

STUDENT

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GRADE 54%

Task 1

OLTP v. DW OLTP systems can be used for 'on the fly' reporting, it's just slower than we would like. Some basic ideas covered, but this needs more focus.	10	5.5
DW Architecture A couple of good examples. It would have been good to show the RR source systems in figure 1 rather than the generic model. Basic ideas are here, but it needs more detail linked to the process relating to RR operations	20	12
Data Marts Again, the diagrams should reflect the RR case study. Top down or bottom up is an implementation issue, not something you'd discuss in a high-level description like this. What about the security implications of using data marts? Basics are covered but more relevant detail is required.	10	5
Normalised v. Dimensional Generally third normal form is used for a normalised database. Figure 4 is good. What are the advantages of using a star schema form? You should explain the term 'star schema' somewhere here as this is the standard for a dimensional structure.	10	5.5
TOTAL	50	28

Task 2

Source Systems Good set of source systems, although the list of advertisers is likely to be an internal source rather than an external one.	5	4
Star Schema The two stars are appropriate, but they are not detailed enough to describe all of RR's operations. How do you handle DJs and requests, for instance? There should be metadata for each table, and aggregate data for each fact.	25	15
Data Marts Good justification of some design decisions for data marts, but not all of the important data marts are mentioned.	10	5.5
ETL The ETL plan should include all tables in the DW.	10	1.5
TOTAL	50	26