**UFCFU3-15-3 - Advanced databases 24jan**

**Week 3 - Session Plan**

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| **What we will cover in this session…** | * Introduction to NoSQL Databases * Key value stores * Row stores * Column Stores * Document Stores * Graph databases |
| **This links to…** | * Working mechanisms of NoSQL systems |
| **Prepare** | **Key concepts / terms to look up before the session:**   * NoSQL databases     **It may be helpful to:**   * Get an overview:   https://www.mongodb.com/resources/basics/databases/nosql-explained |
| **Participate** | **In the session we will explore:**   * What are NoSQL databases * Key value stores, sharding, advantages, disadvantages, how it works * Row stores, column stores, advantages, disadvantages, how it works * Document stores, pros and cons, basic technical details * Graph databases overview   **Session materials**  Lecturer slides, prerecorded lecture videos, and practical exercises are available under Learning Material section on the Blackboard |
| **Practise** | **How this session links to assessment**  It will provide a basic understanding and working mechanisms of NoSQL systems, and the students should be able to understand about how these systems work. This knowledge will contribute to the assessment. |
| **Session materials** | Session material is available on the Blackboard. |