



ASPOSE.WORDS

Hollings Cancer Center

Using Aspose.Words for Database Operations

William Morgenweck, June 06, 2009

Product Background / Overview

When a Researcher asks for data from our various departments we need to send the requests to an Evaluation committee. We currently have a Web application that asks a series of 10 topics to a committee of evaluators and from the topics each Evaluator then develops their own set of question individually to be sent back to the Researcher. The Researcher then needs to response to each question. If the Evaluator does not think that the question is answered completely then the process is started over again. All of this information needs to be stored in a database for easy analysis. The initial problem that we had with the Web System was that lots of work needed to be applied to each area of interest. Once we had a Researcher spend hours answering one question and then he lost Internet connectivity. This developed the requirement to be able to work off-line.

Requirements Scenario

We needed a way to work off-line and still be able to parse data back into a database. We needed a solution that was available to all end users. We needed a way to present information that was common to the end user.

Solution Implementation

Since we had a complete working Web Application, we added the ability to work off-line by having the end user click a button and have an email sent to them with a Word Document attachment. The Word document is created with Aspose.Words on the fly from the series of questions and responses between that Evaluator and the Researcher. We identify each area with bookmarks and when the document is returned we have an automatic process that reads the emails and using Aspose.Words parse the Word document and enter the data into the database. Once that is completed the parties are notified and the process starts over again. From the time that the email is returned it takes less than 2 seconds to have the data entered into the database. This gives the end user the comfort that their data is safe on their local machine.

Benefits

We tried emails but end users would sometimes change too much of our identifying information and we would not know which Study the email would relate. Using the Word document we could create a cleaner experience with the end user.

Future Implementations

In the future we plan to add additional word documents to the process, such as the final recommendations from the committee.

Conclusion

There is nothing worse than creating a web application that needs constant monitoring. Using Aspose.Words we eliminated the problems that end users faced with ensuring that their data and work was safe and secure.



Sunday, June 07, 2009



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Document List

None Available

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Protocol Title Not Available

1. Briefly describe the purpose of this study, the targeted patient population, and the scientific rationale. Does the study address an important scientific question? Comment on the clarity of the writing, ease of locating information essential to your scientific and methodological review. Please list any questions or comments for the PI.

Question is considered answered

2. Are the study endpoints and evaluation criteria clearly described? If not, please explain. Please list any questions or comments for the PI.

Question is considered answered

3. Is the study methodology clearly described, and is it appropriate and adequate to answer the study objectives? Please list any questions or comments for the PI.

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Word Document

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