Undergraduate Programmes - Individual Post-Module Assessment Report

Module code, initials and date: WM264, Jianhua Yang, 23 December 20

Name of marker: Jianhua Yang

Awarded Mark (please note that this does not include late penalties, which will be applied to the mark in Tabula)
53

NOTE: The mark recorded is subject to review by the Board of Examiners.

Please note: while each PMA is marked against assessment criteria that are specifically designed to evaluate that assignment, the descriptors listed on the following webpage will help you to interpret the mark awarded to your work:

https://warwick.ac.uk/services/aro/dar/quality/categories/examinations/marking/ug2017/

Module Learning Outcomes

The tutor has indicated below if you have achieved the module learning outcomes. They can be "Met", "Partially Met" and "Not Met".

Learning Outcome	Status
Know the role of data management systems in managing organisational data and information, and use a high-level language to create user interface for accessing data from DBMS.	Met
Describe the logical and conceptual data modelling, make entity relationship model for incorporating system and user requirements.	Met
Identify the data redundancy problems and update anomalies, apply data normalization techniques to combat the data redundancy problem.	Met
Use analytical and critical thinking skills to technology solutions development, analyse and apply structured problem-solving techniques to complex systems and situations	Met

Please note: some module learning outcomes may be addressed by other assessments or in-module work.

Individual Comments

The tutor has provided specific comments on your work below and they may have provided an annotated script.

Strengths & Areas for Improvement
Some good attempts at requirement gathering and data modelling. Good background discussion. However, there was a misunderstanding of data modelling and relational database normalization. Security measures were limited to roles and triggers etc.

How to improve
Could try to clarify that Figure 5 was intended for data modelling, explain functional dependencies in the data in Figure 6 and hence justify the normal form of the database. Could implement security measures on the database server configuration.

Document structure, grammar, referencing
The overall structure of the report was clear. However, it contained some errors e.g. python normally spells Python. Also, confidential information such as in Figure 2 should not be included -- could use a JIRA demo screenshot instead.

Anything else

	0 – 40%	41 – 60%	61 – 80%	81 – 100%
Data Modelling	Little consideration of data modelling.	Some good attempts at theoretical data modelling using ER diagrams. However, it contains some errors. ✓	Good use of data modelling language and diagrams. Design choices are well justified.	Able to use object-oriented data modelling theories to guide modelling practice. Successfully fit data modelling with features in the datasets.
Database Design	Poor database design, little considerations of functional dependencies.	Some considerations on normalization. However, design choices are not well justified. ✓	Some measures are in place for improving security and performance.	Very Good use of normalization. Able to justify design choices using math notations. Advanced features for improved security and performance.
Problem-solving	Little evidence of problem-solving skills.	Some considerations of requirement gathering, functional/non-functional requirements. However, not able to link them with database design. ✓	Good project planning with well-defined deliverables and milestones.	Able to use test cases and scenarios. Able to learn and summarize for future improvements.
Report	The report contains lots of grammar mistakes and is difficult to follow.	The report makes use of illustrations and references, however it contains some errors. ✓	The report is clearly structured and well written with little mistakes.	Covers different aspects of the project, with thorough discussions and appealing visual presentation.