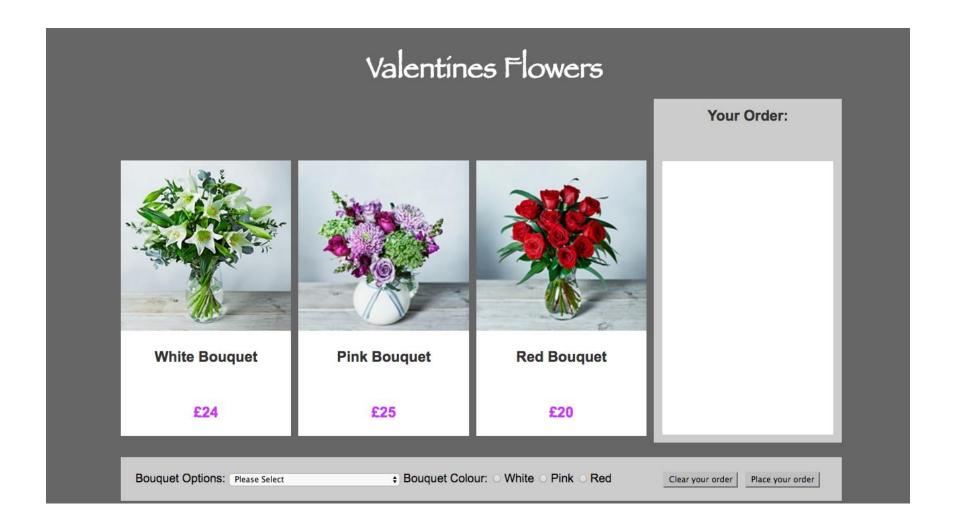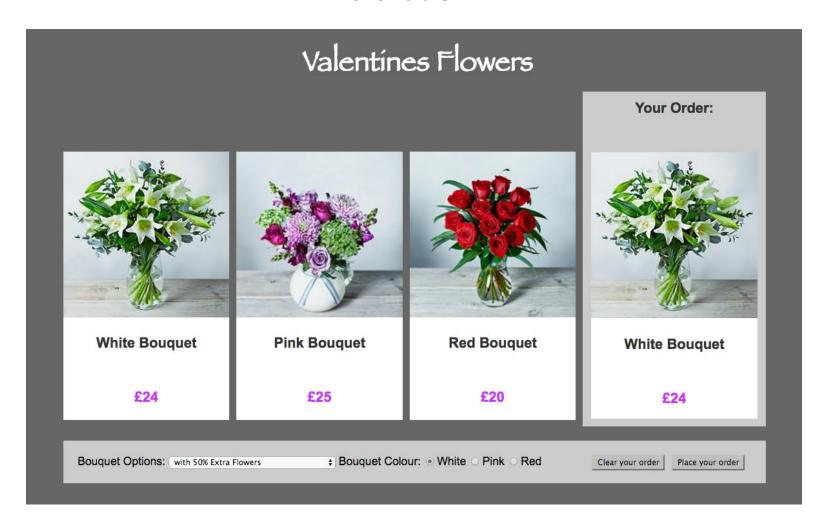# 4COSC011C - Web Design & Development

Tutorial 11–Flower Ordering web Page – Part II

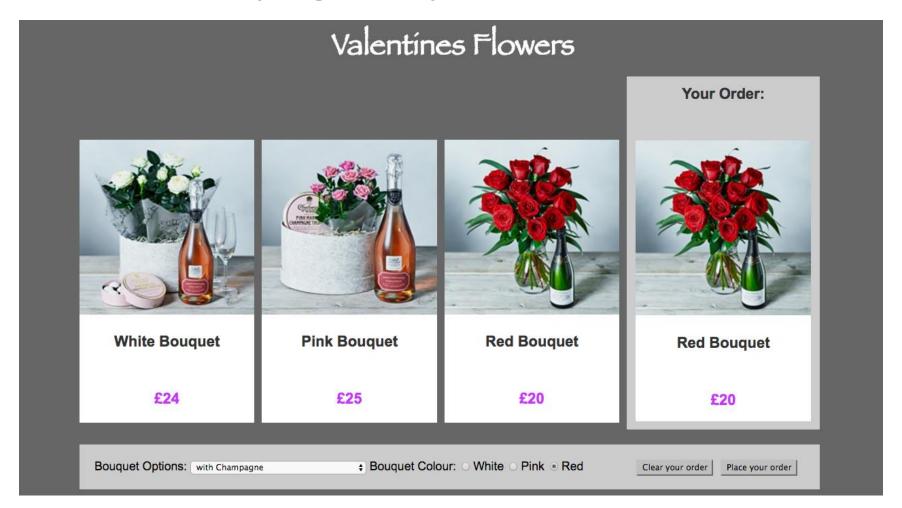# Valentines Flowers Web Site

Select your bouquet using the radio button

The images change if any of the Champagne options is chosen

Using Event Listeners

- We are going to replace onReset and onChange Events(included in part I) using eventListeners.

Replace onReset Event

- In part 01, resetOrder method is called in onReset event of the form as follows
  - `<form name="order" id="order" onReset="resetOrder();">`
- Now we will replace *onReset* by adding an event Listener to Reset event.
- Remove onReset attribute from the form
  - `<form name="order" id="order">`

Replace onReset Event

- Add following event Listener at the end of your javascript

- document.forms[0].addEventListener("**reset**",resetOrder);

- Note that you call the same function (resetOrder)but no brackets will be used inside event listener.

Replace onChange event for radio buttons

- In part 01 we have called **displayBouquet** method during onChange event of each radio button.

- Now lets replace onChange with click event assuming above method will execute once user click on the radio button.

- Again we are using an eventListener for click event of each radio button

Replace onChange event for radio buttons

- Remove onchange attributes of 3 radio buttons

- Include ids for 3 radio buttons as same name like value

    - *input type="radio" name="colour" value="white"
      id "white">*

Replace onChange event for radio buttons

- Add following event Listener at the end of javascript code.
- Addressing radio button with value white

  Document.getElementById("white").addeventListener(" click",function()

  {

  displayBouquet(this.value)

  });
- **Add two eventListeners two remaining radio buttons in similar way as above.**

Replace onChange event of drop down list

- Remove onChange event attribute of the dropDown list and add an eventListener in similar fashion as in previous example.

  document.getElementById("bouquetOptions").addEventListener("change",function()

  {

      checkOptions(this.form)

  });

Add eventListeners to click event of 3 images

- Now we will add event listeners to each image where when user clicks on a certain image,that option is getting selected.

- At the same time corresponding radio buttons should be changed accordingly during each click event.

Add eventListeners to click event of 3 images

Document.getElementById("product1").addEventListener("click",fucntion(){

   displayBouquet("white"); //Load correct image

   Document.getElementById("white").checked=true; // check the corresponding radio button

});

Repoeat above eventListener to remaining images as well.

Address remaining drop down options

- In drop down list, we have included an option "*50% extra flowers*" where we need to modify the prices of the selection once user selects this option.

- Make sure you have an id provided for the <div> tag related with price for all 3 images
  - Ex Rs <div **id="redPrice"** class="price">25</div>

- We will modify checkOptions() method by adding following code

Address remaining drop down options

```
Var totalPrice=0;

Function checkOptions()
{
        Var prices=[24,25,50]; //default prices of boquets

        //if user selects 50% options from dropdown, update the prices
         if((selectedOption=="extra") || (selectedOption=="extraWithChampagne" ))
                {

                document.getElementById("whitePrice").innerHTML=prices[0]*1.5;

                document.getElementById("pinkPrice").innerHTML=prices[1]*1.5;

                document.getElementById("redPrice").innerHTML=prices[2]*1.5;
                }
}
```

Calculate and display final price

- You have to create a global variable in the beginning of the script to store total price

- **var totalPrices=0;**

- We will update the value of this variable in each case in displayBoquet function.

```javascript
function displayBouquet(bouquet)
{
        switch(bouquet)
        {
                case "white":

        document.getElementById("order").innerHTML=document.getElementById("product1").innerHTML;
          totalPrices=document.getElementById("whitePrice").innerHTML;
                        break;
                case "pink":

        document.getElementById("order").innerHTML=document.getElementById("product2").innerHTML;
                        totalPrices=document.getElementById("pinkPrice").innerHTML;
                        break;
                case "red":

        document.getElementById("order").innerHTML=document.getElementById("product3").innerHTML;
                        totalPrices=document.getElementById("redPrice").innerHTML;
                        break;
                default:
                    document.getElementById("order").innerHTML="";
        }
}
```

Display Final Price on PlaceOrder button Click event

- You can create a function called displayFinalPrice() to call during place Order button click event.