Pseudocode

```
function quantityDiscount(quantity, price)
        if quantity > 0 and quantity < 10
                discount = 0
        else if quantity > 9 and quantity < 20
                discount = 0.1 * quantity * price
        else if quantity > 19 and quantity < 30
                discount = 0.2 * quantity * price
        else if quantity > 29 and quantity < 40
                discount = 0.3 * quantity * price
        else
                discount = 0.4 * quantity * price
        return discount

function calcOrderTotal()
        if validateFirstName() is true and validateLastName() is true and validatePhone() is true
        and  validateQuantity() is true

                TAXRATE = 0.085
                unitPrice = 4.95
                get firstName from form
                get lastName from form
                get phoneNumber from form
                get widgetQuantity from form

                subTotal = unitPrice * widgetQuantity
                discount = quantityDiscount(widgetQuantity, unitPrice)
                discountedPrice = subTotal - discount
                salesTax = discountedPrice * TAXRATE
                orderTotal = discountedPrice + salesTax

                display firstName, lastName, and phoneNumber.
                display widgetQuantity
                display subTotal with 2 decimal places
                display discount with 2 decimal places
                display salesTax with 2 decimal places
                display orderTotal with 2 decimal places
        else
                alert user that one or more user inputs do not meet proper criteria

function validateFirstName()
        get firstName from form
        noSpace = firstName.replace(/\s/g,"")
        regexTest = /^[a-zA-Z]{2,15}$/.test(noSpace)
        if regexTest is true
                no prompt
                return true
        else
                prompt that first name must be from 2 to 15 alphabetic characters
                return false

function validateLastName()
        get lastName from form
        noSpace = lastName.replace(/\s/g,"")
        regexTest = /^[a-zA-Z]{2,25}$/.test(noSpace)
        if regexTest is true
                no prompt
```

return true
        else
                        prompt that last name must be from 2 to 25 alphabetic characters
                        return false

function validatePhone()
        get phoneNumber from form
        regexTest = /^\(\d{3}\)\s\d{3}-\d{4}$/.test(phoneNumber)
        if regexTest is true
                        no prompt
                        return true
        else
                        prompt that phone number must be in (xxx) xxx-xxxx format
                        return false

function validateQuantity()
        get widgetQuantity from form
        regexTest = /^\d{1,2}$/.test(widgetQuantity)
        if regexTest is true and widgetQuantity > 0 and widgetQuantity < 100
                        no prompt
                        return true
        else
                        prompt that order quantity must be from 1 to 99
                        return false

Pass onclick event function to window.onload function
        Trigger calcOrderTotal() with onclick event