NoSQL Key/Value Database – Project2

# Overview:

In this project we have implemented a Generic NoSQL Key/Value database using the facilities of the .Net Framework Class Library and Visual Studio 2015 based on the concept developed in Project-1. Using the helper code provided by Dr.Fawcett, I have implemented all the packages needed for the database application. The Executive package is used to demonstrate all the requirements to the TA.

# Comparing current implementation with OCD developed in Project1:

Although most of the concepts mentioned in OCD are implemented a few of them could not be implemented in this project –

* The concept of sharding was mentioned in the OCD, but it is not implemented. Here we persist all the contents of the database into a single XML file. Hence the sharding package is not included in this project.
* The concept of compound queries is not implemented in this project. This project supports only simple queries, hence each query is always processed on all the contents of the database.

Few of the critical issues (like prioritizing of queries and replicating of the contents in another server) that were mentioned in the OCD didn’t seem to be critical enough while implementing this project, and hence were not addressed. Leaving that all the concepts mentioned in OCD were practical and are implemented in this project.