CASE STUDY

Medical Journal publishing, PDF to XML conversion as per PubMed standards – Hi-Tech's competent conversion team saves 30% -40% client costs.

Client Overview

Company : Open access medical journal, focusing on health innovation for global community
Location : Australia
Industry : Health Care

The Objective:

Converting Open Access Medical Journal from pdf files to XML format

The Challenges:

- Non unique font or font size where both words and numerical meaning delimiters were in different font size.
- PDF source document contained peculiar typesetting errors. Few additions were shown in regular font, but others were in different fonts. Second stage of the conversion process required manual fixes to be carried out.
- The font and font size attributes in the XML file needed detailed inspection in order to detect and mitigate the whitespace characters to avoid erroneous typeface information that could cause clutter across the transitions in the XML process.

Technology / Software Used:

Adobe PDF, PubMed style checker & PubMed Article Previewer were used after comprehending client requirements for converting data from PDF format to XML format.

The Solution:

Ongoing conversion process of, since 2011, handling monthly issues of Medical Journal Documents from PDF to XML format.

Recent years have brought about evolutionary changes in efforts to digitize medical data, however; integrating data from various providers, and across domains, remains a challenge till date. Simultaneously technologies have also evolved towards resolving these challenges. However, the progress is slow, and this is due to the scarcity of domain specific software tools that address specific challenges.

One of the leading periodicals, printers and publisher approached us for conversion of Open Access Medical Journal from pdf files to XML format. The process also warranted data collection in XMLeditor, implementing tagging guidelines approved by PubMed Central and validation of XMLfiles against the XMLschema.

The Solution:

The process was streamlined, starting with collection of Input PDF files from various sites suggested by client.

- Nomenclature changed based on PubMed guidelines, followed with XML conversion carried out while inserting XML tags as per XML schema approved by PubMed Central.
- Stringent Quality Control parameters were followed to validate XMLfiles against the XMLschema.
- Style Checker QC was opted for checking the final XML with online PubMed Style checker to confirm whether an XMLfile conforms to PMC Style as defined in the PMC XML Tagging Guidelines.
- Files then were viewed on PubMed Article Previewer giving you that feel and look of an article as it would appear in PubMed Central & finally the files were uploaded on client's FTPserver.

Benefits:

- Effective and Economical way to publish data on web, led to client satisfaction
- Entire conversion process enhanced the efficiency of data access
- Client was able to retain complete PDF document hyperlinks
- Enabled extraction of text without images; if required
- Entire content allowed editing and formatting the converted output for redistribution

About Hi-Tech BPO Services

They specialize in delivering backend solutions to Medical practitioners & Health care professionals in a qualitative & time bound manner across the globe. Be it specialized or general; their experts are skilled to perform tasks related to UB-04 (CMS 1450), HCFA Form 1490s (Patient's Request for Medical Payment), CMS 1500 (Health Insurance Claim Form), ADA Dental Claim Forms, conveniently. All their projects get audited by Quality Assurance team & then provided to clients with real time status reports. Their consistent efforts at building long-term relationships with clients, backed by commitment to deliver on-time and qualitative services, have been pivotal to the consistent growth above market standards.

Hi-Tech bpo Services

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