PROG8410 – NoSQL Database Implementation
Assignment 01 – Introduction to NoSQL Databases

Submission: Individual
Grade: 10%

Introduction

NoSQL databases are systems designed to run without interruption of service. Many web-based businesses require data services that are available without interruption.
For example, databases that support online purchasing need to be available 24 hours a day, 7 days a week, 365 days a year.

Requirements
You will research the different strategies used by NoSQL databases to ensure high availability, and write a short report on your findings.

Here are the specific requirements:
1. Define what is high availability, and how to measure it.

2. Write a report to explain how a NoSQL database can be highly available. You must use specific examples of existing NoSQL databases in your answer (Identify 5 NoSQL databases. For each, explain the strategies for high availability.

3. The main part of the report should be no more than 600 words.

4. In a bibliography, include the references you used to write the body of the report.

5. Include a proper cover page for the report with:

   a. The Assignment number and title

   b. Your name and Student ID

   c. The due date

Please submit the document as a PDF file into the appropriate Assignment Folder in eConestoga.