Text Document

Jiawei Wang

In this project, I implement most of the concepts in Project 3 OCD, but some of concepts in Project 3 OCD are not practical in Project 4.

1. MongoDB. MongoDB is used to maintain information in Repository. But I find that we do not need to save the dependencies, so it is not necessary to implement with MongoDB.
2. Write and Read Lock. In project 3, I want to avoid the conflict when two users write one file concurrently. So I use MongoDB to record the value of Readable. But in Project 4, I do not implement this.
3. Log Query. In project 3, I want to save some logs information in MongoDB in order to query easily. But in Project 4, I just implement query() based on Prof. Fawcett’s Demo Project 2.

And there are some good implementation.

WCF:

I implement showfiles() and query() in the interface IStreamService. I just add some functions into the interface, and implement them in the Repository Project, and the Client and directly do these operations without twice communications (i.e. Send Request Message to Repository and Receive the Message from Repository).

WPF:

I use ListBox to make the repository readable and useable. In these ListBox, I put the strings that is filenames into the ListBox. And User can select and then do some operations. That is very user-friendly.