see:detail
independent software testing

Janssen medical cloud (JMC)

Introduction

Janssen medical cloud is an information website for healthcare professionals which provides drug information for various therapeutic areas (TA) of health. Each TA has its own subsite to explain the possible benefits, case studies, applications, patient resource guides, external links and event information. The information provided is presented using written details, videos and podcasts.

A similar website called Janssen with Me was also analysed as part of this work with similar objectives.

Problem Statement

see:detail was brought on board to analyse the websites under test and to extract various pieces of custom data. This information included the number of videos and podcasts present, details about PDFs, item codes, dates of preparation, Brightcove IDs, Eloqua IDs and content tags. This information was tailored to the client's needs so that they could extract custom data that they needed. This helped the client with compliance with regulatory requirements and helped to ensure that the website content was presented to a high-quality standard across all pages.

The Task

Test Planning

Prepare Screaming Frog software for crawling of the website. This includes writing xpath / css paths to extract the correct custom information from the website.

This also includes using authentication settings to ensure that the internal browser of the spider software can access all pages for each level required. Levels are given for this website to ensure that different users can see different content:

- L1 user - a logged out user
- L2 user - has stated that they are a healthcare professional
- L3 user - is logged in using their email address and password

Test Execution

The software is activated and begins crawling the website. The crawl may take 30-60minutes. Once complete the Excel extractions are made for further analysis. These may include lists for HTML, PDF, Inlinks and Other files.

Once the extractions are complete, the data can be further analysed in Excel. In this case this involved Counting the numbers of each extracted item, counting the numbers of pages, and counting the numbers of pages under maintenance.

Afterwards charts were created to demonstrate the data in various graphs.

Tools Utilised

Software called "Screaming Frog" was used to complete the spider of the website. This is a very powerful piece of software which can be heavily customized for the task at hand.

The software can cope with login boxes, custom extraction of content and can ignore search engine instructions to ensure that the maximum number of pages are extracted. It has a Chromium browser built in so that it can render pages in the same way in which a human would see them.

Conclusion

see:detail has an ongoing relationship with Janssen to complete monthly audits for their JMC websites. Each month a crawl of each website is made which provides detailed information on each page. The customer is very happy with the work provided.

see:detail is the trading name of Autism Works Limited, a Social Enterprise that offers the opportunity of sustainable employment to people with an autism spectrum condition or Asperger's Syndrome in the field of software testing. More information can be found at:

- www.seedetail.co.uk
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