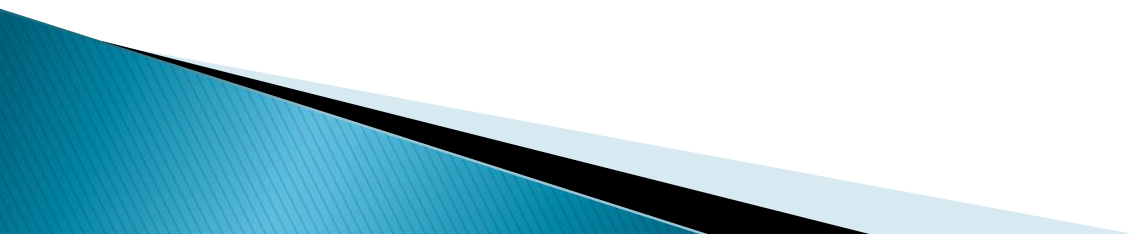


Database

Architectures and the

Web, Chapter 3



Client-Server Architecture - 2 Tier (page 60)

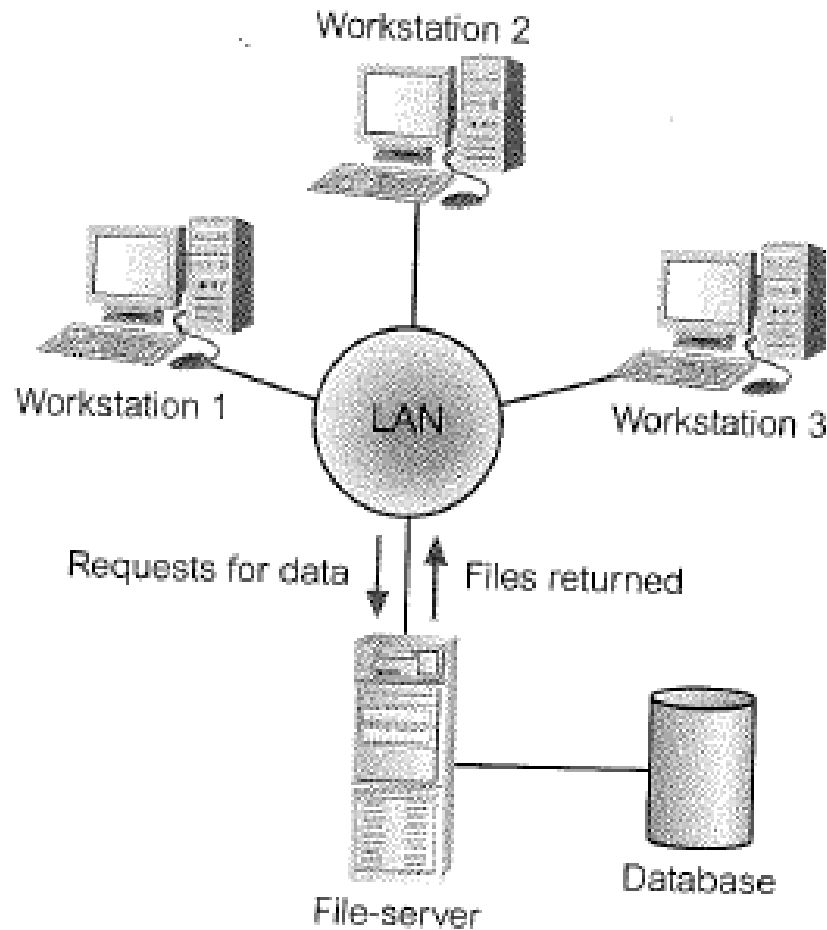
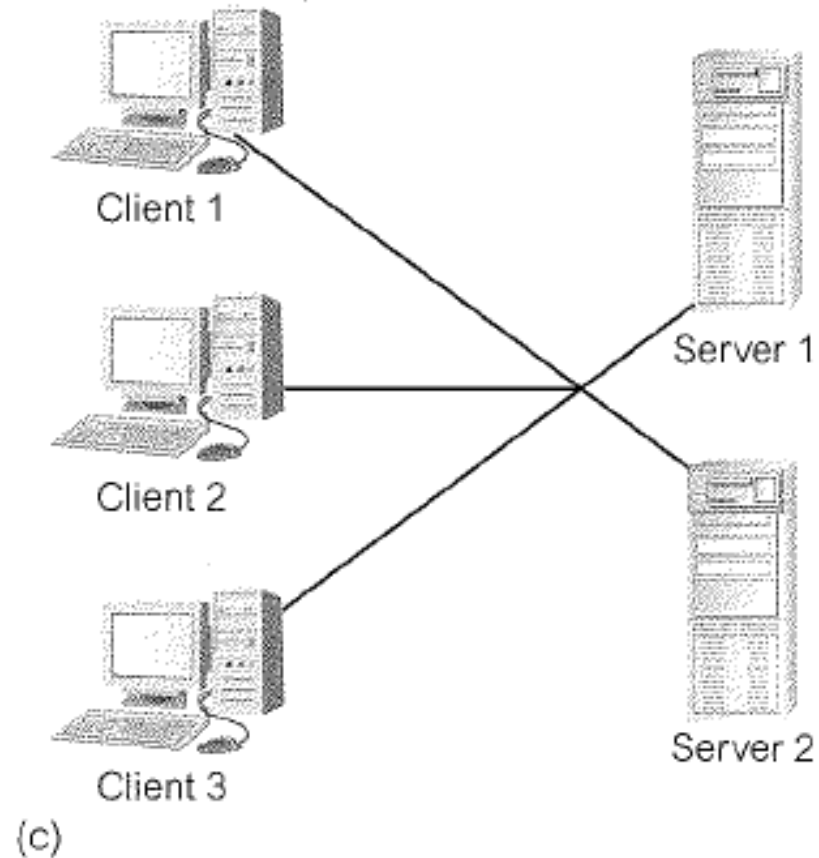


Figure 3.2
File-server
architecture.

Client-Server Architecture - 2 Tier, Multiple Clients and Multiple Servers(page 61)



Client-Server Architecture - 3 Tier (page 63)

First Tier

Client



Tasks

- User interface

Second Tier

Application server



Tasks

- Business logic
- Data processing logic

Third Tier

Database server



Tasks

- Data validation
- Database access



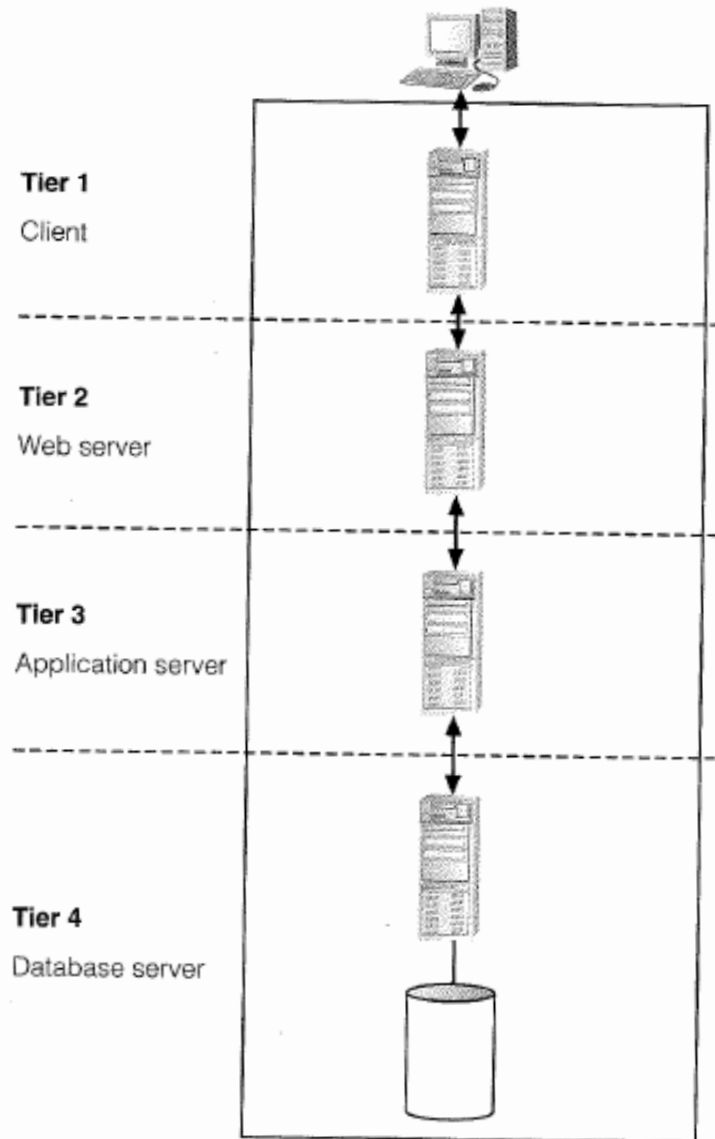
Figure 3.6

The three-tier architecture.

Client-Server Architecture - 4 Tier (page 64)

Figure 3.7

Four-tier architecture with the middle tier split into a Web server and application server.



Google Maps Embed API

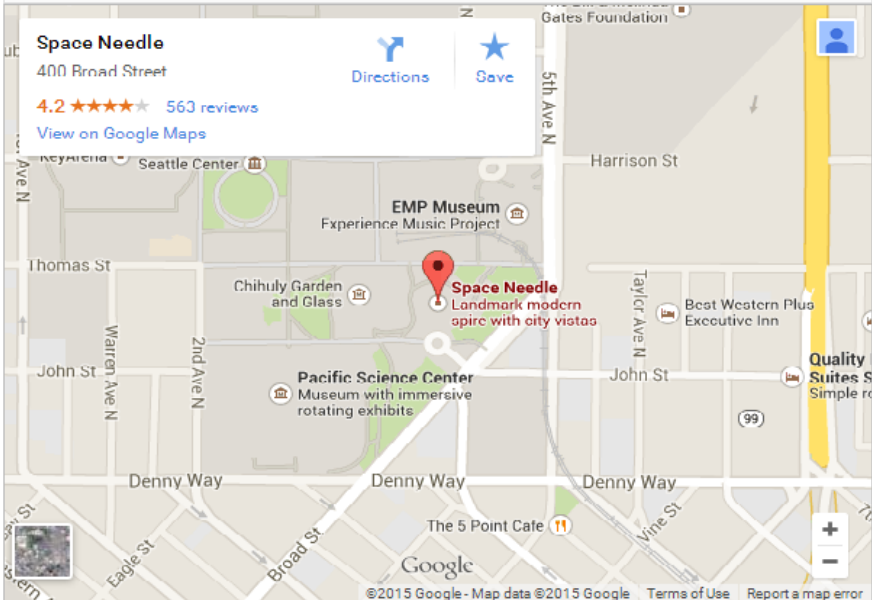
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```
<iframe
width="600"
height="450"
frameborder="0" style="border:0"
src="https://www.google.com/maps/embed/v1/place?key=API_KEY
&q=Space+Needle,Seattle+WA">
</iframe>
```



Space Needle
400 Broad Street
4.2 ★★★★★ 563 reviews
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Directions Save

EMP Museum
Experience Music Project

Chihuly Garden and Glass

Pacific Science Center
Museum with immersive rotating exhibits

Space Needle
Landmark modern spire with city vistas

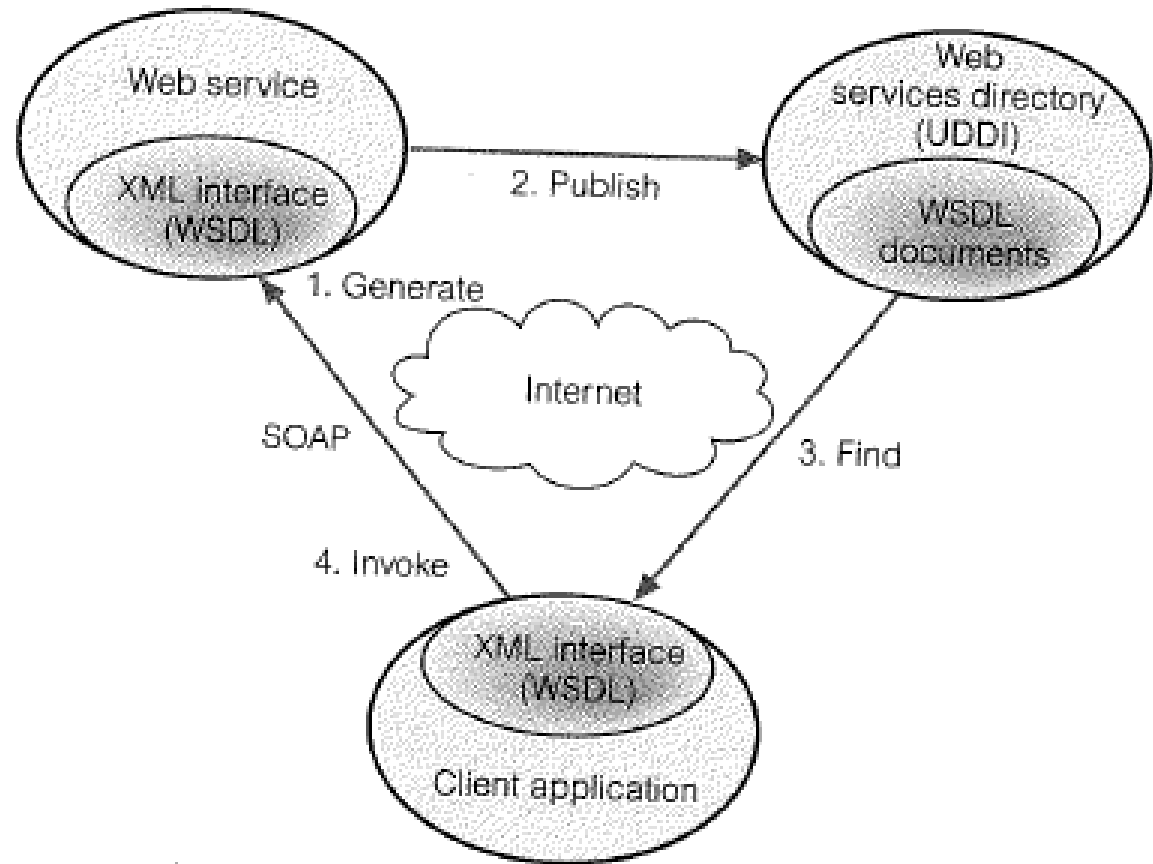
Best Western Plus Executive Inn

Quality Suites Simple

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Relationship Between WSDL, UDDI, and SOAP (page 70)

Figure 3.9
Relationship
between WSDL,
UDDI, and
SOAP.



Traditional Versus Service-Oriented Architecture (page 71)

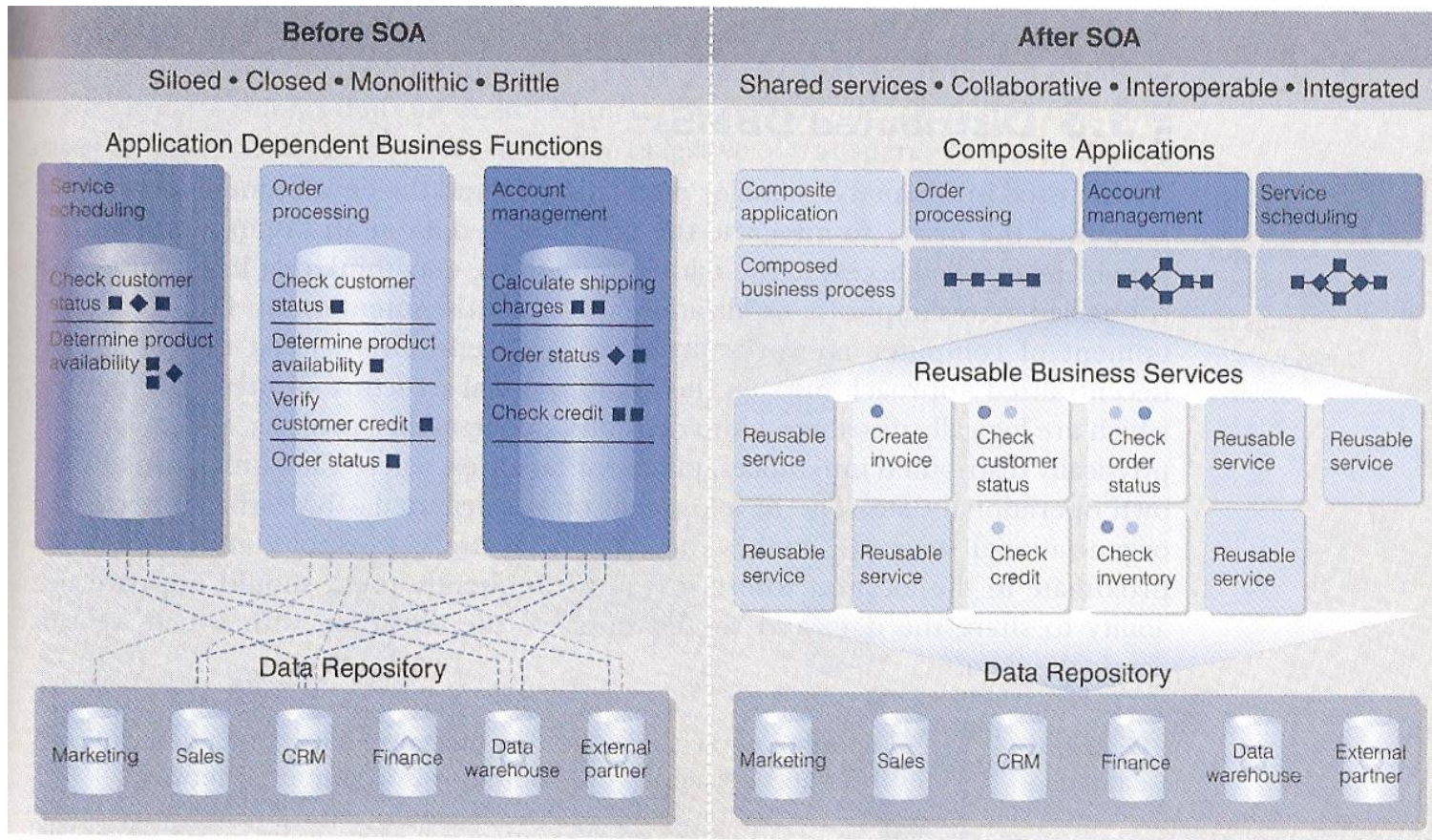


Figure 3.10 (a) Traditional IT architecture for three business processes; (b) service-oriented architecture that splits the processes into a number of reusable services.

Services of DBMS (pages 50–54)

Services typically provided by a DBMS:

1. Data storage, retrieval and update
 2. User-accessible catalog
 3. Transaction support
 4. Concurrency control
 5. Recovery
 6. Authorization
 7. Support for data communications
 8. Integrity
 9. Data independence
 10. Utilities – importing, monitoring
- 

Components of a DBMS (page 77)

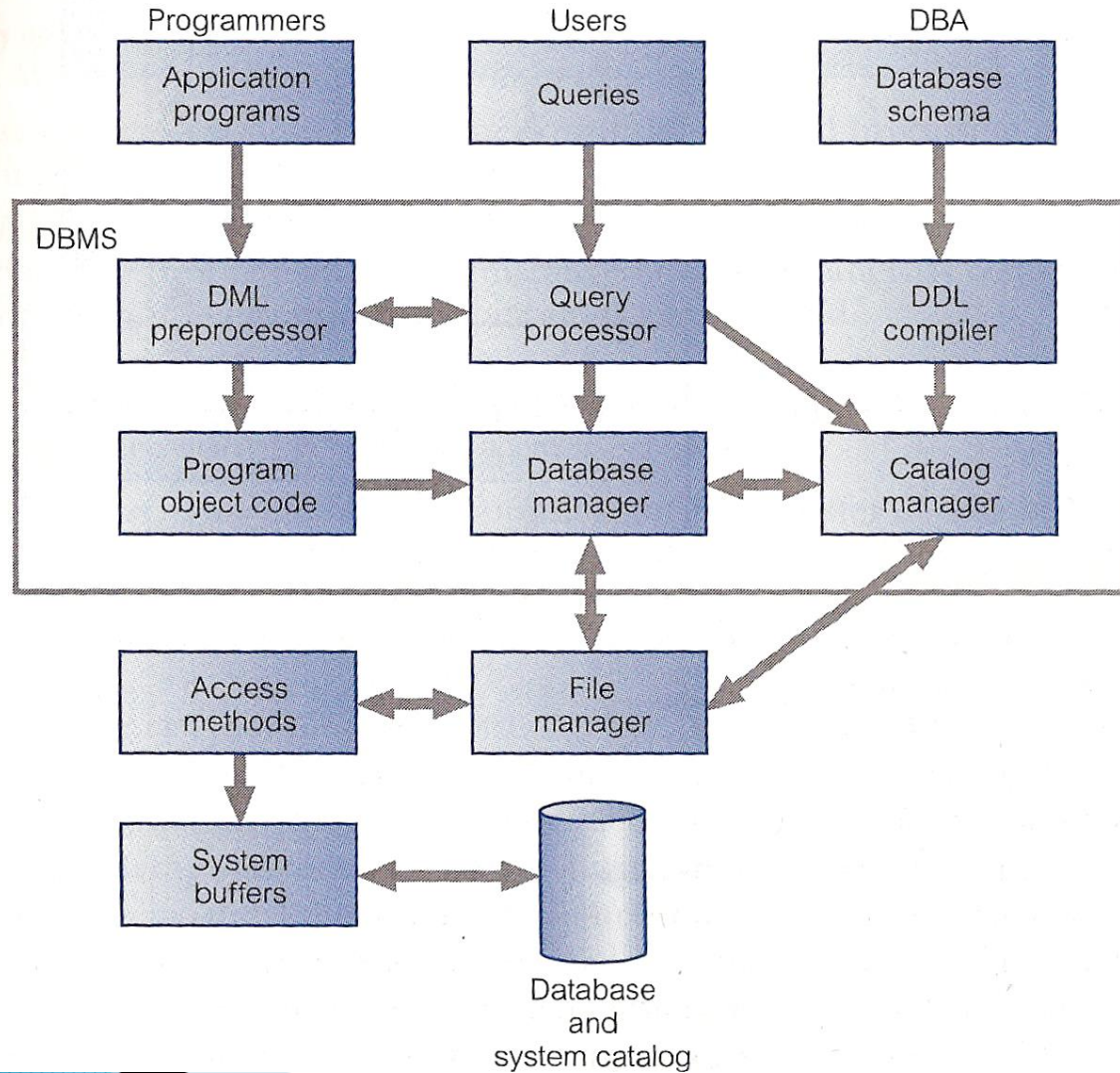


Figure 3.14
Major components of a DBMS.

Components of a Database Manager (page 78)

Figure 3.15
Components
of a database
manager.

