

Assignment / Assessment Specification

Module		
Title Databases 2	Lecturer Patricia O'Byrne	Class group DT211C/3, DT282/3, DT228/3
Assignment		
Name MongoDB	Worth: 7% of module	Due date/time See BrightSpace
Submission mechanism <i>(Only submit through mechanisms listed here – other submissions will be ignored)</i>	INDIVIDUAL Brightspace submission	Late submission penalty 10% per week for 1 week. No submissions allowed after that.
<p>Description of task:</p> <ul style="list-style-type: none">• Pick a dataset from the list provided by entering your student number and name in the same row. Don't add your name to a row that is already full.• Develop 2 designs for how the data could be stored, using the design advice given in lectures.• Document your designs in a Word document and create and populate collections in MongoDB to show them working. <p>Write MongoDB queries to query your collections. Your queries should show:</p> <ul style="list-style-type: none">• Selection of all documents in a collection, in JSON format.• Selection of embedded array data, based on selection criteria.• Selection showing Projection• Selection with sorted output• Aggregation <p>Write an update for one of your collections (Look this up yourselves).</p> <p>Each student should design their own schemas and all queries must produce a result. Where there is a filter / projection, the result must show a difference from the original document. This work can be done on your own laptop.</p>		
<p>Submission requirement</p> <p>Every student must submit the Word document and all scripts to create, populate and query the document collection(s) to Brightspace.</p>		
<p>Demo requirement</p> <p>Each student must demonstrate their work to the lab supervisor. Failure to do so results in a zero mark.</p>		
<p>Marking scheme:</p> <p>Schema designs and creates: 3 marks Queries: 3 marks, Updates: 1 marks</p>		