

Front-End Essentials

Exam

Document Code	25e-BM/HR/HDCV/FSOFT	
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Issue/Revision: x/y

RECORD OF CHANGES

No	Effective Date	Change Description	Reason	Reviewer	Approver
1	25/Jun/2018	Create a new Exam	Create new	DuongTQ	VinhNV

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Ca	nte	nts

Problem: Checkout Cart Application4





CODE: FEE.Exams.Opt2
TYPE: Long
LOC: N/A
DURATION: 150 MINUTES

Working tools and delivery requirements

- · Working tools: Visual Studio Code
- **Delivery**: Source code in a compressed archive (zip extension is a must).

Technologies

The product illustrates:

- Front-end Essentials
- Practice to use JavaScript to calculate value

Technical Requirements

- Follow the standard naming and coding convention.
- Add appropriate comments for each class, method, attribute, algorithms, ...
- Create Project named <YOUR ACCOUNT>_fee.exams.opt2 and put every file inside

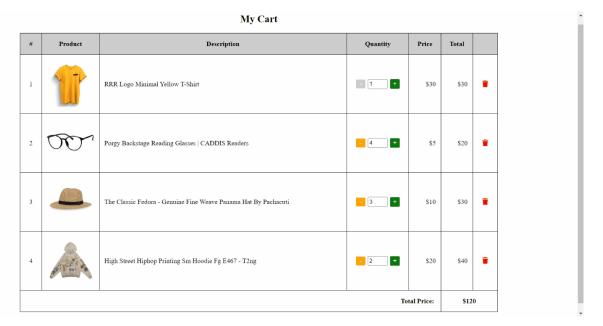
Example if your account is AnhNV then you must create a project called: AnhNV_fee.exams.opt2

Problem: Checkout Cart Application

Given an array of products:

```
var products = [
  {
    img: "./assets/t-shirt.png",
    description: "RRR Logo Minimal Yellow T-Shirt",
    quantity: 1,
    price: 30,
    id: 1,
    img: "./assets/glasses.png",
    description: "Porgy Backstage Reading Glasses | CADDIS Readers",
    quantity: 4,
    price: 5,
    id: 2,
  },
    img: "./assets/hat.png",
    description:
      "The Classic Fedora - Genuine Fine Weave Panama Hat By Pachacuti",
    quantity: 3,
    price: 10,
    id: 3,
    img: "./assets/hoodie.png",
    description: "High Street Hiphop Printing Sm Hoodie Fg E467 - T2ng",
    quantity: 2,
    price: 20,
    id: 4,
  },
];
```

Your task is to build a Checkout Cart Application that looks like below (correct spacing and icons are not required)



Specification:

- 1. Must use plain HTML, CSS and JavaScript without utilizing any frameworks or libraries. However, you are allowed to use icons and fonts.
- 2. The application should correctly render the following information from the provided array: Product Order Number, Image, Description, Quantity, Price, Total, and Total Price using the below formula:

```
Total = Quantity * Price

Total Price = Sum of all Total Values
```

- 3. Users should be able to change the quantity of a product by clicking the "-" or "+" button. When the quantity is 1, the "-" button should be disabled to prevent invalid quantity values.
- 4. Users should also be able to change the quantity of a product by manually entering a value in the quantity input box. The Product Total and Total Price should be updated when the user presses the "Enter" key or when they blur (unfocus) the input box.
 - Preventing invalid values (such as zero, negative, or non-numeric) in the quantity input box is a bonus.
- 5. User can Delete a Product by clicking the "Trash" icon. Make sure to properly render the order number of each product after a deletion.