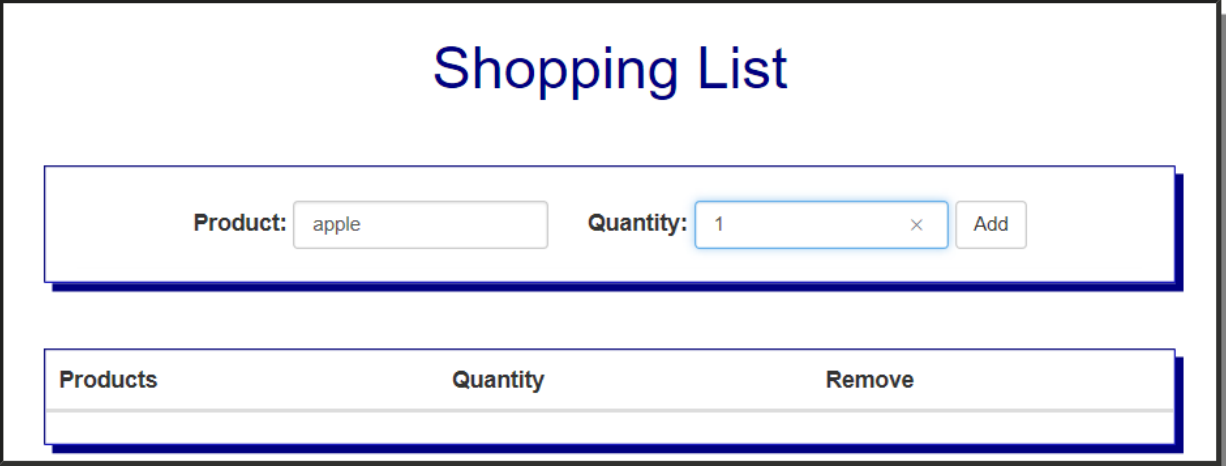


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## Entering the data

There are two textboxes which accept product name and quantity. A java script function has been written to avoid non-numeric entry in the quantity textbox and it has been assigned to the onKeyPress event.

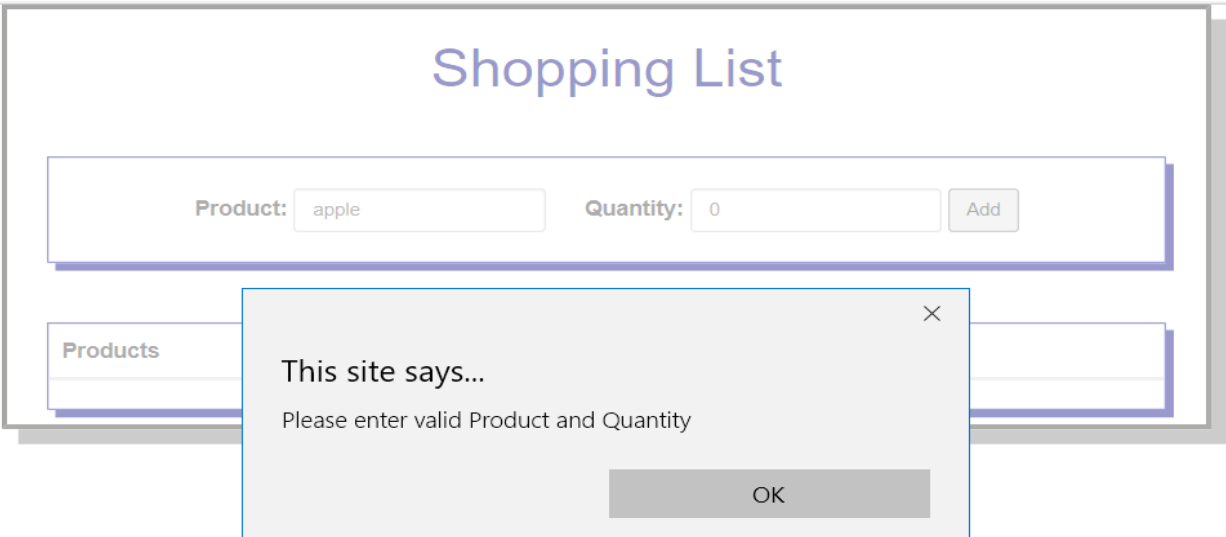


The screenshot shows a web application titled "Shopping List". It features a form with two input fields: "Product:" with the value "apple" and "Quantity:" with the value "1". There is a small "x" icon next to the quantity input and an "Add" button. Below the form is a table with three columns: "Products", "Quantity", and "Remove". The table is currently empty.

## Add data to the table

### Validation

Once user click on the “Add” button the onClick function which has been written for that button will be called. On the beginning the entered data will be validated, the product cannot be empty and quantity should be any integer greater than zero, otherwise an error message will appear and ask user to enter valid data.



The screenshot shows the same "Shopping List" application. In this state, the "Product:" field contains "apple" and the "Quantity:" field contains "0". The "Add" button is visible. A modal dialog box is displayed in the foreground with the title "This site says..." and the message "Please enter valid Product and Quantity". There is an "OK" button at the bottom of the dialog.

## Insert the data to the table

After validation the entered data will be added to the table followed by a remove button to allow user delete the entry, and both textboxes will be cleared.

### Shopping List

Product:

Quantity:

Add

Products	Quantity	Remove
banana	10	<div>Remove</div>
orange	3	<div>Remove</div>
apple	5	<div>Remove</div>

## Remove the entry

### Confirmation

By clicking the remove button the webpage asks user to confirm the deletion by show a dialog box which has “Ok” and “Cancel” button and showing the product’s name.

The screenshot shows a web application titled "Shopping List". At the top, there is a form with two input fields: "Product:" and "Quantity:", followed by an "Add" button. Below this form is a table with the following data:

Products
banana
orange
apple

A modal dialog box is displayed in the center of the screen. The dialog has a title bar that says "This site says..." and a close button (X) in the top right corner. The main text of the dialog asks: "Are you sure you want to remove 'orange' from the list?". At the bottom of the dialog are two buttons: "OK" and "Cancel". The "orange" row in the table below has a "Remove" button next to it, which is the source of the dialog.

### Deleting the row

Once the user click on the “Ok” button the row will be removed from the table.

The screenshot shows the same "Shopping List" application, but the "orange" row has been removed from the table. The form at the top remains the same. The table now contains only two rows:

Products	Quantity	Remove
banana	10	<button>Remove</button>
apple	5	<button>Remove</button>

## Code snippet

### Avoid non-numeric entry

Below codes make sure that data inside the quantity textbox is only number, it will return “false” if the validation fails.

```
function isNumberKey(evt)
{
    var charCode = (evt.which) ? evt.which : evt.keyCode;
    if (charCode != 46 && charCode > 31
        && (charCode < 48 || charCode > 57))
        return false;
    return true;
}
```

### Data validation and insertion to the table

Below function first validate the entered data and insert them into the table, a dynamic button is being created to remove the row.

```
$("#btnadd").click(function() {
    var products=$("#Product").val();
    var qut=$("#Qua").val();
    if(products.length<1 || qut.length<1 || qut==0)
        alert("Please enter valid Product and Quantity");
    else
    {
        var table = document.getElementById("table");
        var row = table.insertRow(1);
        var cell1 = row.insertCell(0);
        var cell2 = row.insertCell(1);
        var cell3 = row.insertCell(2);
        cell1.innerHTML = products;
        cell2.innerHTML = qut;
        var btn = document.createElement('input');
        btn.type = "button";
        btn.className = "btn btn-default btn-sm";
        btn.value = "Remove";
        cell3.appendChild(btn);
    }
});
```

## Remove the data

Below codes have been written using jQuery to identify the clicked remove button, show the confirmation dialog and remove the data from the table.

```
$('table').on('click', 'input[type="button"]', function(e) {
    var productName = $('td:first', $(this).parents('tr')).text();
    if (confirm('Are you sure you want to remove "'+productName+'" from the list?')) {
        $(this).closest('tr').remove()
    }
})
```