

Web Storage

Overview

In this lab, you'll implement shopping cart functionality using Web storage at the client.

Roadmap

There are 3 exercises in this lab, of which the last exercise is "if time permits". Here is a brief summary of the tasks you will perform in each exercise; more detailed instructions follow later:

1. Implementing basic Web storage
2. Enhancing the application functionality
3. Additional suggestions (if time permits)

Exercise 1: Implementing basic Web storage

In the *Start* folder, open `ShoppingBasket.html` in the browser. The Web page appears as follows:

Shopping basket (using session storage)

Product:

Quantity:

Open the Web page in an editor and implement the *Add item* button. This will allow the user to add a specified product and quantity to the shopping cart (use the product name as a key in session storage, and use the quantity as the corresponding value).

Exercise 2: Enhancing the application functionality

Add the following features to the Web page:

- Display a count of items in the shopping cart
- Remove a particular item from the shopping cart
- Clear all items from the shopping cart
- Display all items in the shopping cart

Exercise 3 (if time permits): Additional suggestions

Add a "checkout" feature that posts all the local shopping cart data to an Ajax-enabled server. The server should return some useful status information, such as the total quantity of all the items in the shopping cart.