

Software Architectures

Assignment 2: Architectural Patterns

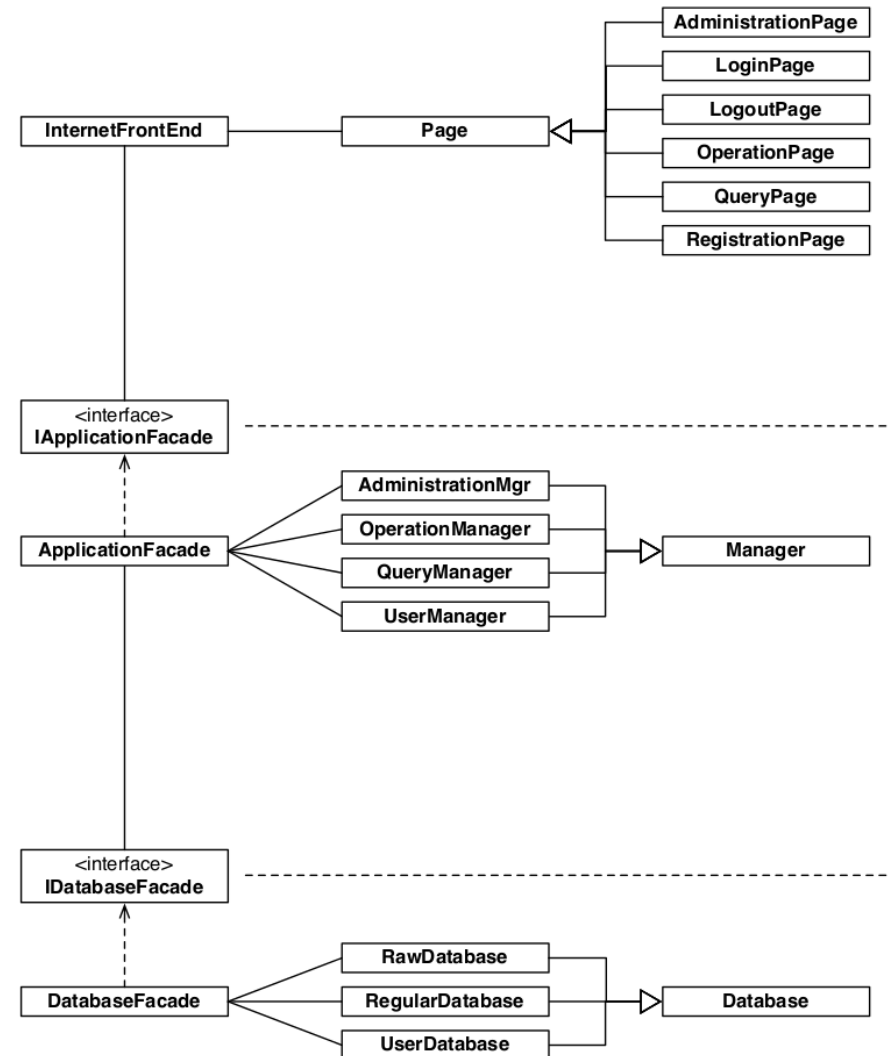
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Application

Web portal to receive information on books

Three-tier architecture:

- UI
- Application
- Database: SQL



Goal

Add another database layer: JSON files

However: flawed design, not really three-tier

→ you need to fix this

Report

- What design flaws did you find in the three-tier architecture?
- Draw a diagram of the database layer. How can you switch between the two database layers?
- How does the facade pattern facilitate switching between implementations of a layer?

Procedure

- Instructions on PointCarré
 - Including instructions to install Eclipse & Tomcat
- Deadline: **Thu, 19th March 2015, 23:59**
- Report & code
- Submit using PointCarré (follow naming schema!)
- Teams allowed, max 2 people

Help session

Thu, 5th March 2015, 12:00 after class

- Start working now
- Questions & problems
- (Bring your laptop)