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<?php
//start session
session_start();
//initialize session shopping cart
if (!isset($_SESSION['cart']))
{
    $_SESSION['cart']=array();
}

//look for catalog file
$catalogFile="catalog.dat";
//file is available, extract data from it
//place into $CATALOG array, with SKU as key
if (file_exists($catalogFile))
{
    $data=file($catalogFile);
    foreach ($data as $line)
    {
        $lineArray=explode(':', $line);
        $sku=trim($lineArray[0]);
        $CATALOG[$sku]['desc']=trim($lineArray[1]);
        $CATALOG[$sku]['price']=trim($lineArray[2]);
    }
}
else
{
    die("Could not find catalog file");
}

//check to see if the form has been submitted
//and which submit button was clicked

//if this is an add operation
//add to already existing quantities in shopping cart
if ($_POST['add'])
{
    foreach ($_POST['a_qty'] as $k=>$v)
    {
        //if the value is 0 or negative
        //don't bother changing the cart
        if ($v>0)
        {
            $_SESSION['cart'][$k]=$_SESSION['cart'][$k] + $v;
        }
    }
}
//if this is an update operation
//replace quantities in shopping cart with values entered
else if ($_POST['update'])
{
    foreach ($_POST['u_qty'] as $k=>$v)
    {
        //if the value is empty, 0 or negative
        //don't bother changing the cart
        if ($v!=" " && $v>=0)
        {
            $_SESSION['cart'][$k]=$v;
        }
    }
}
//if this is clear operation

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//reset the session and the cart
//destroy all session data
else if ($_POST['clear'])
{
    $_SESSION=array();
    session_destroy();
}
?>
<html>
<head></head>

<body>
<h2>Catalog</h2>
Please add items from the list below to your shopping cart.
<form action="<?$_SERVER['PHP_SELF']?>" method="post">
<table border="0" cellspacing="10">
<?php
//print items from the catalog for selection
foreach ($CATALOG as $k=>$v)
{
    echo "<tr><td colspan=2>";
    echo "<b>". $v['desc'] . "</b>";
    echo "</td></tr>\n";
    echo "<tr><td>";
    echo "Price per unit: " . $CATALOG[$k]['price'];
    echo "</td><td>Quantity: ";
    echo "<input size=4 type=text name=\"a_qty[" . $k. "]\>";
    echo "</td></tr>\n";
}
?>
<tr>
<td colspan="2">
<input type="submit" name="add" value="Add items to cart">
</td>
</tr>
</table>

<hr/>
<hr/>

<h2>Shopping cart</h2>

<table width="100%" border="0" cellspacing="10">
<?php
//initialize a variable to hold total cost
$total=0;
//check the shopping cart
//if it contains values
//look up the SKUs in the $CATALOG array
//get the cost and calculate subtotals and totals
if (is_array($_SESSION['cart']))
{
    foreach ($_SESSION['cart'] as $k=>$v)
    {
        //only display items that have been selected
        //that is, quantities>0
        if ($v>0)
        {
            $subtotal=$v*$CATALOG[$k]['price'];
            $total+=$subtotal;
            echo"<tr><td>";
            echo"<b>$v unit(s) of " . $CATALOG[$k]['desc'] . "</b>";
            echo"</td><td>";

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echo "New quantity: <input size=4 type=text name=\"u_qty[\" . $k . \"\"]\">";
echo "</td></tr>\n";
echo "<tr><td>";
echo "Price per unit: " . $CATALOG[$k]['price'];
echo "</td><td>";
echo "Sub-total: " . sprintf("%.2f", $subtotal);
echo "</td></tr>\n";
}
}
}
?>
<tr>
<td><b>TOTAL</b></td>
<td><b><?=sprintf("%.2f", $total)?></b></td>
</tr>
<tr>
<td><input type="submit" name="update" value="Update Cart"></td>
<td><input type="submit" name="clear" value="Clear Cart"></td>
</tr>
</table>
</form>

</body>
</html>

```