# Advance Software Engineering

# Date: 29th September, 2014

# Challenge-1 code

By: Vidhi Shah & Pramodh Sai

HTML Code:

<div id="home" data-role="page">

<div data-role="header">

<h1>Online Grocery Shopping from Supermarket</h1>

</div>

<div data-role="content">

<div>

<h1>Optional Sign In</h1>

<br/>

</div>

<h1>User name:</h1>

<input type="text" id="myTextField"/>

<h1>Password:</h1>

<input type="text" id="myTextField"/>

<a href="#page-1"> Submit </a>

</div>

<div class='liveExample'>

<table width='100%'>

<thead>

<tr>

<th width='25%'>Category</th>

<th width='25%'>Product(Distance travelled by product)</th>

<th class='price' width='15%'>Price</th>

<th class='quantity' width='10%'>Quantity</th>

<th class='price' width='15%'>Subtotal</th>

<th width='10%'> </th>

</tr>

</thead>

<tbody data-bind='foreach: lines'>

<tr>

<td>

<select data-bind='options: sampleProductCategories, optionsText: "name", optionsCaption: "Select...", value: category'> </select>

</td>

<td data-bind="with: category">

<select data-bind='options: products, optionsText: "name", optionsCaption: "Select...", value: $parent.product'> </select>

</td>

<td class='price' data-bind='with: product'>

<span data-bind='text: formatCurrency(price)'> </span>

</td>

<td class='quantity'>

<input data-bind='visible: product, value: quantity, valueUpdate: "afterkeydown"' />

</td>

<td class='price'>

<span data-bind='visible: product, text: formatCurrency(subtotal())' > </span>

</td>

<td>

<a href='#' data-bind='click: $parent.removeLine'>Remove</a>

</td>

</tr>

</tbody>

</table>

<p class='grandTotal'>

Total value: <span data-bind='text: formatCurrency(grandTotal())'> </span>

</p>

<button data-bind='click: addLine'>Add product</button>

<button data-bind='click: save' >Save order </button>

<button type="button" id="addcar" onclick="addCar();">Check Item availability</button>

<div id="carlistholder">

<ul id="carlist">

</ul>

</div>

<a href="#page-2"> Checkout </a>

</div>

<p>

</p>

</div>

<div id="page-1" data-role="page">

<div data-role="header">

<a href="#" data-icon="arrow-l" data-iconpos="left" data-rel="back" data-transition="slide" data-direction="reverse">Back</a>

<h1> Catalog </h1>

</div>

<div class='liveExample'>

<table width='100%'>

<thead>

<tr>

<th width='25%'>Category</th>

<th width='25%'>Product(Distance travelled by product)</th>

<th class='price' width='15%'>Price</th>

<th class='quantity' width='10%'>Quantity</th>

<th class='price' width='15%'>Subtotal</th>

<th width='10%'> </th>

</tr>

</thead>

<tbody data-bind='foreach: lines'>

<tr>

<td>

<select data-bind='options: sampleProductCategories, optionsText: "name", optionsCaption: "Select...", value: category'> </select>

</td>

<td data-bind="with: category">

<select id="b" data-bind='options: products, optionsText: "name", optionsCaption: "Select...", value: $parent.product'> </select>

</td>

<td class='price' data-bind='with: product'>

<span data-bind='text: formatCurrency(price)'> </span>

</td>

<td class='quantity'>

<input id="a" data-bind='visible: product, value: quantity, valueUpdate: "afterkeydown"' />

</td>

<td class='price'>

<span data-bind='visible: product, text: formatCurrency(subtotal())' > </span>

</td>

<td>

<a href='#' data-bind='click: $parent.removeLine'>Remove</a>

</td>

</tr>

</tbody>

</table>

<p class='grandTotal'>

Total value: <span data-bind='text: formatCurrency(grandTotal())'> </span>

</p>

<button data-bind='click: addLine'>Add product</button>

<button data-bind='click: save'>Save order</button>

<button type="button" id="addcar" onclick="addCar();">Check Item Availability</button>

</div>

<div id="carlistholder">

<ul id="carlist">

</ul>

</div>

<a href="#page-2"> Checkout </a>

</div>

<div> <a href="https://www.paypal.com/us/webapps/mpp/pay-online"> Sing in to paypal account </a> </div>

<div data-role="footer" data-position="fixed">

<div data-role="navbar">

<ul>

<li><a href="#page-1" data-role="tab" data-icon="grid" class="ui-btn-active">Catalog</a></li>

<li><a href="#page-2" data-role="tab" data-icon="grid">Checkout</a></li>

<li><a href="#page-3" data-role="tab" data-icon="grid">Page 3</a></li>

</ul>

</div>

</div>

<div id="page-2" data-role="page">

<div data-role="header">

<a href="#" data-icon="arrow-l" data-iconpos="left" data-rel="back" data-transition="slide" data-direction="reverse">Back</a>

<h1>Checkout</h1>

</div>

<div> <a href="https://www.paypal.com/us/webapps/mpp/pay-online"> Sing in to paypal account </a> </div>

<div data-role="content">

<section id="image-slider-container">

<div class="image-slider-inner">

<div id="image-area">

<div class="img-area-wrapper">

<img src="http://i.imgur.com/iUL4Ww9.png?1" class="actual-img">

</div>

</div>

<div id="image-area2">

<div class="img-area-wrapper">

<img src="http://i.imgur.com/oee6Vz5.png" class="actual-img">

</div>

</div>

<div id="image-area3">

<div class="img-area-wrapper">

<img src="http://i.imgur.com/HHuCM5E.png?1" class="actual-img">

</div>

</div>

<div class="slider-buttons">

<div class="slider-buttons-container">

<a href="image-area" class="o-links">&nbsp;</a>

<a href="image-area2" class="o-links">&nbsp;</a>

<a href="image-area3" class="o-links">&nbsp;</a>

</div>

</div>

</div>

<p>Page 2 content</p>

</div>

<div data-role="footer" data-position="fixed">

<div data-role="navbar">

<ul>

<li><a href="#page-1" data-role="tab" data-icon="grid">Page 1</a></li>

<li><a href="#page-2" data-role="tab" data-icon="grid" class="ui-btn-active">Page 2</a></li>

<li><a href="#page-3" data-role="tab" data-icon="grid">Page 3</a></li>

</ul>

</div>

</div>

</div>

<div id="page-3" data-role="page">

<div data-role="header">

<a href="#" data-icon="arrow-l" data-iconpos="left" data-rel="back" data-transition="slide" data-direction="reverse">Back</a>

<h1>Local Recipes and Crops </h1>

</div>

<a href="http://allrecipes.com/recipes/us-recipes/us-recipes-by-state/kansas/" > Local Recipes </a>

<h1> </h1>

<br/>

<h1 class="liveExample">Seasonal available Gocery </h1>

<br/>

<h1> Corn </h1>

<h1> Blueberry </h1>

<h1> Soybin </h1>

<h1> Cherry </h1>

<h1> Grapes</h1>

</div>

</div>

<div data-role="footer" data-position="fixed">

<div data-role="navbar">

<ul>

<li><a href="#page-1" data-role="tab" data-icon="grid">Page 1</a></li>

<li><a href="#page-2" data-role="tab" data-icon="grid">Page 2</a></li>

<li><a href="#page-3" data-role="tab" data-icon="grid" class="ui-btn-active">Page 3</a></li>

</ul>

</div>

</div>

**CSS code:**

input.ui-input-text-placeholder, textarea.ui-input-text-placeholder {

width: 98% !important;

}

#image-slider-container {

width: 100%;

height: auto;

background-color: #ffffff;

padding: 5% 0px 0% 0px;

}

.image-slider-inner {

width: 100%;

height: auto;

max-width: 1040px;

margin: 0px auto;

padding: 0px 20px 0px 20px;

}

#image-area2,

#image-area3 {

width: 100%;

height: auto;

display: none;

}

#image-area {

width: 100%;

height: auto;

}

#image-area .img-area-wrapper {

width: 80%;

height: auto;

max-width: 1140px;

margin: 0px auto;

}

.actual-img {

width: 100%;

height: 100%;

}

.slider-buttons {

width: 100%;

height: auto;

max-width: 1140px;

margin-top: 0px;

}

.slider-buttons-container {

width: 100%;

height: auto;

max-width: 1140px;

margin: 10px auto 0px auto;

text-align: center;

}

.slider-buttons-container a {

border-radius: 360px;

border: 1px #C5C5C5 solid;

padding: 0px 5px 0px 5px;

margin: 0px 5px 0px 5px;

background-color: #efefef;

outline: 0px;

text-decoration: none;

font-size: 12px;

box-shadow: -2px 1px 2px 0px #ADADAD;

transition: 0.5s;

-moz-transition: 0.5s;

-webkit-transition: 0.5s;

-o-transition: 0.5s;

}

.slider-buttons-container a:hover {

border: 1px #C5C5C5 solid;

padding: 0px 5px 0px 5px;

background-color: #DAD8D8

}

.slider-buttons-container a:active {

position: relative;

top: 2px;

}

.O\_Nav\_Current {

border: 1px #999999 solid !important;

background-color: #DAD8D8 !important;

}

#map1{

width: 525px;

height: 400px;

}

.container {

margin-top: 20px;

}

map { font-family: arial; font-size: 24px; }

body { font-family: arial; font-size: 15px; }

.liveExample { padding: 1em; background-color: #EEEEDD; border: 1px solid #CCC; max-width: 655px; }

.liveExample input { font-family: Arial; }

.liveExample b { font-weight: bold; }

.liveExample p { margin-top: 0.9em; margin-bottom: 0.9em; }

.liveExample select[multiple] { width: 100%; height: 8em; }

.liveExample h2 { margin-top: 0.4em; font-weight: bol0d; font-size: 1.2em; }

.liveExample h1 { margin-top: 0.4em; font-weight: bol0d; font-size: 1.2em; }

.liveExample th { text-align: left; font-weight: bold; }

.liveExample .price { text-align: right; padding-right: 2em; }

.liveExample .grandTotal { border-top: 1px solid silver; padding-top: 0.5em; font-size: 1.2em; }

.liveExample .grandTotal SPAN { font-weight: bold; }

.liveExample table, .liveExample td, .liveExample th { padding: 0.2em; border-width: 0; margin: 0; vertical-align: top; }

.liveExample td input, .liveExample td select { width: 8em; }

.liveExample td.quantity input { width: 4em; }

.liveExample td select { height: 1.8em; white-space: nowrap; }

li { list-style-type: disc; margin-left: 20px; }

Javascript code:

$(document).ready(function() {

//loads default content

//$('#image-area').load($('.menu\_top a:first-child').attr('href'));

$('.o-links').click(function() {

// href has to be the id of the hidden content element

var href = $(this).attr('href');

$('#image-area').fadeOut(1000, function() {

$(this).html($('#' + href).html()).fadeIn(1000);

});

return false;

});

});

$(function() {

$('.o-links').click(function(e) {

//e.preventDefault();

$('.o-links').not(this).removeClass('O\_Nav\_Current');

$(this).addClass('O\_Nav\_Current');

});

});

$('#myText').click(function() {

alert('You have registred successfully');

});

$("a[data-role=tab]").each(function () {

var anchor = $(this);

anchor.bind("click", function () {

$.mobile.changePage(anchor.attr("href"), {

transition: "none",

changeHash: false

});

return false;

});

});

$("div[data-role=page]").bind("pagebeforeshow", function (e, data) {

$.mobile.silentScroll(0);

$.mobile.changePage.defaults.transition = 'slide';

});

function formatCurrency(value) {

return "$" + value.toFixed(2);

}

var CartLine = function() {

var self = this;

self.category = ko.observable();

self.product = ko.observable();

self.quantity = ko.observable(1);

self.subtotal = ko.computed(function() {

return self.product() ? self.product().price \* parseInt("0" + self.quantity(), 10) : 0;

});

// Whenever the category changes, reset the product selection

self.category.subscribe(function() {

self.product(undefined);

});

};

var Cart = function() {

// Stores an array of lines, and from these, can work out the grandTotal

var self = this;

self.lines = ko.observableArray([new CartLine()]); // Put one line in by default

self.grandTotal = ko.computed(function() {

var total = 0;

$.each(self.lines(), function() { total += this.subtotal() })

return total;

});

// Operations

self.addLine = function() { self.lines.push(new CartLine()) };

self.removeLine = function(line) { self.lines.remove(line) };

self.save = function() {

var dataToSave = $.map(self.lines(), function(line) {

return line.product() ? {

productName: line.product().name,

quantity: line.quantity()

} : undefined

});

alert("Could now send this to server: " + JSON.stringify(dataToSave));

};

};

//Test for browser compatibility

if (window.openDatabase) {

//Create the database the parameters are 1. the database name 2.version number 3. a description 4. the size of the database (in bytes) 1024 x 1024 = 1MB

var mydb = openDatabase("cars\_db", "0.1", "A Database of Cars I Like", 1024 \* 1024);

//create the cars table using SQL for the database using a transaction

mydb.transaction(function(t) {

t.executeSql("CREATE TABLE IF NOT EXISTS cars (id INTEGER PRIMARY KEY ASC, make TEXT, model TEXT)");

});

} else {

alert("WebSQL is not supported by your browser!");

}

//function to output the list of cars in the database

function updateCarList(transaction, results) {

//initialise the listitems variable

var listitems = "";

//get the car list holder ul

var listholder = document.getElementById("carlist");

//clear cars list ul

listholder.innerHTML = "";

var i;

//Iterate through the results

for (i = 0; i < results.rows.length; i++) {

//Get the current row

var row = results.rows.item(i);

listholder.innerHTML += "<li>" + row.make + " - " + row.model + " (<a href='javascript:void(0);' onclick='deleteCar(" + row.id + ");'>Delete Car</a>)";

}

}

//function to get the list of cars from the database

function outputCars() {

//check to ensure the mydb object has been created

if (mydb) {

//Get all the cars from the database with a select statement, set outputCarList as the callback function for the executeSql command

mydb.transaction(function(t) {

t.executeSql("SELECT \* FROM cars", [], updateCarList);

});

} else {

alert("db not found, your browser does not support web sql!");

}

}

//function to add the car to the database

var i=15;

function addCar() {

//check to ensure the mydb object has been created

if (mydb && i!=0) {

//get the values of the make and model text inputs

i--;

alert("Item is available");

//Test to ensure that the user has entered both a make and model

if (make !== "" && model !== "") {

//Insert the user entered details into the cars table, note the use of the ? placeholder, these will replaced by the data passed in as an array as the second parameter

mydb.transaction(function(t) {

t.executeSql("INSERT INTO cars (make, model) VALUES (?, ?)", [make, model]);

outputCars();

});

} else {

alert("You must enter a make and model!");

}

} else {

alert("Sorry item is not available");

}

}

//function to remove a car from the database, passed the row id as it's only parameter

function deleteCar(id) {

//check to ensure the mydb object has been created

if (mydb) {

//Get all the cars from the database with a select statement, set outputCarList as the callback function for the executeSql command

mydb.transaction(function(t) {

t.executeSql("DELETE FROM cars WHERE id=?", [id], outputCars);

});

} else {

alert("db not found, your browser does not support web sql!");

}

}

outputCars();

ko.applyBindings(new Cart());