

Case Study

Industry: Healthcare



Client

The client is a consulting services company with expertise and experience in computational biology and bioinformatics. Their team of highly qualified computational biologists, computational chemists, and bioinformatics and biostatistics experts provide solutions to most of the computationally intensive biological challenges.

Executive Summary

The customer wanted to create an offline knowledge management solution, where the application would search online medical journals, fetch user filtered data and create a knowledge repository on the user's local machine for user specified areas. One of the prime requirements was to make the application agile, scalable and robust.

Synergy Technology Services, due to our vast experience in developing solutions which serves as a knowledge repository was given the opportunity to develop one for our client.

Technology

- + C#
- + SQL Express

Solution

- + Developed a generic object model for crawling and retrieval of data.
- + Created template journal structures allowing addition of a new journal without any additional effort.
- + Multi-threaded crawling model with configurable throttle time for eliminating being blocked by medical journals

Challenges

- + To develop an application that would crawl and retrieve data from numerous online publications by-passing the blocked medical journals
- + Diverse search patterns and display formats.
- + Replicating user behavior for submitting search forms on the medical journals.

Business Impacts

- + Agile, scalable and robust application that can extended to offline models.
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For more information, please contact info@sts.in
www.sts.in

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