

SWINBURNE UNIVERSITY OF TECHNOLOGY

FACULTY OF BUSINESS AND ENTERPRISE

INF30010/INF80037 Database Administration
Assignment 2 – Database Design (ACE Horizons– System Requirement)

Date Due: 10.00pm on 19th October 2015

Assessment: 20% of total assessment

The assignment is to be done in teams of 1 to 2. All members of the team must submit the assignment on Blackboard with both group members details listed.

Requirements:

“Ace Horizons” case study sets out the business requirement for a sales system.

The assignment is to prepare a document in due form which sets out the database-specific parts of the Architecture for the system.

You may assume that the full Architecture document would be developed between yourself, as DBA, and a Design/ Development Architect. For context, you may assume that the system would be implemented as servlets and session beans and hosted on a WebLogic application server. The application server would use an Oracle database as its Data Source.

*** PASS LEVEL***

The Architecture document must have a logical structure and must use a template similar to that used to describe the case study. The Architecture document must accurately cross-reference the Requirements document, or any other information resource used, in support of any assumptions made. The essential content and scope is described in the Requirements document.

***CREDIT LEVEL* (You must complete all of the pass requirements before attempting the following):**

The document should explain how the replication to the secondary data store will meet the requirement for an acceptable terminal response time for users of the system.

The document should explain how the datawarehouse will be populated incrementally each night without requiring an interruption to transaction processing.

***DISTINCTION / HIGH DISTINCTION LEVEL* (You must complete the pass standard requirements, then the credit standard requirement before attempting the following):**

All the assertions made in the document must be justified with calculations and the steps in the calculations must be explained.

You may find it convenient to submit your calculations in an appropriately annotated spreadsheet. If you do so, it must be attached with your assignment and appropriately cross-referenced within the main Architecture document.

Submission Requirements:

ALL components must be placed in a ZIP File and submitted through Blackboard. Please note that it is YOUR responsibility to ensure that the ZIP file is valid. If the zip file cannot be opened then your assignment cannot be marked.