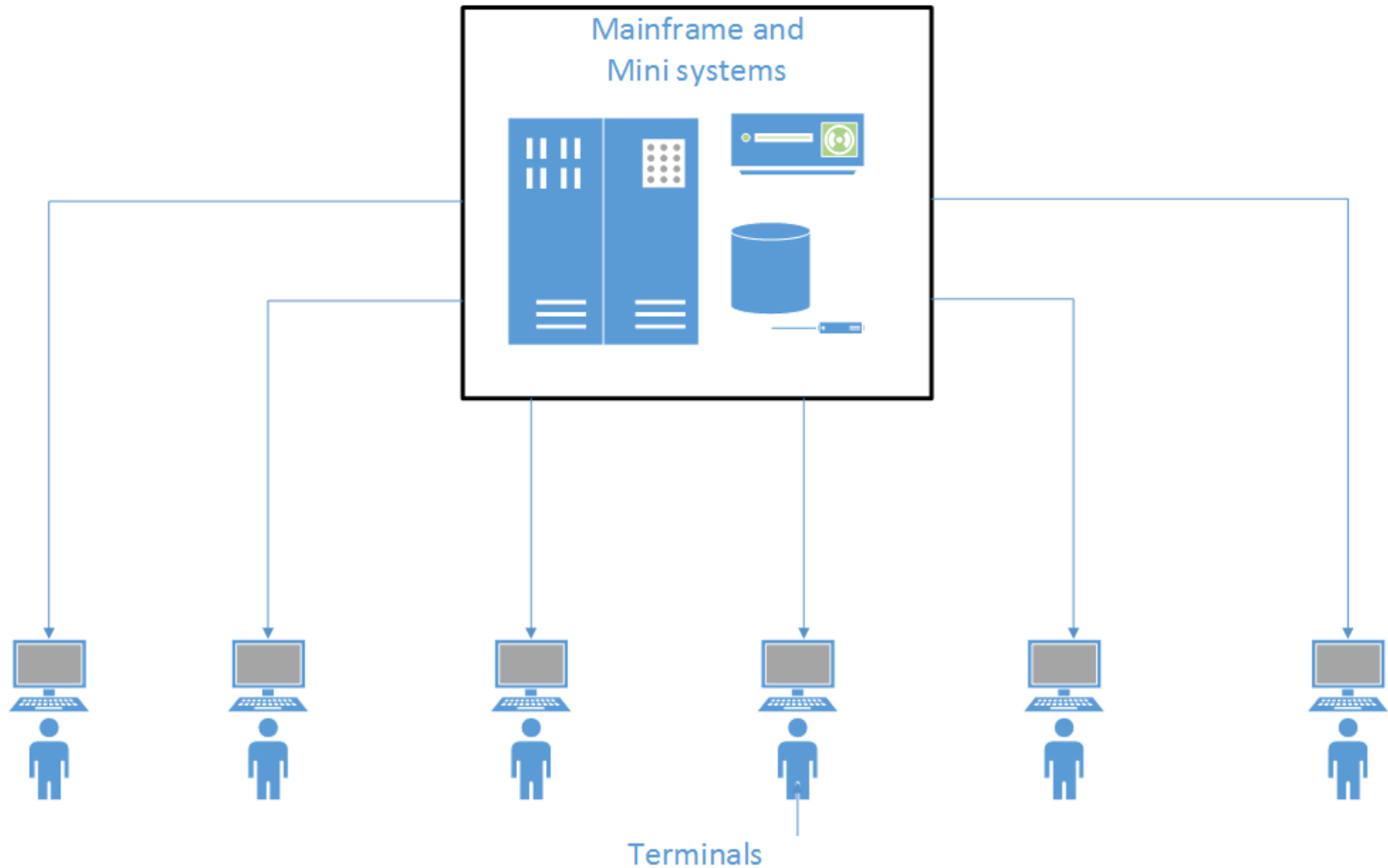


Tiered Computer Application Architectures

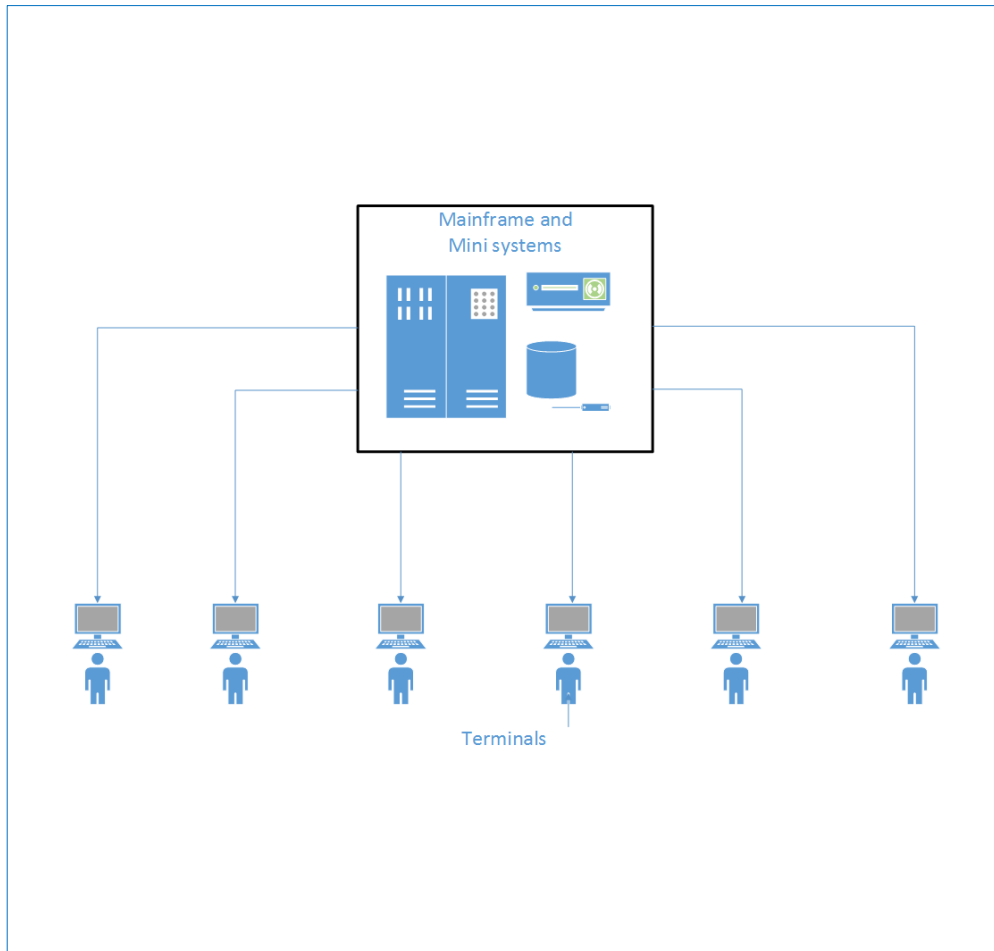
Single Tier

(mainframe and mini systems)



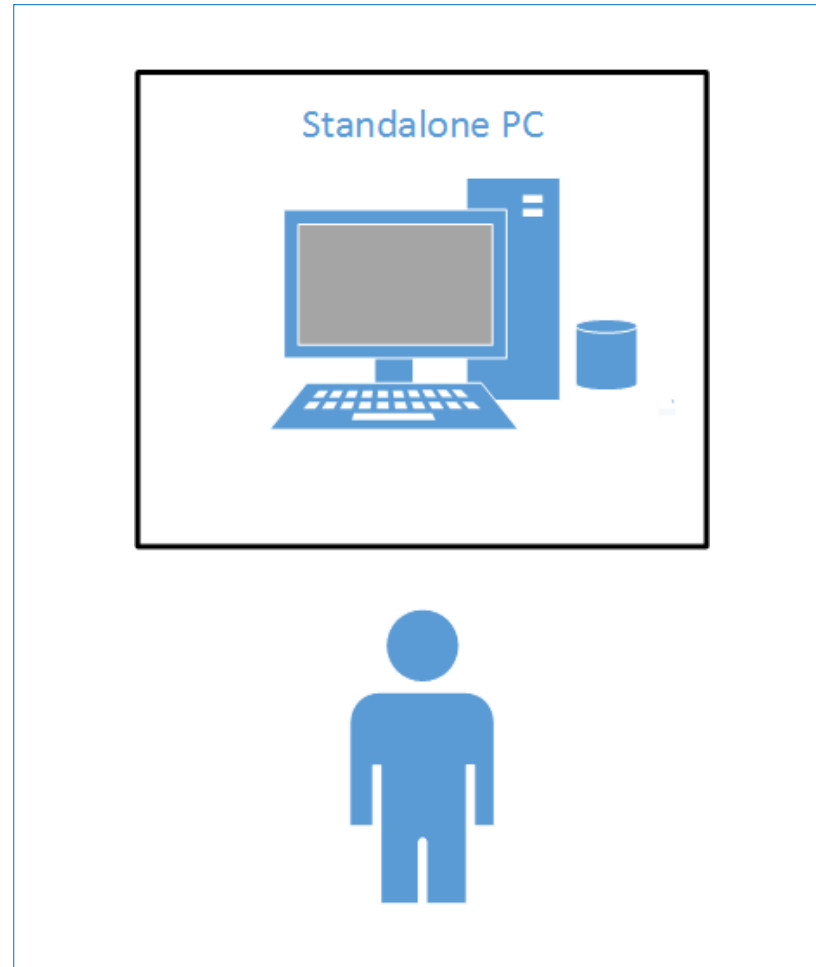
Single Tier

(mainframe and mini systems)



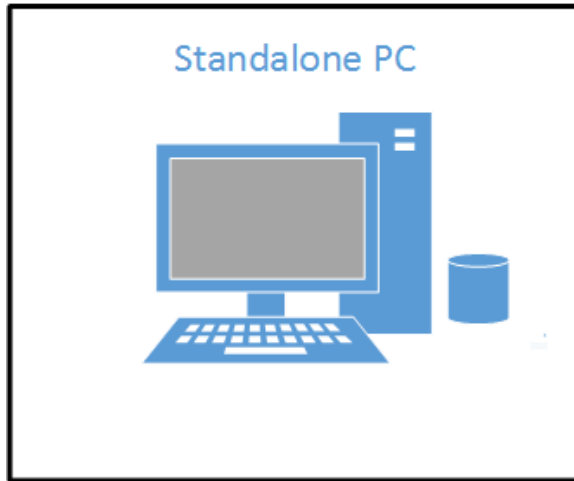
- Centralised
 - Processing
 - Storage
- Distributed
 - Presentation
- Users
 - Multiple concurrent

Single Tier (Personal Computer)



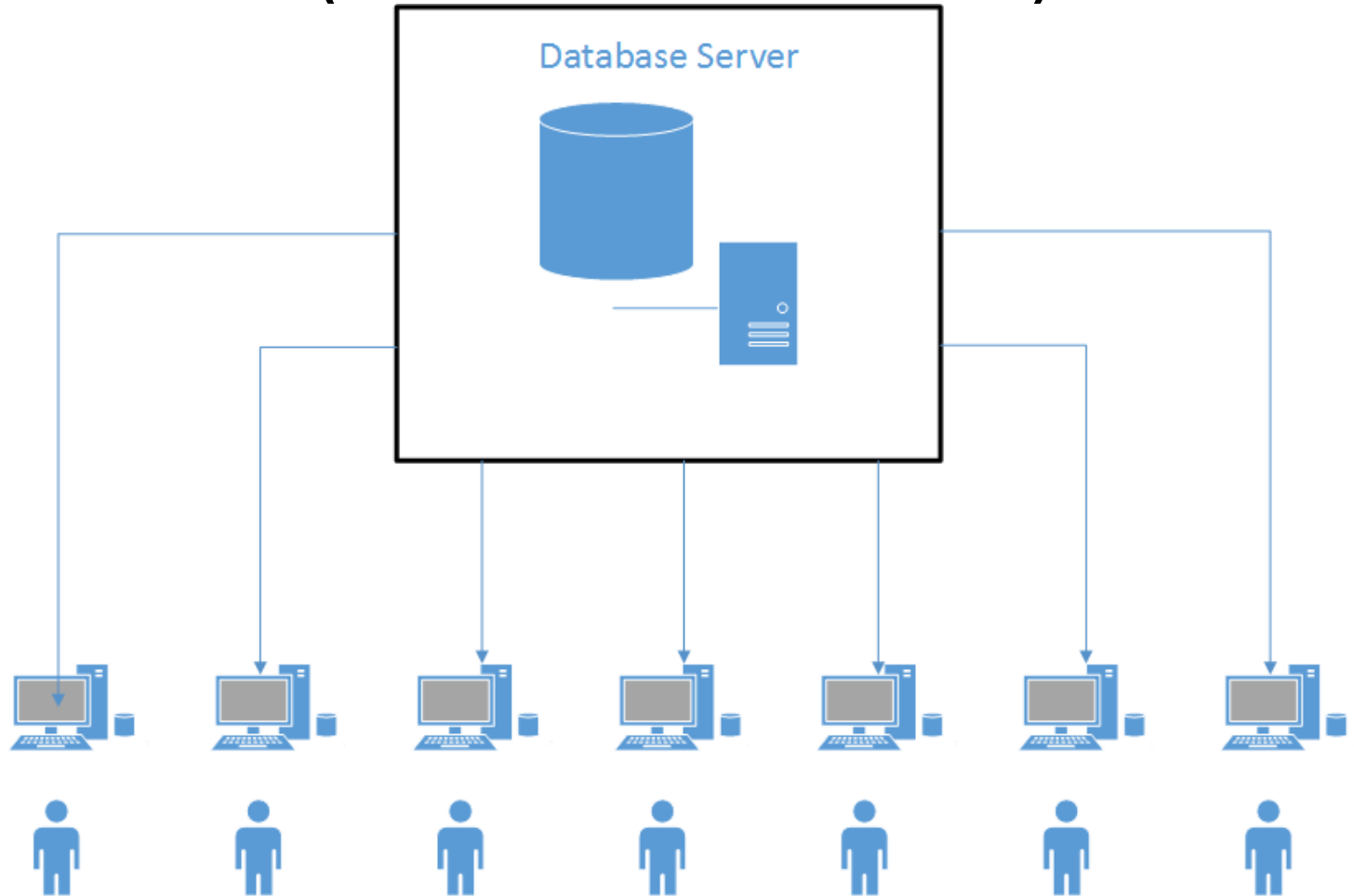
Single Tier

(Personal Computer)



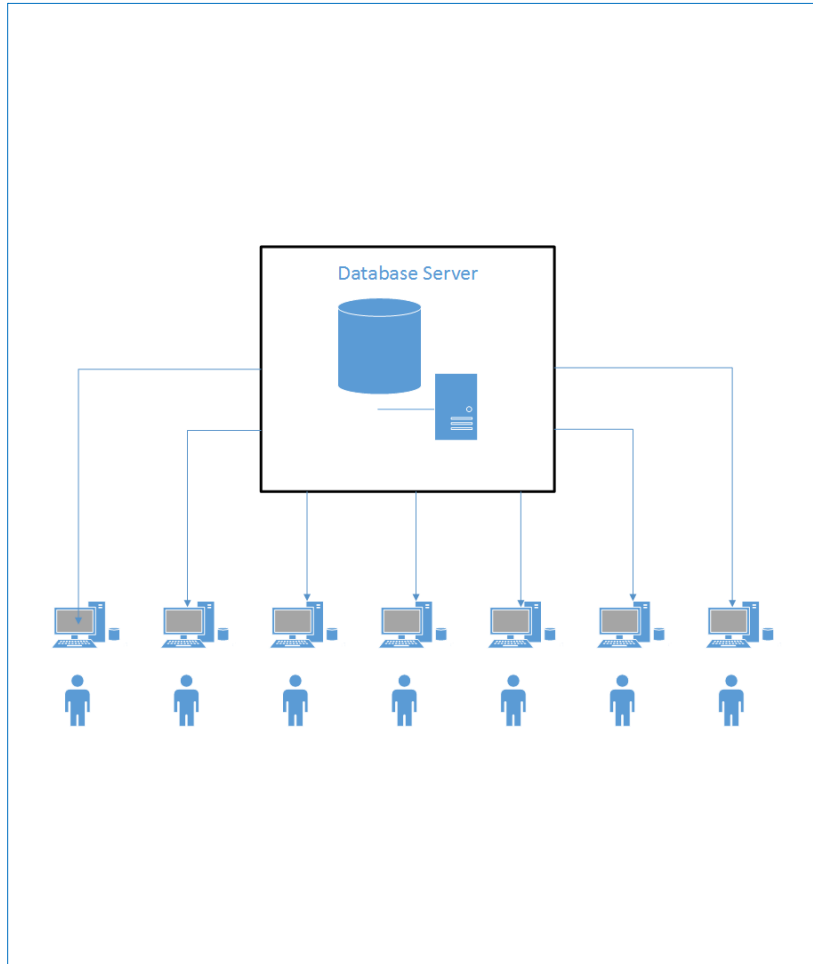
- Centralised
 - Processing
 - Storage
 - Presentation
- Users
 - Single

2 Tier (Shared Database)



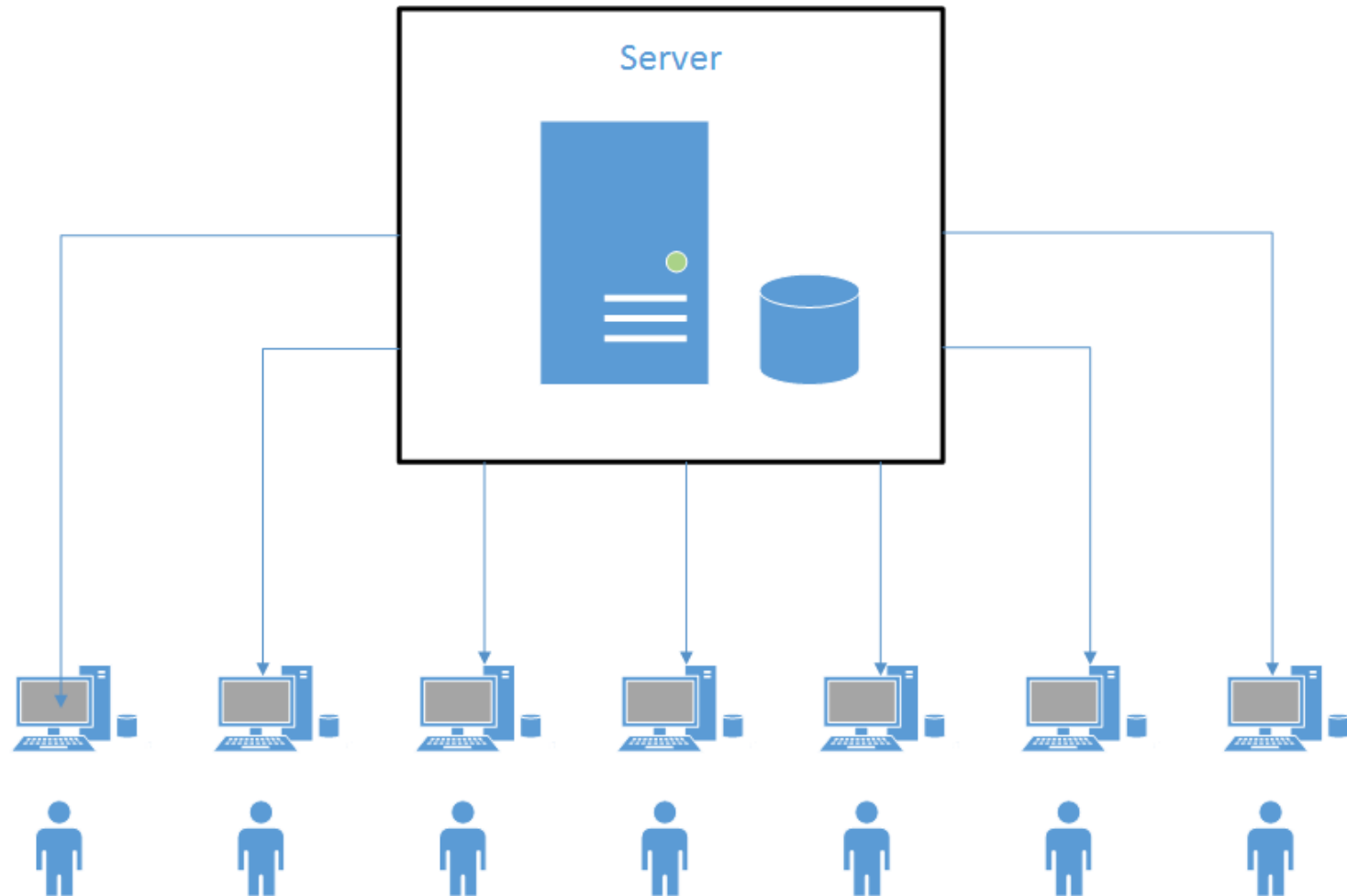
2Tier

(Shared Database)



- Centralised
 - Storage
- Distributed
 - Processing
 - Presentation
- Users
 - Single

2 Tier (Client-Server)



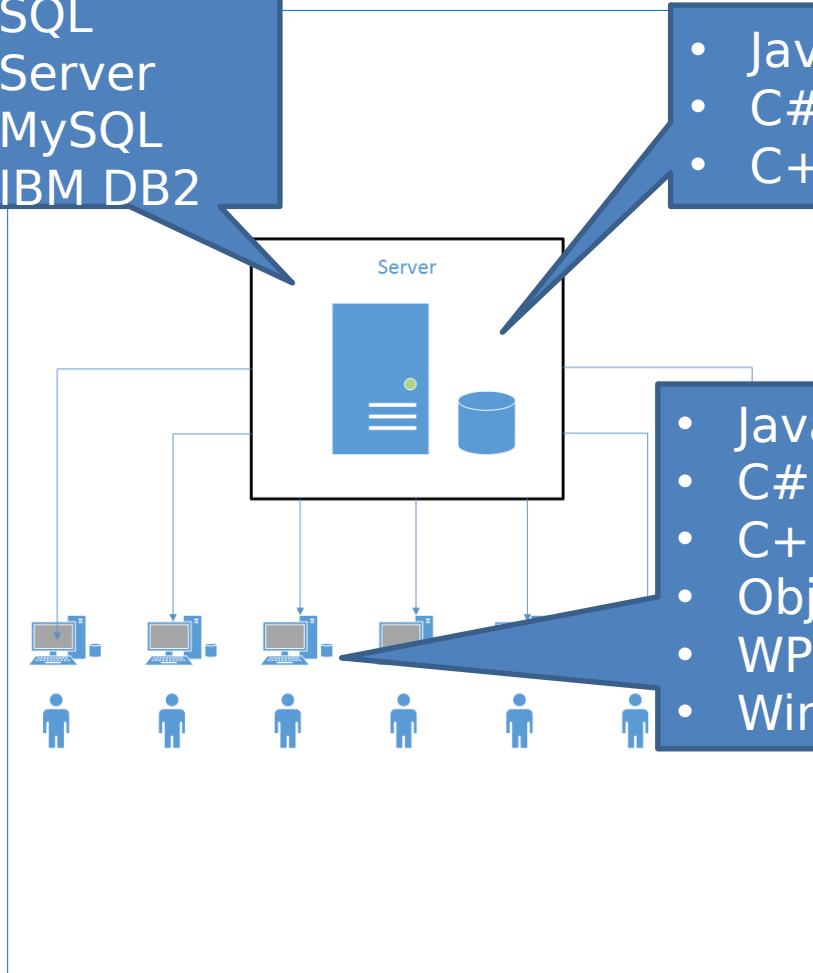
2 Tier (Client-Server)

- Oracle
- SQL Server
- MySQL
- IBM DB2

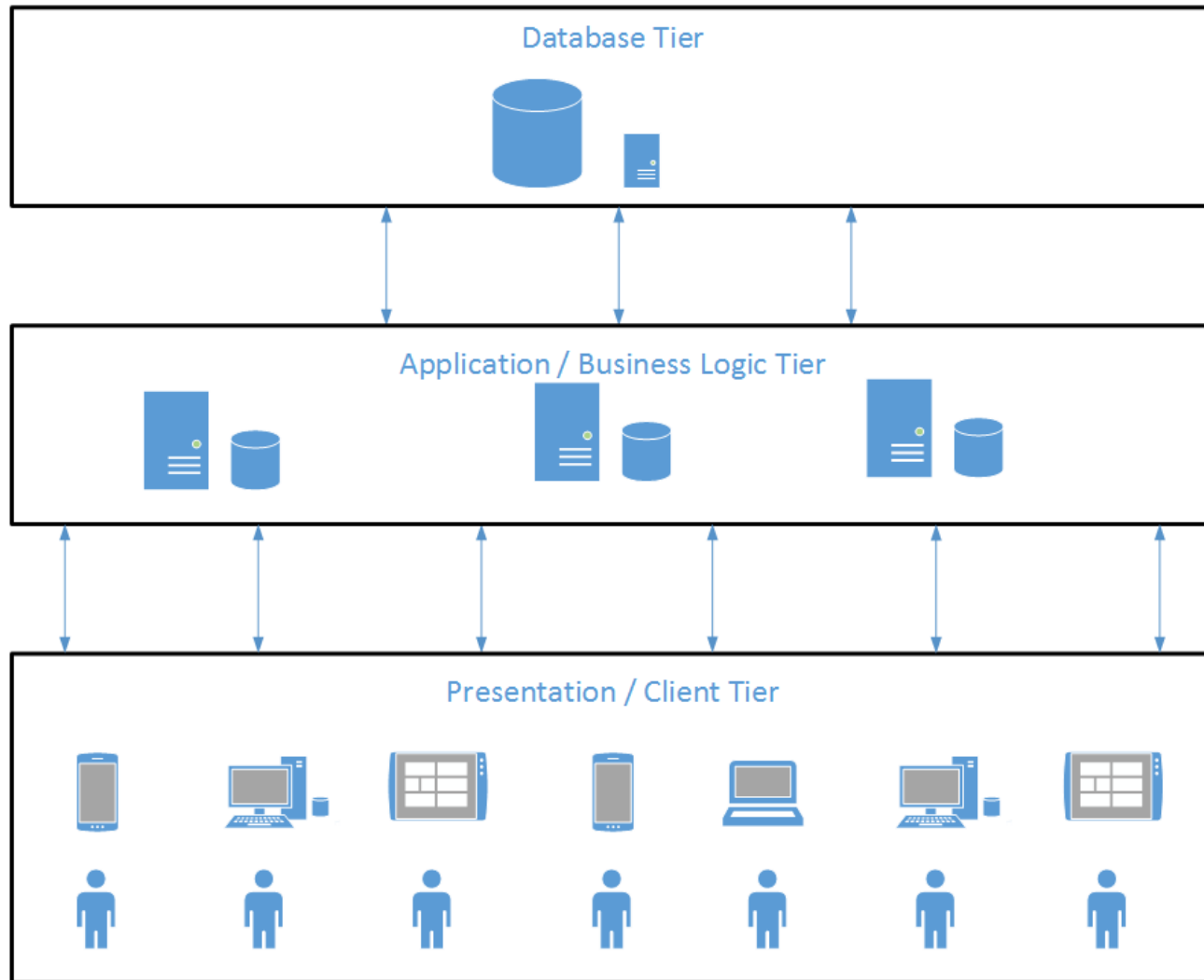
- Java
- C#
- C++

- Java
- C#
- C++
- Objective C
- WPF
- WinForms

- Centralised
 - Processing
 - Storage
- Distributed
 - Processing
 - Storage
 - Presentation
- Users
 - Multiple concurrent



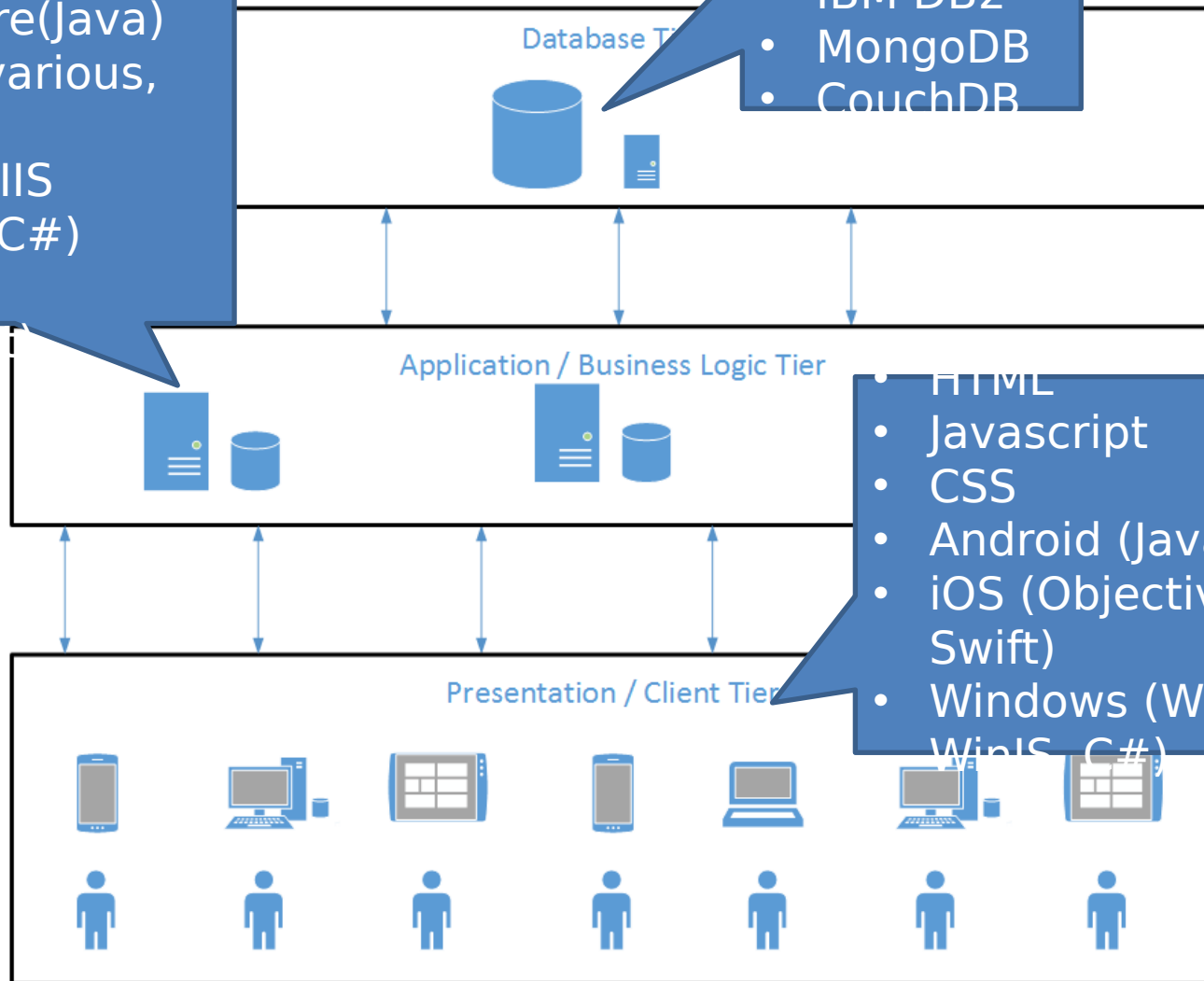
3 Tier



3 Tier

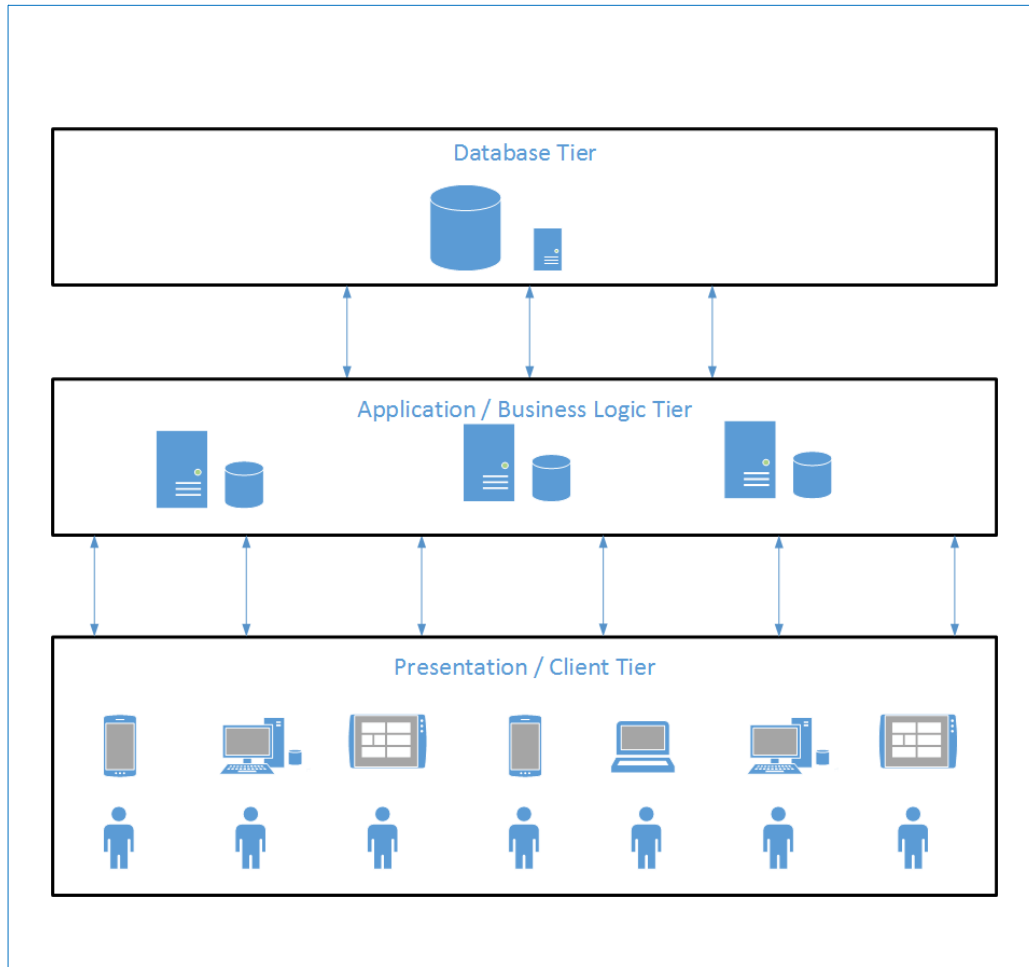
- Oracle
- SQL Server
- MySQL
- IBM DB2
- MongoDB
- CouchDB

- WebSphere (Java)
- Apache (various, PHP)
- Microsoft IIS (ASP.NET C#)
- Node.JS



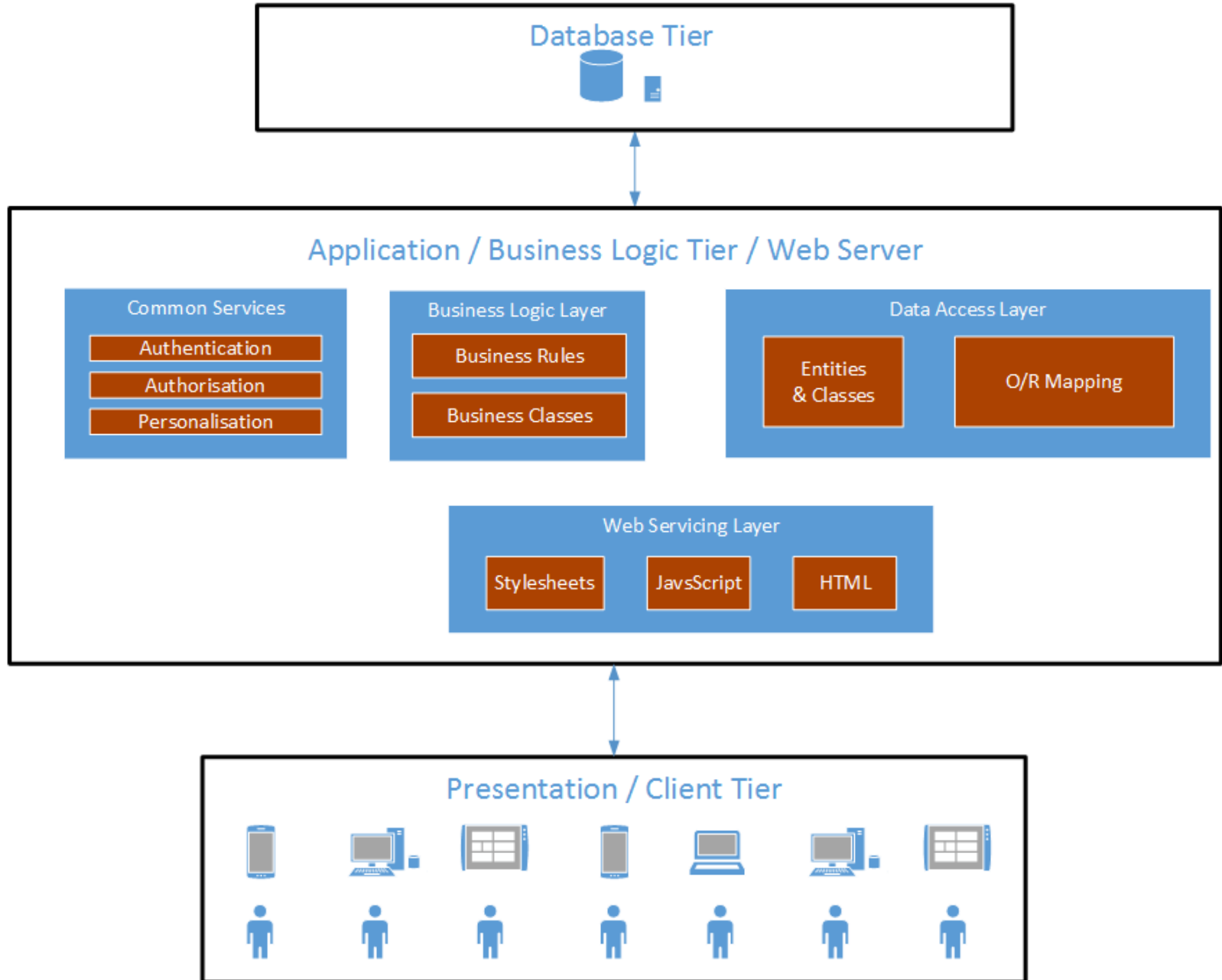
- HTML
- Javascript
- CSS
- Android (Java)
- iOS (Objective C, Swift)
- Windows (WPF, WinIS, C#)

3 Tier

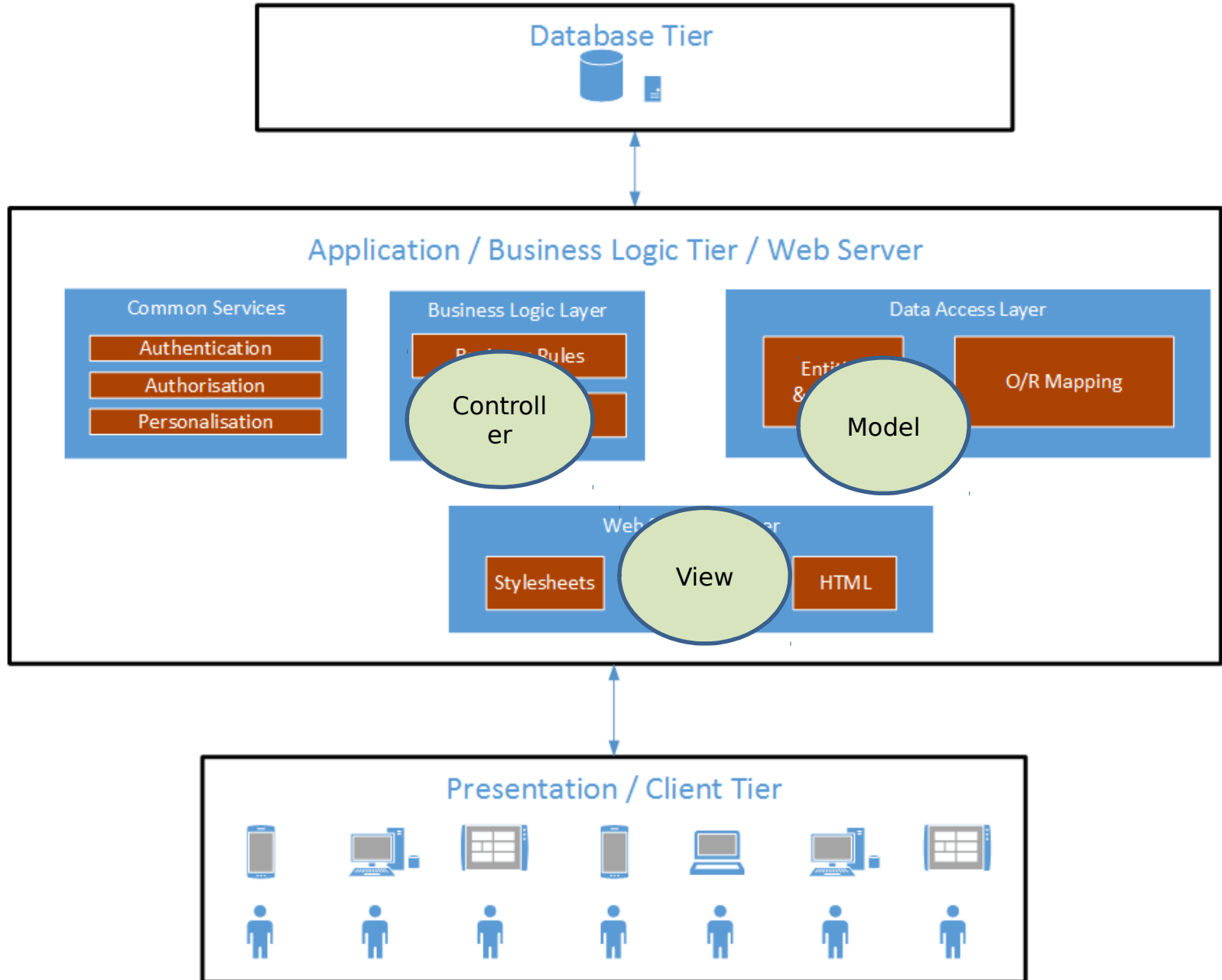


- Centralised
 - Storage
 - Processing
 - Presentation
- Distributed
 - Processing
 - Presentation
- Users
 - Multiple concurrent

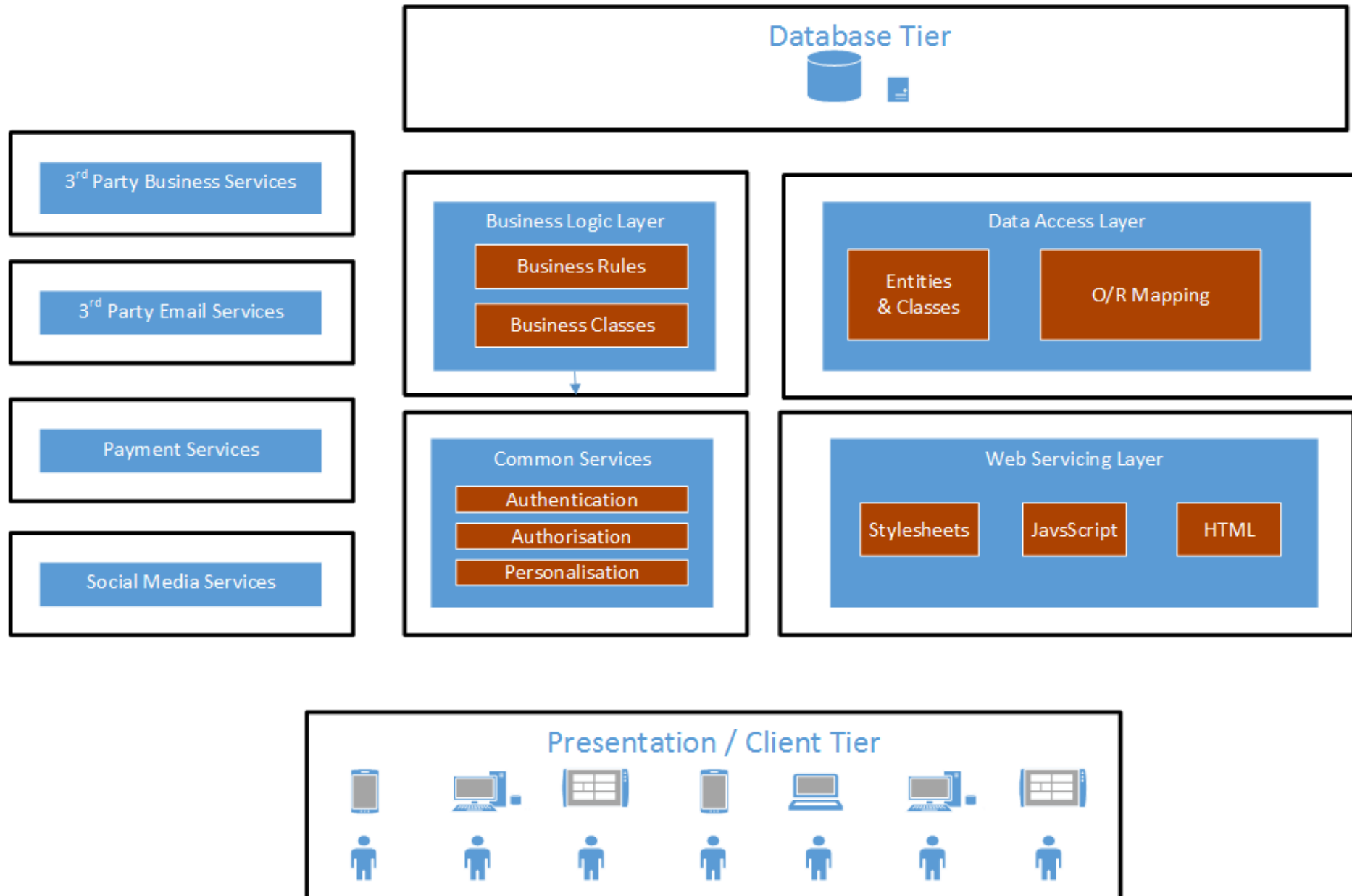
3 Tier - detail



3 Tier - detail



N Tier-detail sample



IBM Reference Architecture Banking

