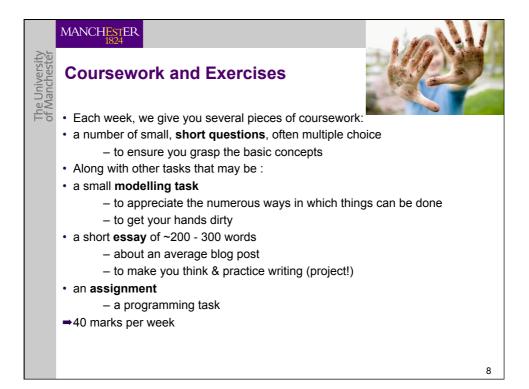


MANCHESTER The University of Manchestel **Coursework and Exercises** Ontology Development is a practical discipline, and the assessment of the unit includes significant practical work. All work is distributed and collected through Blackboard - always retain a copy of your work elsewhere! - backup! Marks & feedback are distributed through Blackboard We encourage you to use Blackboard's discussion boards - we will even help with questions - don't forget to subscribe! . Lateness - work is generally due one week after assignment i.e., Fridays at 9am - work that is late: marked 0, no late submission



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MANCHESTER

Coursework: The Sushi Ontology



• In addition to the weekly tasks, there is a modelling task that spans the entire course. We will go through steps of ontology building process including the identification of *Competency Questions*, performing *Knowledge Acquisition*, developing the *Formalisation* and *Evaluating* the results.

· The domain for this ontology will be Sushi.

• Ontology building is usually a collaborative process, and this task will be done in small groups (of 3 students).

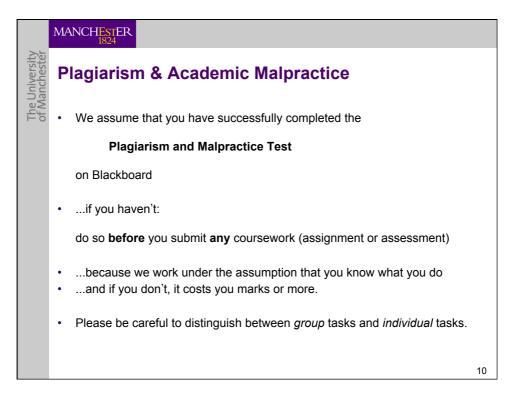
 You have already been allocated to groups (see BB), although formal group work does not begin until Week 2.

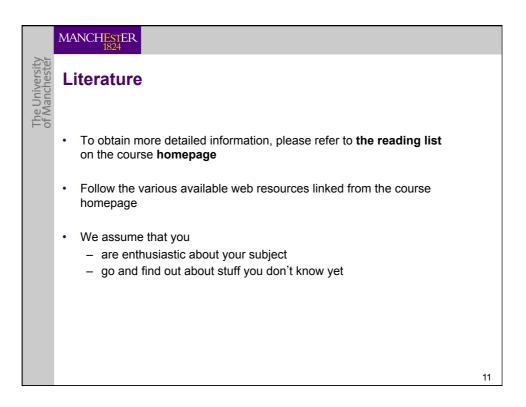
• Following the development of the ontology, you will be asked to provide an evaluation of two ontologies from other groups.

- You will be assessed on how well you have performed this evaluation process, but the results of *your* evaluations will **not** contribute towards assessment of the other ontologies.

 You will also be required to provide individual reports discussing your ontology and the process that you went through in developing it.

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26/04/17

MANCHESTER

Roadmap

The University of Manchester

- Week 1 Motivation, intro to KR. Practical introduction to OWL and Protégé
- Week 2 Knowledge Acquisition. Formalising Definitions. Formal Semantics.
- Week 3 Patterns. Modelling using roles. Reasoning.
- Week 4 Programmatic manipulation of ontologies with the OWL API. More reasoning.
- Week 5 Case studies. SKOS. Linked Data.

Schedule

- Morning Lectures
- Afternoon Practicals
- TA Support on Tuesday afternoons



