Discount Calculator

Contents

Description

The discount calculator script is used to calculate savings on different categories of things. It requires that each category has a dedicated form which contains two HTML input fields. One is a text field with an id of "spend". The user enters the amount they are likely spend into this field. The other is a readonly text field where the Discount Calculator will write the results of apply the discount to the value in the spend field. This must be given an id of "saving".

To make the calculations work an onkeyup event handler needs to be added to the spend field to call the write_discounts function in the Discount Calculator. A reference to the spend field needs to be passed to this function. Here is an example.

```
<input type="text" name="spend" onkeyup="write_discounts(this)"/>
```

An example of the form for a category might look like this.

```
<form name="CategoryA" id="CategoryA">
  Spend:  <input type="text" name="spend"
onkeyup="write_discounts(this)"/><br />
  Saving: <input type="text" name="saving" readonly/> <br />

</form>
```

The association between a category and its discount is based on the id of the form that contains the spend and saving field that go with it. You can add as many category forms as required; each must have a unique id.

The spend fields are assumed to contain monthly spends. The total spend and saving for all categories and the total savings for a year are written into the fields of a form with an id of "Totals".

```
<form name="Totals" id="Totals">
  Spend:  <input type="text" id="spend"  readonly/><br />
  Saving: <input type="text" id="saving" readonly/> <br />
  Total Yearly: <input type="text" id="yearlySaving" readonly/> <br />

</form>
```

Configuration

In the JavaScript of the Discount Calculator the discount for a category is represented by a DiscountCatagory that contains the id of the form where the discount is to be applied, and the percentage discount as a whole number. In this example the spend values in the form with an id of "CategoryA" will have a discount of 10% applied.

```
new DiscountCategory("CategoryA", 10);
```

The DiscountCategory must be added to an array called DiscountCaclulatorConfig.discountCategories, like this:

```
DiscountCalculatorConfig.discountCategories[DiscountCalculatorConfig.discou
ntCategories.length]
    = new DiscountCategory("CategoryA", 10);
```

Test

A file called TEST_SAVINGS.HTML is supplied as a demonstration of the Discount Calculator and to allow manual testing.