Background

The company ChemiClean, usages a large number of chemicals in their production. EU law requires that companies that uses any kind of chemicals obtain an updated safety data sheet from the manufacture. If the newest version of a safety data sheet is not accessible to the employees of the company, it will be held accountable, in case of accidents.

An employee of ChemiClean have made a database of all the chemicals used by the company, containing links to where on the supplies homepage the safety data sheet can be found. Currently this database holds 100 entries. The safety data sheets are for the most part PDF documents, but they can also be in word or plain text format.

Task

The safety representative of ChemiClean wants to make the database accessible to all employees by means of an intranet site.

There are, however, a number of problems with the current database. Errors occur when the URL changes or the supplier's webserver is unavailable. This is critical since information in the safety data sheet is necessary in case of accidents.

Your primary tasks are to;

- Create a web interface where users can view the safety data sheets
- Save a local copy of the document in the database, and signal the availability to the user.

Your secondary task is

- On the web interface signal to the user if binary content of the document has changed recently, within 3 days.
- Spend your last 10 minutes to write a few comments on your choices to your solution as well as elements you want to improve I you had been given more time.

The solution is meant to run on the company's intranet and there should be no authentication, it must also take into account that the number of documents may one day grow to over 10.000

Requirements

The following conditions must be met:

- Your solution must be based on the Microsoft ASP.NET stack and the backend must be written in VB.NET or C#.

Other than this, all aspects of the assignment are free, and the existent database can be modified as needed

Test information

When you are done send your answer to jer@prooffice.dk

Attached to this mail is a SQL script for creating the database, it uses MSSQL if you do not have a MSSQL server you can download it from http://www.microsoft.com/en-us/download/details.aspx?id=29062

You have **6-8 hours** to create web interface with the specified functions and to make it as user friendly as possible.