Mini Project 1

create a basic online shopping cart program that allows users to add items,

view their cart, remove items, and calculate the total price.

On the basis of selection if user select 1 then it will Display Available Items

user add 2 then it will Add Item to Cart

user add 3 then it will View Cart

user add 4 then it will Remove Item from Cart

user add 5 then it will Check out

user add 6 then it will Exit

The project will involve working with lists, dictionaries, for loops, and conditional statements

```python
"""create a basic online shopping cart program that
allows users to add items,
view their cart, remove items, and calculate the
total price.
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will Display Available Items
user add 2 then it will Add Item to Cart
user add 3 then it will View Cart
user add 4 then it will Remove Item from Cart
user add 5 then it will Check out
user add 6 then it will Exit
The project will involve working with lists,
dictionaries, for loops, and conditional
statements."""


# Tasks Break Down
# 1. Input from user on the basis of options
# 2 . Display Items
# 3. Add items to the cart
# 4. Remove items
# 5. Calculate price
```

```python
items = [
    {'name': 'Shirt', 'price': 20},
    {'name': 'Pants', 'price': 30},
    {'name': 'Shoes', 'price': 50},
    {'name': 'Hat', 'price': 10}
]
cart = []
condition = True
while condition:
    print("\n -- Online Shopping Cart Menu --")
    print("1. Display Available Items")
    print("2. Add Item to Cart")
    print("3. View Cart")
    print("4. Remove Item from Cart")
    print("5. Checkout")
    print("6. Exit")

    choice = input("Enter your choice (1-6): ")

    if choice == '1':
        print("\nDisplay Available Items")
        for item in items:
            print(f"Item Name: {item['name']} -
${item['price']}")

    elif choice == '2':
        print("Add Item to Cart")
        for item in items:
            print(f"Item Name: {item['name']} -
${item['price']}")
        item_name = input(" Enter the name of the
item you want to add to the cart: ")
        print(item_name)
        # flag
        found = False
        for item in items:
            if item['name'] == item_name:
```

```python
                    found = True
                    cart.append(item)
                    print(f"{item_name} found in the
available items")
                    break
            if not found:
                print(f"{item_name} not found in the
available items. Please try again")

        elif choice == '3':
            print("View Cart")
            if not cart:
                print("\n Your cart is empty")
            else:
                print("\n Your Cart")
            total_price = 0
            for item in cart:
                print(f"{item['name']} -
${item['price']}")
                total_price += item['price']
            print(f"Total Price : ${total_price}")
        elif choice == '4':
            print("Remove Item from  Cart")
            if not cart:
                print("\n Your cart is empty")
            else:
                print("Remove Item from Cart")
                for item in cart:
                    print(f"{item['name']} -
${item['price']}")
                item_name = input(" Enter the name of
the item you want to remove/delete to the cart: ")
                found = False
                for item in cart:
                    if item['name'] == item_name:
                        cart.remove(item)
                        print(f"{item_name} removed
from the cart")
```

```python
                    found = True
                    break
            if not found:
                print(f"{item_name} not found in
your cart. Please try again.")
    elif choice == '5':
        print("Checkout")
        if cart:
            print('Your final cart: ')
            total_price = 0
            for item in cart:
                print(f"{item['name']} -
${item['price']}")
                total_price += item['price']
            print(f"Total price : {total_price}")
    elif choice == '6':
        print("\n Exit Online shopping Cart")
        break
    else:
        print("Invalid choice. Please select
again")
```