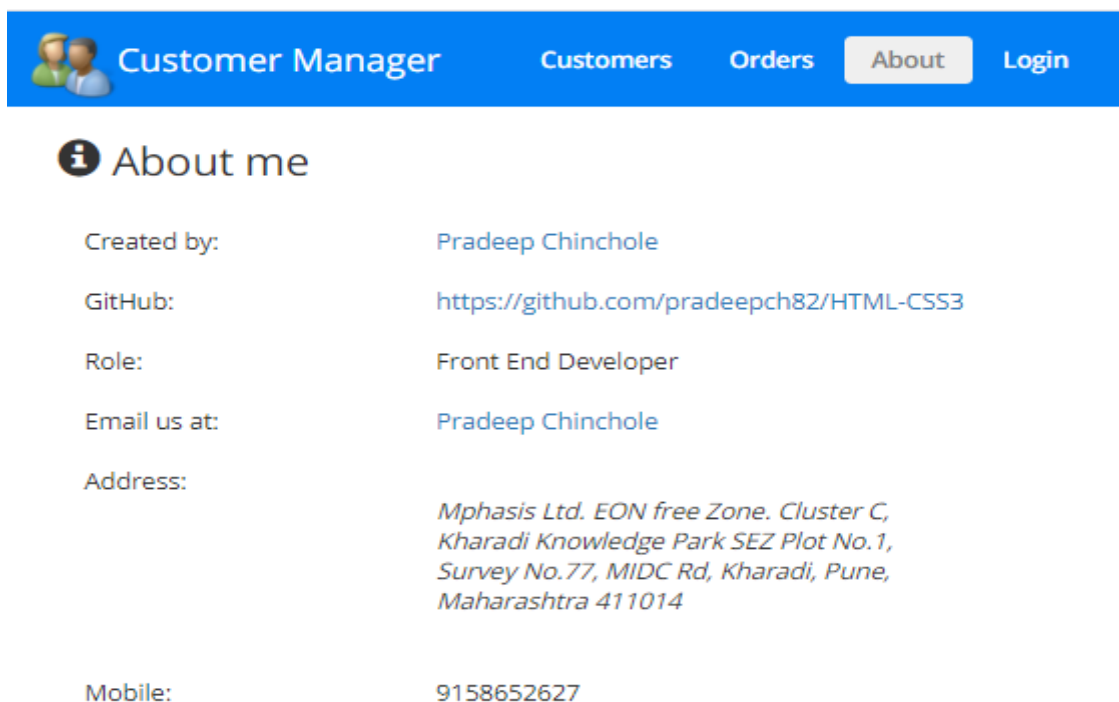
\$229.97

Problem Statement 11: Designing About Page using Container & Address Tags.

Create **About.html** to show the below details as per below image.

- Your Name (Link to tweeter)
- Git hub (Link to GitHub repository)
- Role
- Email
- Address
- Contact Details
- Use CSS3 to apply the italic style for Address & Margin for About Icon.

About.html:




Problem Statement 12: Designing the User Login Page.


Create a **Login.html** to accept the email and password.

Implement Client-Side validations using HTML5 features:

- Textboxes cannot be empty.
- Password min length – 6 Characters.
- Password min length – 10 Characters.
- Password should be a combination of letters, number and 1 special character.
- Submit button should be disabled till the validation is passed.
- Use CSS3 to set color for Login Button & color (brown) for required Email & Password Field.
- Use CSS3 to set the margin for Login Icon.

Login.html:

 **Customer Manager** [Customers](#) [Orders](#) [About](#) [Login](#)

 **Login**

Email:

Password:

Login

Problem Statement 13: Designing the List Layout for Product details.


After used logged in successfully will render the Product Details page:

- Products Menu: Link to display list of products (**ProductDetails.html**)
- Cart Menu: Link to display items added in the cart (**ShoppingCart.html**)

The **ProductDetails.html** will have the following details:

- Product Name
- Product Price
- Add to Cart Button - To add the product to the cart.
- View Details Button – Link To see specific Product details (**ViewProductDetails.html**)
- Use CSS3 to apply color for Add to Cart & View Details button

ProductDetails.html

 **Customer Manager** Customers Orders **Products** Cart About Logout

All Products


Basketball Price :\$7.99 Add to Cart View Details	Shoes Price :\$199.99 Add to Cart View Details	Hat Price :\$5.99 Add to Cart View Details
Boomerang Price :\$29.99 Add to Cart View Details	Helmet Price :\$19.99 Add to Cart View Details	Kangaroo Saddle Price :\$179.99 Add to Cart View Details
Swimming Cap Price :\$5.49	Bow Price :\$399.99	Arrows Price :\$69.99

Problem Statement 14: Designing Product Details page using HTML5 Table.


Create **ViewProductDetails.html** to show below Product details after clicking View Details button as per below image.

- Product Id
- Product Name
- Product Price
- Add to Cart Button - To add the product to the cart.
- Use CSS3 to set width, height & margin to the image & color to ADD to Cart Button
- Use CSS3 to set brown color to Product Price.

ViewProductDetails.html

 **Customer Manager** [Customers](#) [Orders](#) [Products](#) [Cart](#) [About](#) [Logout](#)

Spalding NBA MVP Basketball



Price:	\$7.99 Inclusive of all taxes + Free Delivery
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Product Description :	<ul style="list-style-type: none">• Size 7• Outer material: Rubber• Great for passing• Improved durability• Material: Rubber• Indoor/outdoor Suitable for all types of playing surfaces
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Add to Cart

Problem Statement 15: Designing Shopping cart and Checkout Page.

Create **ShoppingCart.html** to show below Item details added to the cart as per below image.

- Product Name
- Product Quantity
- Product Price
- Total Price
- REMOVE FROM CART Button: To remove the products from cart.
- PROCEED TO CHECKOUT Button: To Place the order
- Use CSS3 to apply the colors to REMOVE FROM CART & PROCEED TO CHECKOUT

ShoppingCart.html



Customer Manager

Customers

Orders

Products

Cart

About

Logout

Items In the Cart

Product Name	Product Quantity	Unit Price	Sub Total	Remove Product
Basketball	3	\$7.99	\$23.97	REMOVE FROM CART
Shoes	1	\$199.99	\$199.99	REMOVE FROM CART
Hat	2	\$5.99	\$11.98	REMOVE FROM CART
Baseball	1	\$9.99	\$9.99	REMOVE FROM CART
			Total : \$245.93	
				PROCEED TO CHECKOUT

Create **Checkout.html** to show “Thank you! Your Order Placed Successfully” message as per below image.

- Use CSS3 to apply font style & color to the message.

Checkout.html:

Customer Manager					
Customers Orders Products Cart About Logout					
Thank You !					
Your Order Placed Successfully!					