

Case Study: Reata Discovery Inc.

Client

Reata Discovery Inc. is a bio-pharmaceutical company formed to discover, develop, and commercialize new drugs that target major un-met clinical needs in cancer and neurodegenerative diseases. Reata works to combine clinical and preclinical candidates, novel drug discovery platforms and renowned scientists from leading research institutions.

Challenge

Reata already had their File Management System (FMS) developed in Microsoft Access database. FMS was developed in-house, which maintained a URL path to the documents in ones' hard drive. Reata wanted the FMS upgraded to a web development platform so it could be shared with others in the organization with a proper user security structure. They also wanted this system to integrate with SharePoint Portal Server.

Initially, the documents provided by the authors were circulated between the different departments via emails. These documents were used to facilitate research-oriented activities and management of patent related information. Due to unorganized document management and workflows, it was difficult to manage and provide up-to-date information to the researchers, who were actually responsible for the discovery of new drugs.

Solution

ISHIR assessed the documented requirements and conducted user workshops to understand the objectives of the system. During the process, necessary changes were made to improve the performance and manageability of DMS. The system was designed and developed using the latest technologies, which enabled the application to be scalable and robust. The application had two interfaces, one for users who would use the system and another for the administrator, who was responsible for managing the system. Since the document was not to be made available to the general public on the Internet, DMS was hosted in the intranet environment behind security.

Technology

The solution was developed using C# and ASP.NET and was built on Windows Server and using Microsoft SQL Server as a database.

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