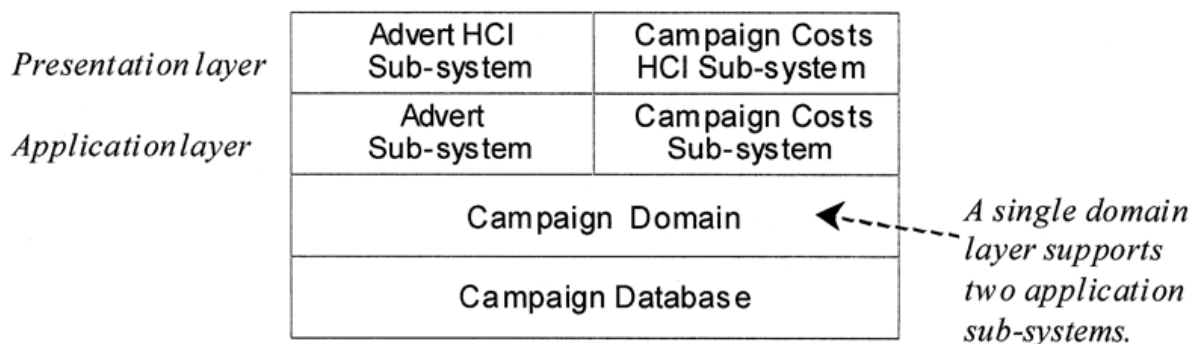


# Information Systems Analysis & Design (M8748)

## Tutorial 13

1. Why is an open layered architecture more difficult to maintain?
2. What are the disadvantages of the closed layer architecture?
3. What advantages would there be if the Advert HCI sub-system in the figure were designed to have direct access to the Campaign Database layer?



4. What are the main differences between the MVC architecture and the layered and partitioned architecture?
5. Explain how the update propagation mechanism works in the MVC architecture.
6. In what sense does a broker decouple two sub-systems that need to communicate with each other? How does this work?
7. Why is it sometimes necessary to design information systems that have explicitly concurrent behavior?
8. What ways are there of simulating concurrency in the execution of a system?
9. How should you go about allocating system tasks to processors?
10. What facilities are typically offered by a DBMS??