Distributed Systems

Lesson 4 RMI: Adding the DB Tier

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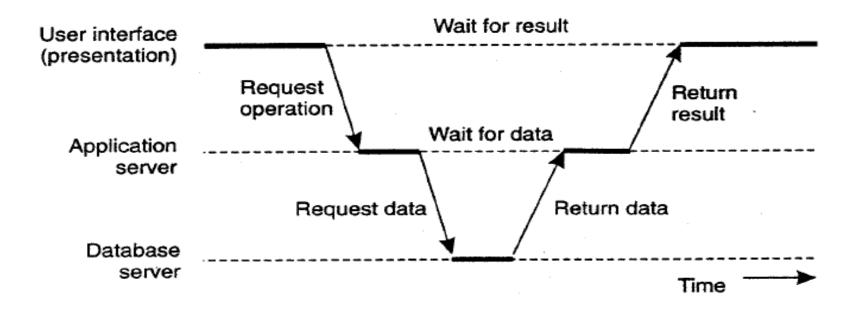
Lesson 4

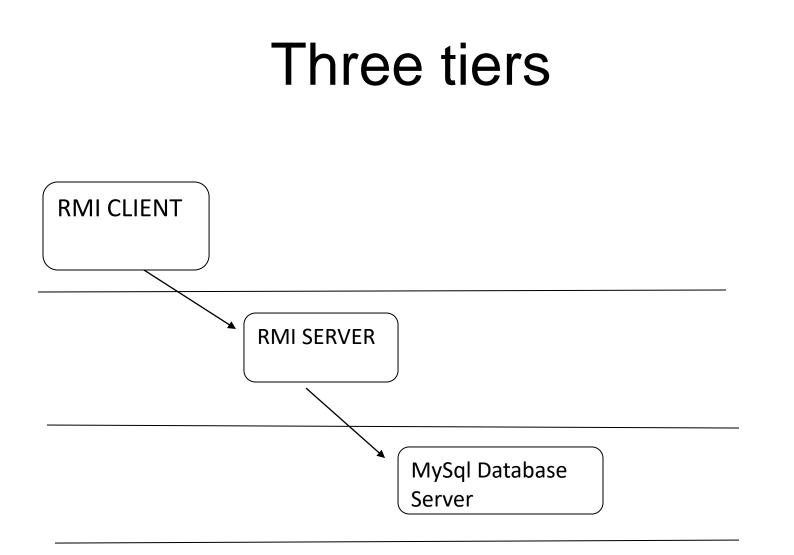
- 01: Introduction
- 02: Architectures
- 03: Processes
- 04: Communication
- 05: Naming
- 06: Synchronization
- 07: Consistency & Replication
- 08: Fault Tolerance
- 09: Security
- 10: Distributed Object-Based Systems
- 11: Distributed File Systems
- 12: Distributed Web-Based Systems
- 13: Distributed Coordination-Based Systems

RMI + Database Server

- Last lesson: how to develop RMI client and server and how to call the server from the client.
- Today: how to introduce the database server and call it from the RMI server.
- Next class: how to develop a GUI for the RMI client and call the RMI server that reads all the bank data from the database server.

Three-tiered Architecture





Practical Session: RMI + Database Server

• Refer to the Lab manual given in class for step-by-step instructions on how to develop your RMI application.

Steps

- Introduction of the database server
- Set up of MySQL
- Creation of database for bank application
- Test program for DB manipulation
- Development of banking application with RMI server and database access.

Readings

- Readings
 - Distributed Systems, Chapter 10
 - Sections 10.3.3 and 10.3.4

• Lab Manual on RMI-3 Tier given in class