**TELEPHONE DIRCTORY**

<!DOCTYPE html>

<html>

<head>

<title>Telephone Directory</title>

<meta charset="utf-8">

<meta name="viewport" content="width=device-width, initial-scale=1">

<link rel="stylesheet" href="https://maxcdn.bootstrapcdn.com/bootstrap/3.4.0/css/bootstrap.min.css">

<script src="https://ajax.googleapis.com/ajax/libs/jquery/3.4.1/jquery.min.js"></script>

<script src="https://maxcdn.bootstrapcdn.com/bootstrap/3.4.0/js/bootstrap.min.js"></script>

<body>

<div>

<div class="jumbotron">

<center>

<br><br><br>

<h2><B><i>Phonebook Directory<span class="glyphicon glyphicon-earphone"></span></i></B></h2>

<br><br>

<span class="glyphicon glyphicon-user"></span><B>Name:</B><input type="text" id="name" placeholder="Enter your name">

<br><br>

<span class="glyphicon glyphicon-phone"></span><b>ContactNo:</B><input type="text" id="mob" placeholder="Enter your ConNo">

<br><br>

<button id='submit' onclick="addToDo()" class="btn btn-info">Submit</button>

</center>

</div>

<center><div id="result" style="background-color:orange;"><h2><B>Number Directories</B></h2></div></center>

</b>

</div>

<script type="text/javascript">

var todolist = [];

var name;

var mobile;

function phonebook(name,mobile)

{

this.name=name;

this.mobile=mobile;

}

function validateData(ref){

if (ref.name =="")

{

alert("Please enter your name ");

document.getElementById("name").focus();

return false;

}

if (ref.mobile =="")

{

alert("Please enter your mobile number ");

document.getElementById("mobile").focus();

return false;

}

}

function addToDo()

{

var name = document.getElementById("name").value;

var mobile = document.getElementById("mob").value;

//creating customer object

var ref = new phonebook(name,mobile);

var status = validateData(ref);

if (status ==false)

return;

var index = todolist.push(ref);

console.log('index ',index);

console.log(todolist);

displayToDo(index,ref);

}

function displayToDo(index,ref){

var result = '';

var outerdiv = document.getElementById("result");

var tododiv = document.createElement("div");

var todospan = document.createElement("input");

var todomob = document.createElement("input");

var todoedit = document.createElement("button");

var tododelete = document.createElement("button");

var brk = document.createElement("br");

tododiv.setAttribute("id",index);

todoedit.setAttribute("id",index);

tododelete.setAttribute("id",index);

todospan.type = "text";

todospan.value = ref.name;

todomob.type = "text";

todomob.value = ref.mobile;

todoedit.innerText ="Edit";

tododelete.innerText ="Delete";

tododiv.appendChild(todospan);

tododiv.appendChild(todomob);

tododiv.appendChild(todoedit);

tododiv.appendChild(tododelete);

tododiv.appendChild(brk);

outerdiv.append(tododiv);

todoedit.addEventListener("click",editToDo);

tododelete.addEventListener("click",deleteToDo);

}

function editToDo()

{

console.log('edit clicked');

var editedValue='';

console.log(this.parentNode.firstChild.innerHTML);

todoedit = this.parentNode.firstChild;

index =event.srcElement.id;

editedValue = todoedit.value;

console.log('editedValue ',editedValue, ' index ',index);

todolist[index-1] = editedValue;

console.log('todolist after update :',todolist);

}

function deleteToDo(){

console.log('delete clicked');

console.log(event.srcElement.id);

console.log(this.parentNode);

index = event.srcElement.id;

var pare = this.parentNode;

pare.remove();

todolist.splice(index-1,1);

console.log('after deletion :',todolist);

}

</script>

</body>

</html>