Coursework Assignment Brief
Assessment - Undergraduate

Academic Year 2024-25

Module Title: Modern Data Stores			
Module Code: CMP6207			
Assessment Type INPER (Presentation)	**Level** 6	**Weighting** 40%	**Word Count/Workload**
Dates Monday 12th May 2025	**Submission Time** 3:00pm	**Module Leader** Konstantinos Vlachos	**Time Limit** N/A

This assessment consists of:

- A presentation of the contents covered in your report for the database system that was designed and implemented for IoThings Home Automation Solutions. The report is worth 40% of this module's assessment.

Learning Outcomes Assessed:

3. Design, implement and professionally report a NoSQL application for a real enterprise or a complex case study together with sound justification for the approach adopted.

Important Statements

Submission Information

- Present any written aspects of the assessment using font size 11 and using 1.5 spacing to allow for comments and annotations to be added by the markers.
- Complete the appropriate cover sheet for this assessment and append your work.
- Submit this coursework assessment task via Moodle.

Late Submission

Assessments must be submitted in the format specified in the assessment task, by the deadline and to the submission point published on Moodle. Failure to submit by the published deadline will result in penalties which are set out in Section 6 of the Academic Regulations, available at:
https://icity.bcu.ac.uk/Quality-Enhancement-and-Inclusion/Quality-Assurance-and-Enhancement/Academic-Regulations

Use of Artificial Intelligence

Whilst AI tools can be helpful in assisting learning, when it comes to assessment, the Academic Misconduct Procedure is clear that this should be a student's own original work and not the work of other people or AI tools.

The Use of AI Tools – Student Guidelines document follows the same guidelines your lecturers use. If you are unsure of whether AI is appropriate within your work, please read the guidelines or ask your lecturer. For advice and guidance around academic writing, please visit the Centre for Academic Success.

Academic Integrity Guidance

Academic integrity is the attitude of approaching your academic work honestly, by completing and submitting your own original work, attributing and acknowledging your sources when necessary. Understanding good academic practice in written and oral work is a key element of academic integrity. It is a positive aspect of joining an academic community, showing familiarity with and acknowledging sources of evidence. The skills you require at higher education may differ from those learned elsewhere such as school or college.

You will be required to follow specific academic conventions which include acknowledging the work of others through appropriate referencing and citation as explicitly as possible. If you include ideas or quotations that have not been appropriately acknowledged, this may be seen as plagiarism which is a form of academic misconduct. If you require support around referencing, please contact the Centre for Academic Success

It is important to recognise that seeking out learning around academic integrity will help reduce the risk of misconduct in your work. Skills such as paraphrasing, referencing and

citation are integral to acting with integrity and you can develop and advance these key academic skills through the Centre for Academic Success (CAS).

To learn more about academic integrity and its importance at university, you can access CAS resources on Moodle. Furthermore, you can book on to workshops and request 1-2-1 support around key academic skills.

Academic Misconduct

Academic misconduct is conduct that has or may have the effect of providing you with an unfair advantage by relying on dishonest means to gain advantage and which therefore compromises your academic integrity.

The Academic Misconduct procedure sets out the process we will follow, and the penalties we may apply, in cases where we believe you may have compromised your academic integrity by committing academic misconduct. The Academic Misconduct Procedure and information about academic support is available at: https://icity.bcu.ac.uk/Student-Affairs/Appeals-and-Resolutions/Academic-Misconduct-Procedure

Assessment Details

Title: IoThings Report Presentation **Style:** Online presentation
Rationale: In industry it is common for an analyst or consultant to present their designs, implementation and data management to senior management to supplement existing written reports. This assessment enables students to practice their verbal communication skills in presenting their implementation of a NoSQL database solution. **Description:** Your presentation (as the second supplementary component of the module's assessment) must reflect the contents of your report and your implementation. The presentation must cover your design, implementation and data management.

Additional information:
For advice on writing style, referencing and academic skills, please make use of the Centre for Academic Success: https://icity.bcu.ac.uk/celt/centre-for-academic-success

Workload:
This assessment is equivalent to a 1,000-word report

Transferable skills:
Key transferable skills embedded in this assessment include gaining excellent communication skills to a professional standard.

Marking Criteria:

Table of Assessment Criteria and Associated Grading Criteria

Learning Outcomes	3 Design, implement and professionally report a NoSQL application for a real enterprise or a complex case study together with sound justification for the approach adopted.
Assessment Criteria →	
Weighting:	40%
Grading Criteria **0 – 29% F**	Little or no NoSQL database has been implemented. Presentation is poor and not to the standard expected of a graduate

	30 – 39% **E**	A working NoSQL database installation with errors and limitations has been presented but no design or data management system has been included. Presentation overall could do with a little improving.
	40 – 49% **D**	A working NoSQL database installation with some limitations has been presented. A workable design presented but no data management system has been included. Presentation was acceptable but there were issues with the work being presented.
	50 – 59% **C**	A working NoSQL database installation with some limitations has been presented. A workable design was presented, and a data management system has been included. An interesting presentation that had a few shortcomings on the material being presented but could be shown to a prospective client/employer.
	60 – 69% **B**	A working NoSQL database presented. A good database design presented that was reflected in the implemented database. A data management system has been included that expressed clustering or other data distribution solution. A good presentation that reflected the good quality of the student's NoSQL database implementation and ability to produce an online presentation. However, there is still a little room for improvement on the presentation, but the NoSQL database solution was good.
	70 – 79% **A**	A completely working NoSQL database presented. A workable design presented that was reflected in the implemented database. A data management system has been included that expressed clustering or other data distribution solution. A first-class presentation, which reflected a good working NoSQL database solution. Happy to show the online presentation to a prospective client/employer.
	80 – 89% **A+**	A good and completely working NoSQL database presented. Workable database and data distribution designs have been included. All designs presented were reflected in the implemented database. A data management system has been included that expressed clustering or other data distribution solution. A professional standard presentation of a NoSQL database design and implementation solution.
	90 – 100% **A***	A professional and completely working NoSQL database presented. A good database and data distribution designs have been included. All designs presented were reflected in the implemented database. A data management system has been discussed that expressed clustering or other data distribution solution. A professional standard presentation that could be used as an exemplar to other students and professionals of a NoSQL database design and implementation solution.

Format: In person/online presentation.

Regulations:

- The minimum pass mark for a module is 40%
- Re-sit marks are capped at 40%

Full academic regulations are available for download using the link provided above in the IMPORTANT STATEMENTS section

Late Penalties

If you submit an assessment late at the first attempt, then you will be subject to one of the following penalties:

- if the submission is made **between 1 and 24 hours** after the published deadline the original mark awarded will be reduced by **5%**. For example, a mark of 60% will be reduced by 3% so that the mark that the student will receive is 57%.
- if the submission is made between **24 hours** and **one week (5 working days)** after the published deadline the original mark awarded will be reduced by 10%. For example, a mark of 60% will be reduced by 6% so that the mark the student will receive is 54%.
- **if the submission is made after 5 days following the deadline, your work will be deemed as a fail and returned to you unmarked.**

The reduction in the mark will not be applied in the following two cases:

- the mark is below the pass mark for the assessment. In this case the mark achieved by the student will stand
- where a deduction will reduce the mark from a pass to a fail. In this case the mark awarded will be the threshold (i.e., 40%)

Please note:

- **If you submit a re-assessment late then it will be deemed as a fail and returned to you unmarked.**

Feedback:

Marks and Feedback on your work will normally be provided within 20 working days of the submission deadline.

Where to get help:

Students can get additional support from the library support for searching for information and finding academic sources. See their iCity page for more information: http://libanswers.bcu.ac.uk/

The Centre for Academic Success offers 1:1 advice and feedback on academic writing, referencing, study skills and maths/statistics/computing. See their iCity page for more information: https://icity.bcu.ac.uk/celt/centre-for-academic-success

Additional assignment advice can be found here: https://libguides.bcu.ac.uk/MA

Fit to Submit:

Are you ready to submit your assignment? Review this assignment brief and consider whether you have met the criteria. Use any checklists provided to ensure that you have done everything needed.