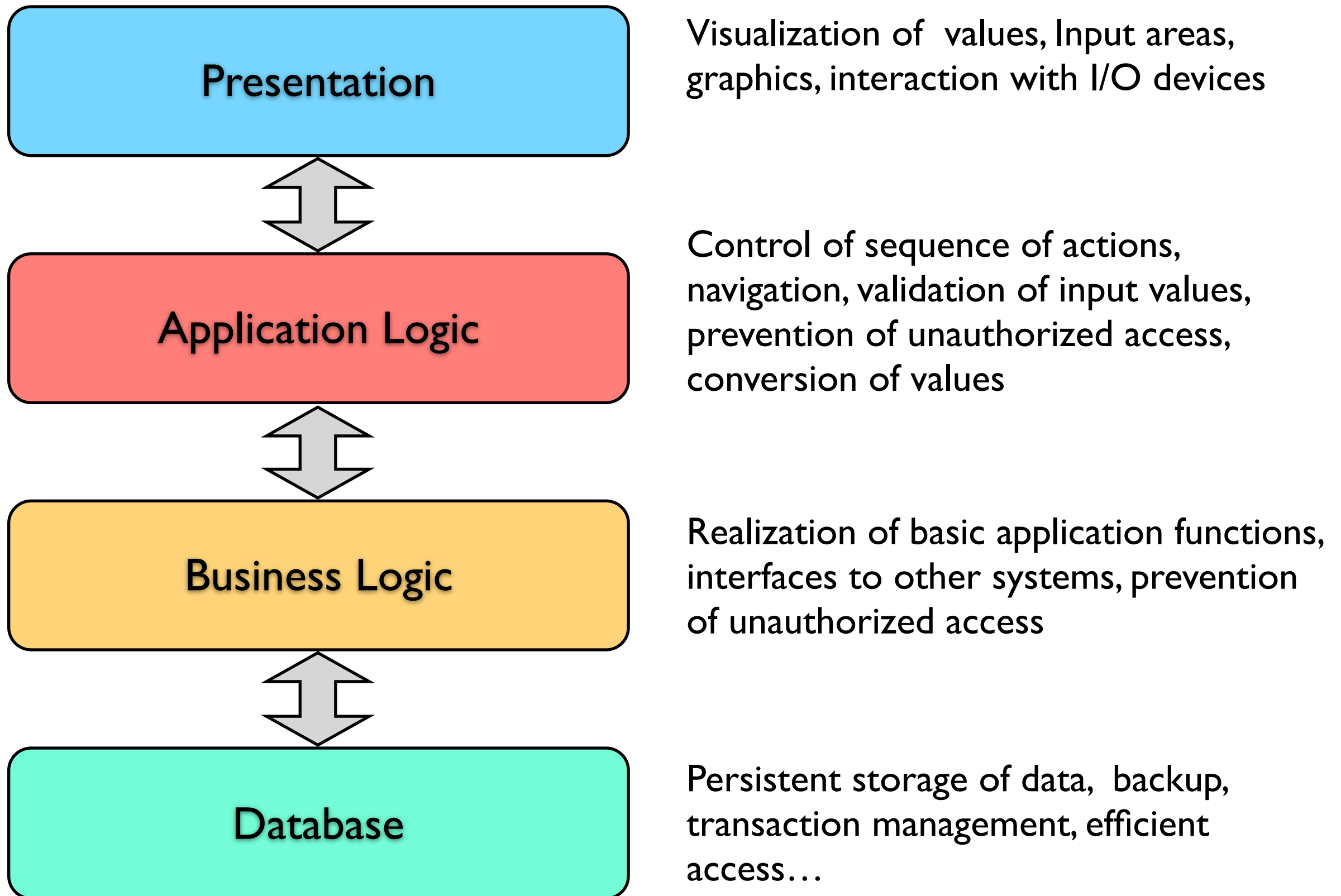
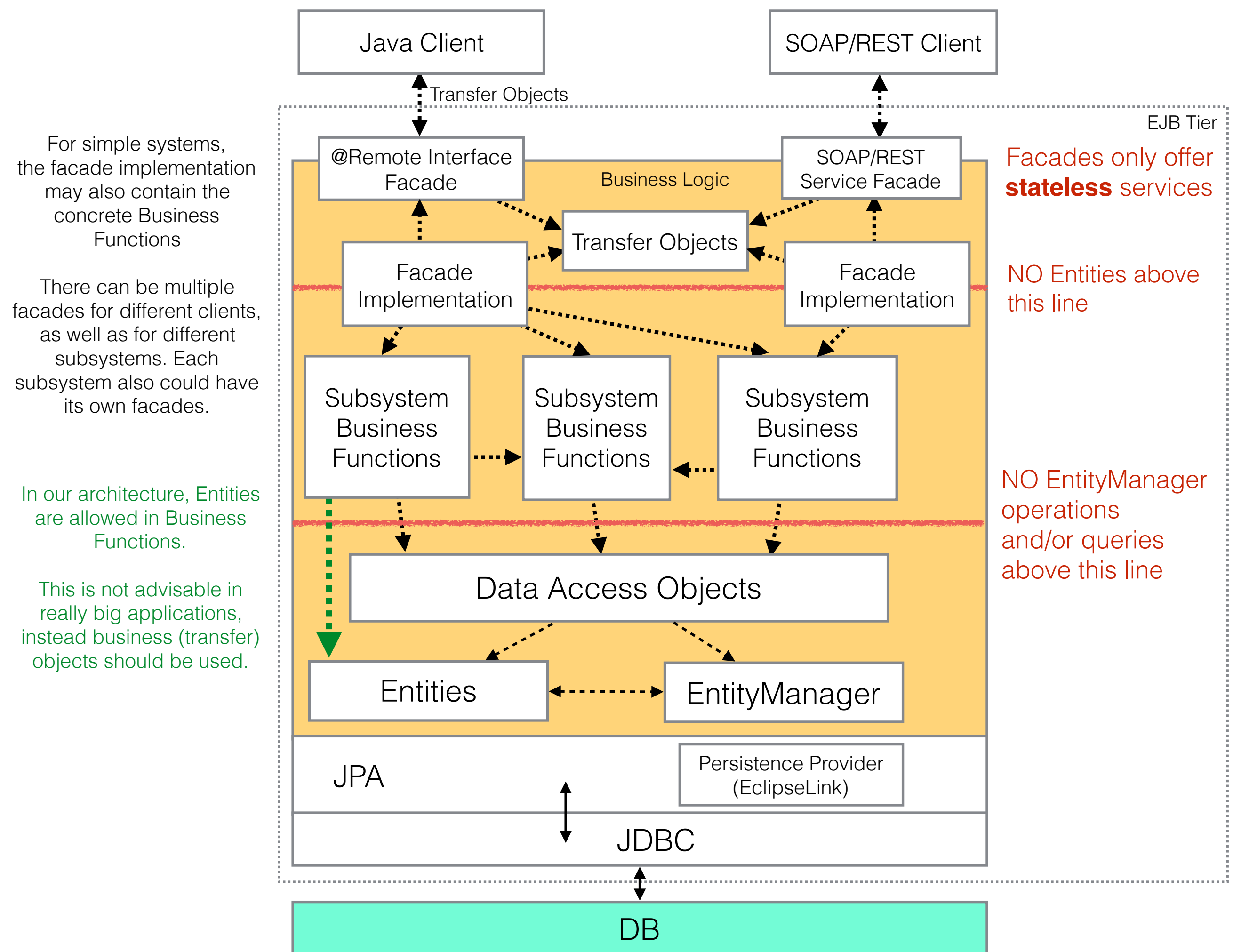


# 4 Layer Architecture





Presentation  
Layer (Browser)

Client Tier

HTML document

HTTP request  
(GET/POST)

HTTP response

Web Tier

XHTML „page“

JSF Render Kit

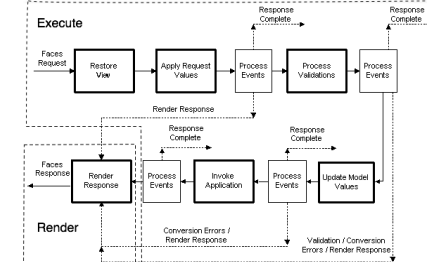
EL expressions

properties,  
action methods

**Backing Beans**

@EJB reference

**Faces Servlet**



executes JSF Lifecycle

BB instances created based  
on scope (request/view/  
session/application)

transfer objects

Facades only offer  
**stateless** services

@Remote **Interface  
Facade**

Business Logic

EJB Tier

JPA via JDBC

DB

DB Tier

Business  
Logic Layer

EIS Layer