



sixtypercentoff.com - (<http://www.sixtypercentoff.com>)

Abstract

sixtypercentoff.com was built for the frugal shopper and displays the most discounted products from Amazon.com which are sixty percent off or more. This website uses an array of technologies which allow the user to search through the products and categories to find discounted products they might be interested in. The website also lets the user set up alerts of searches which informs when when a new product that matches their interests has become discounted enough to appear in the search results.

Technical

The website grabs products from Amazon's website, checks them against the API using REST requests and then updates the products daily by checking the product values against the pages through PHP web crawling techniques. sixtypercentoff.com is dynamic and fully automated using PHP and MySQL with some JavaScript and the design used HTML with CSS.

Challenges

The main challenge I encountered was that all of the crawling the site was doing happened to exceed the web hosting limits set by the company I was using to host the project. I was frequently asked to either slow down the crawling or move to a dedicated server. I decided to move to a dedicated server rather than to compromise the abilities of the project.

Product

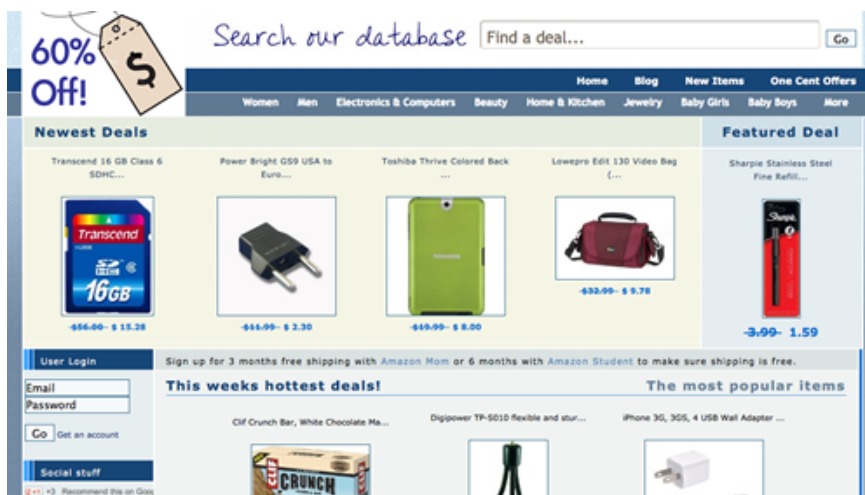


Figure 1: website index page

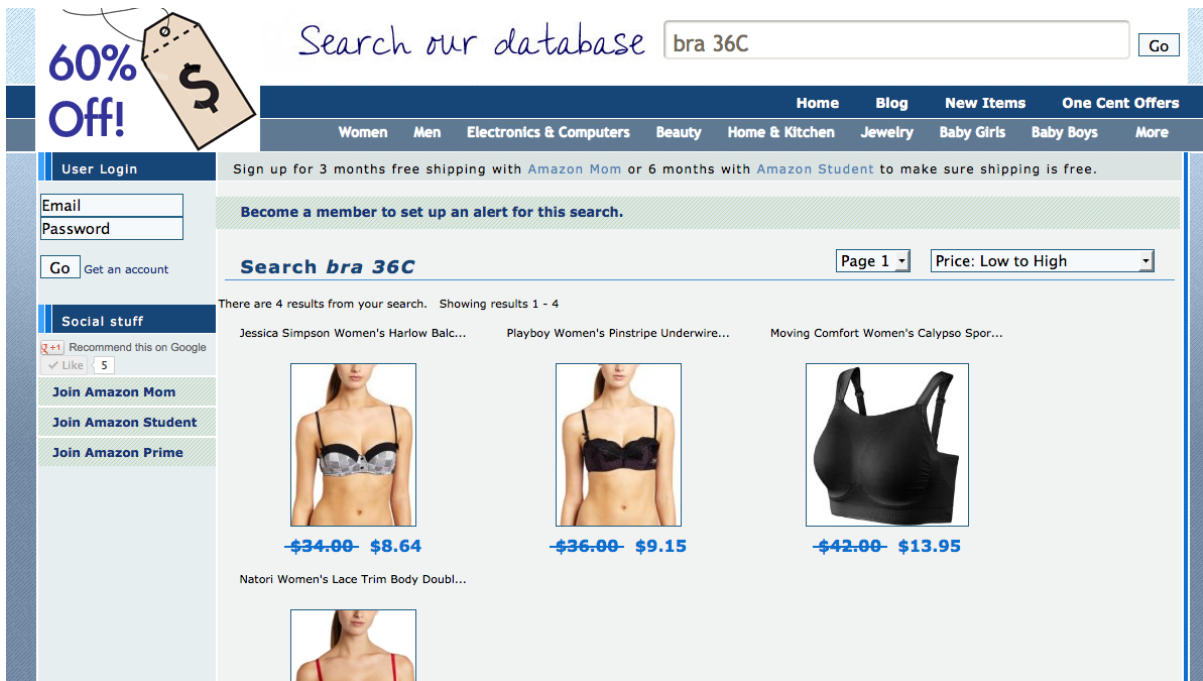


Figure 2: search page

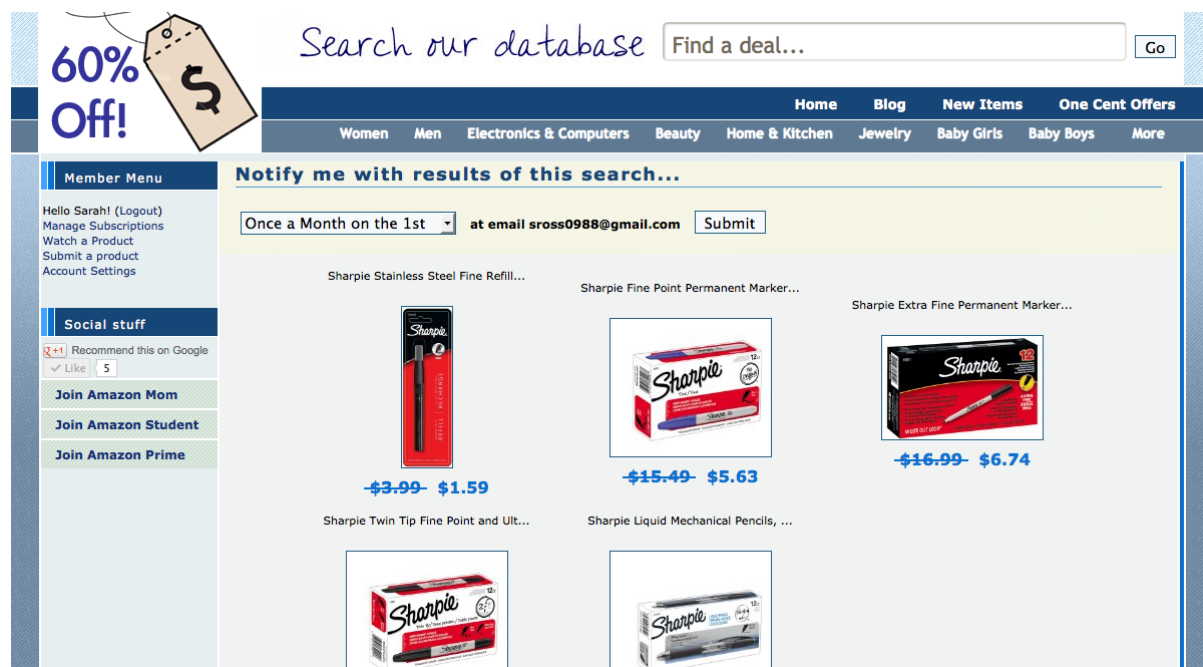


Figure 3: notification system