IT6601-Mobile Computing

UNIT-1 Introduction

Structure of Mobile Computing Applications

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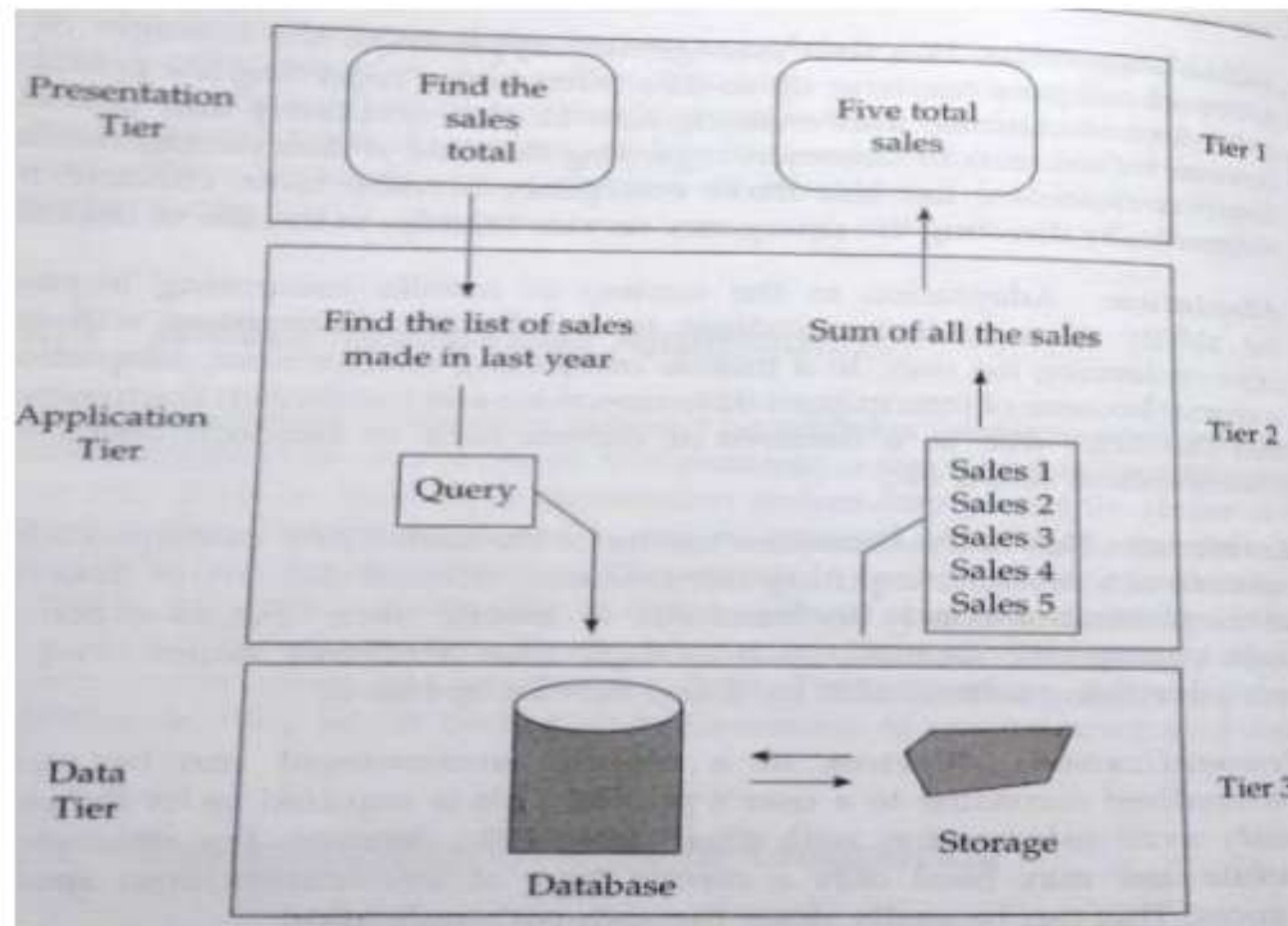
Structure of Mobile Computing (MC) Applications

- MC applications are structured based on there functionality.

- It has 3 tiers:

Presentation (Tier 1)
Application (Tier 2)
Data (Tier 3)

. The three tier structure of the mobile computing applications

Functionalities Provided by each tier structure of a mobile computing application

Presentation tier

- Topmost tier concerns user interface
- Good User interface-Provides way to issue request and responds in a meaningful way.
- Program runs on the client side.
- Needs web browsers, client programs.

Application Tier

- Responsibility of making Logical Decisions and calculations.

- Process data between presentation and data layers.

- Performs processing of user inputs, obtaining information and making decisions.

- This layer is implemented using Java, .NET, cold fusion etc.

- The implementation and functionalities provided by this layer should be database independent.

- Implemented on fixed server.

Data Tier

- Data, Storage, access manipulation.
- Contains a database.
- Information stored and retrieved from the database.
- Small amount of data need to be stored , a file system can be used.
- Implemented on fixed server.

Test your Knowledge 2G,3G, 4G

1) Services offered my mobile computing

   a) Data

   b) Voice

   c) a and b

ssn

Test your Knowledge 2G,3G, 4G

2) Voice Communications And Data Communications

a) Have the packets to arrive in order and they have to take the same short time to transmit

b) Have the packets need not arrive in order and they have to take the same short time to transmit

3) Why Voice Communications are cheap?

4) G stands for in 1G, 2G and 3G?

Test your Knowledge 2G,3G, 4G

5) 1G networks started in

    a) 1980's

    b) 1970

    c) 1990

    d) 2000

6) 1G networks were conceived and designed

    a) data service

    b) voice service

    c) a and b

Test your Knowledge 2G,3G, 4G

7) 2G phone consumes

   a) more power than 3G

   b) Less power than 3G

8) Speed of 2G?

9) Speed of 3g?

10) Speed of 4G?

11) Speed of 5G?

Test your Knowledge
2G,3G, 4G

Reference

http://www.bmedia4tech.com/2013/10/19/110/whats-are-mobile-generations-compare-1g2g3g4g