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MULTITIER ARCHITECTURE

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WHAT IS A MULTITIER ARCHITECTURE





What is Layers?

Five Tier Model for logical separation of concerns

Client Tier

Application clients, applets, apps, and other GUIs

User interaction, UI presentation, devices

Presentation Tier

JSP, Servlets and other UI elements

Single sign-on, session management, content creation, format and delivery

Business Tier

EJBs and other Business Objects

Business logic, transactions, data, services

Integration Tier

JMS, JDBC, Connectors, and Legacy

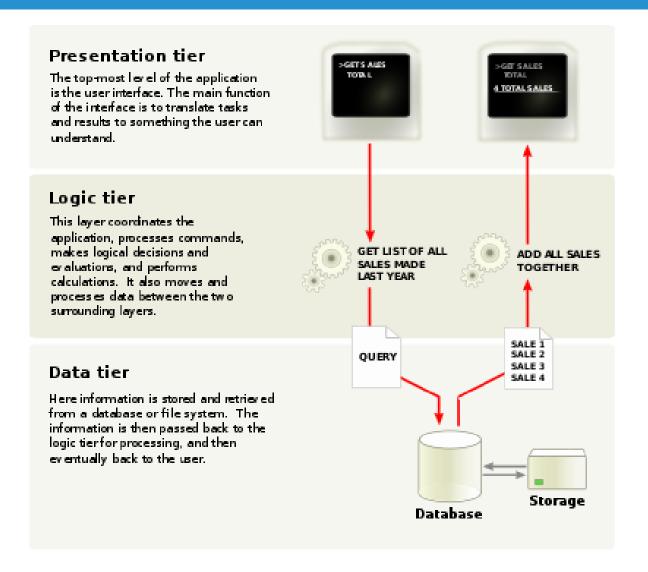
Resource adapters, legacy, external systems, rules engines, workflow

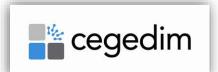
Resource Tier

Databases, external systems, and legacy resources Resources, data and external services



What is Three-tier architecture?



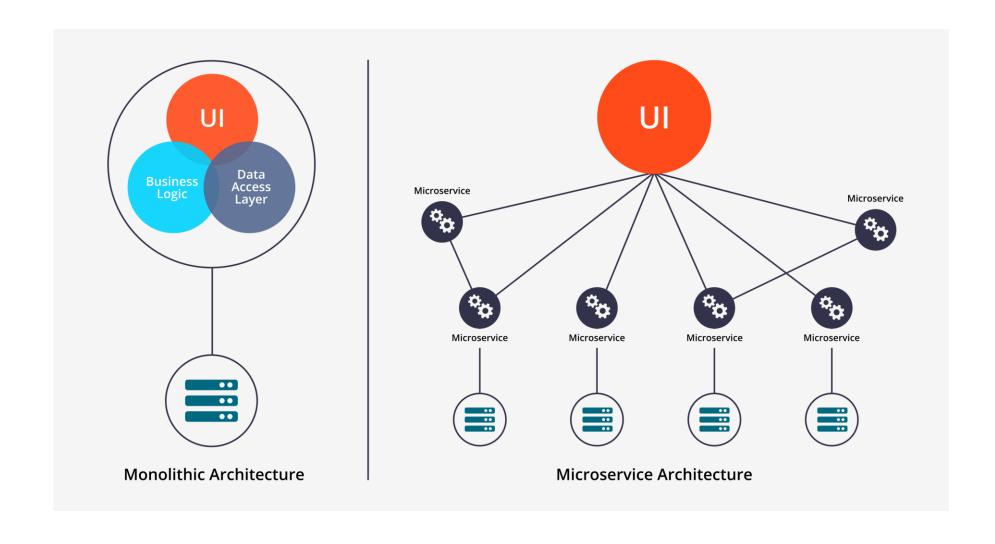


What are the benefits of using N-Tier architecture?

- Scalability and replication
- Ease of development
- Security
- Varity of technology stacks



What are micro-services?





Refrences

- Structuring spring boot projects
- Structuring .NET projects

Demo

Let's see how a project in the real world is structured

 https://github.com/TalaatHarb/patient-managementsystem



Qs & As THANK YOU

