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

**Week 2 - Session Plan**

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| **What we will cover in this session…** | * Introduction to Distributed Databases * Database types * Fragmentation, Replication * Data transparency, distributed query processing * Transactions |
| **This links to…** | * Developing fundamental understanding about distributed databases and NoSQL databases. |
| **Prepare** | **Key concepts / terms to look up before the session:**   * Distributed databases     **It may be helpful to:**   * Get an overview: [Distributed database - Wikipedia](https://en.wikipedia.org/wiki/Distributed_database) |
| **Participate** | **In the session we will explore:**   * What are distributed databases? Why do we need it? What are the complexities associated with it? * Database types, fragmentation, replication * Distributed query processing * Transactions   **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 of distributed database management systems, and the students should be able to understand and think critically about the concepts covered in the lecture. This fundamental understanding and critical thinking ability will help with the assessment. |
| **Session materials** | Session material is available on the Blackboard. |