

# Project Kick-off

Outro

# Agenda

Projects

Code reuse

Architecture and Design

Modular development and testing

Grading

# Projects

Questions???

# Code Reuse

Yes, you may use my (or others) code, .. keep  
@author in comment

# Architecture and Design

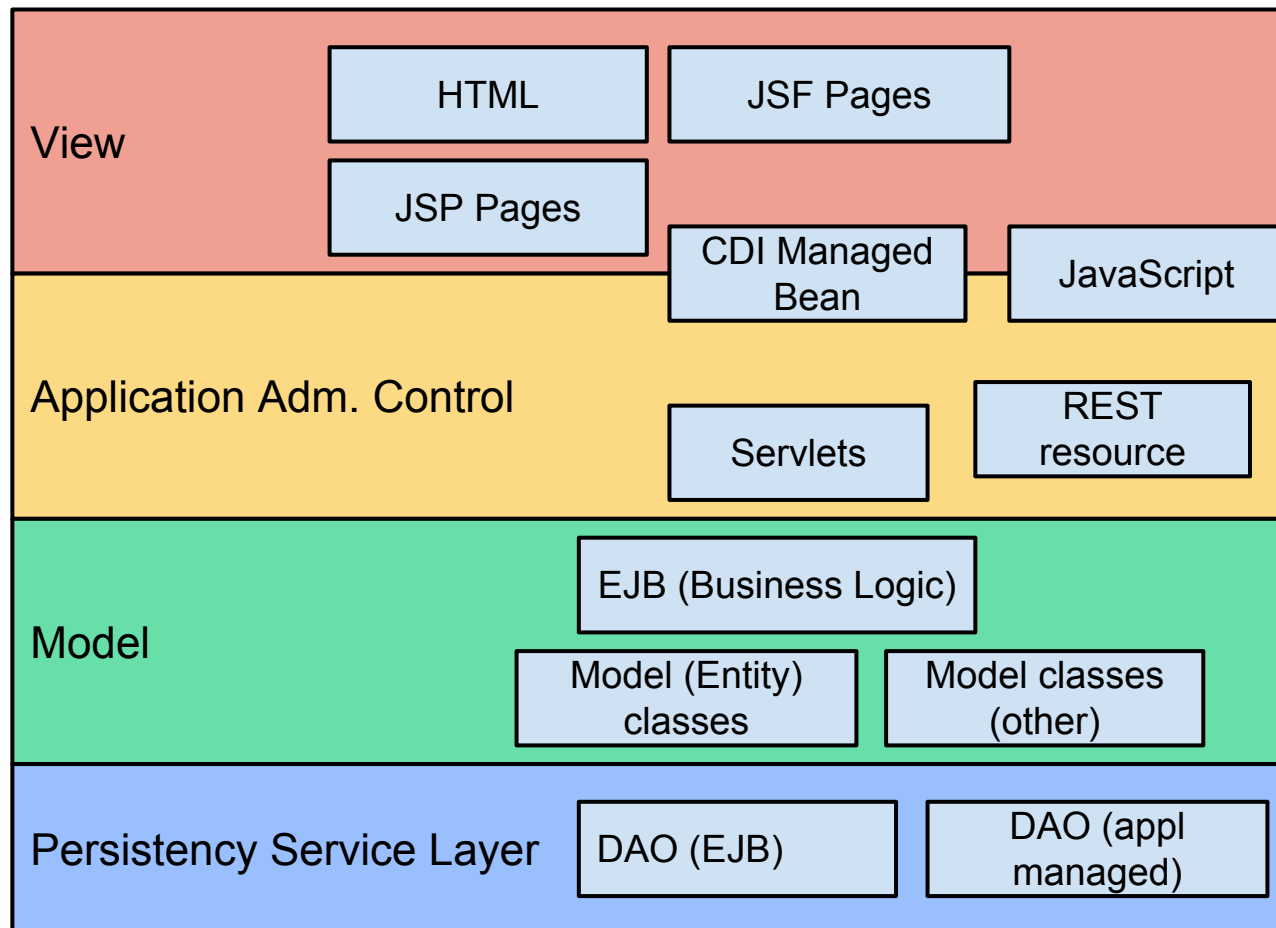
## Model first

- If you don't have a decent model ... trouble...

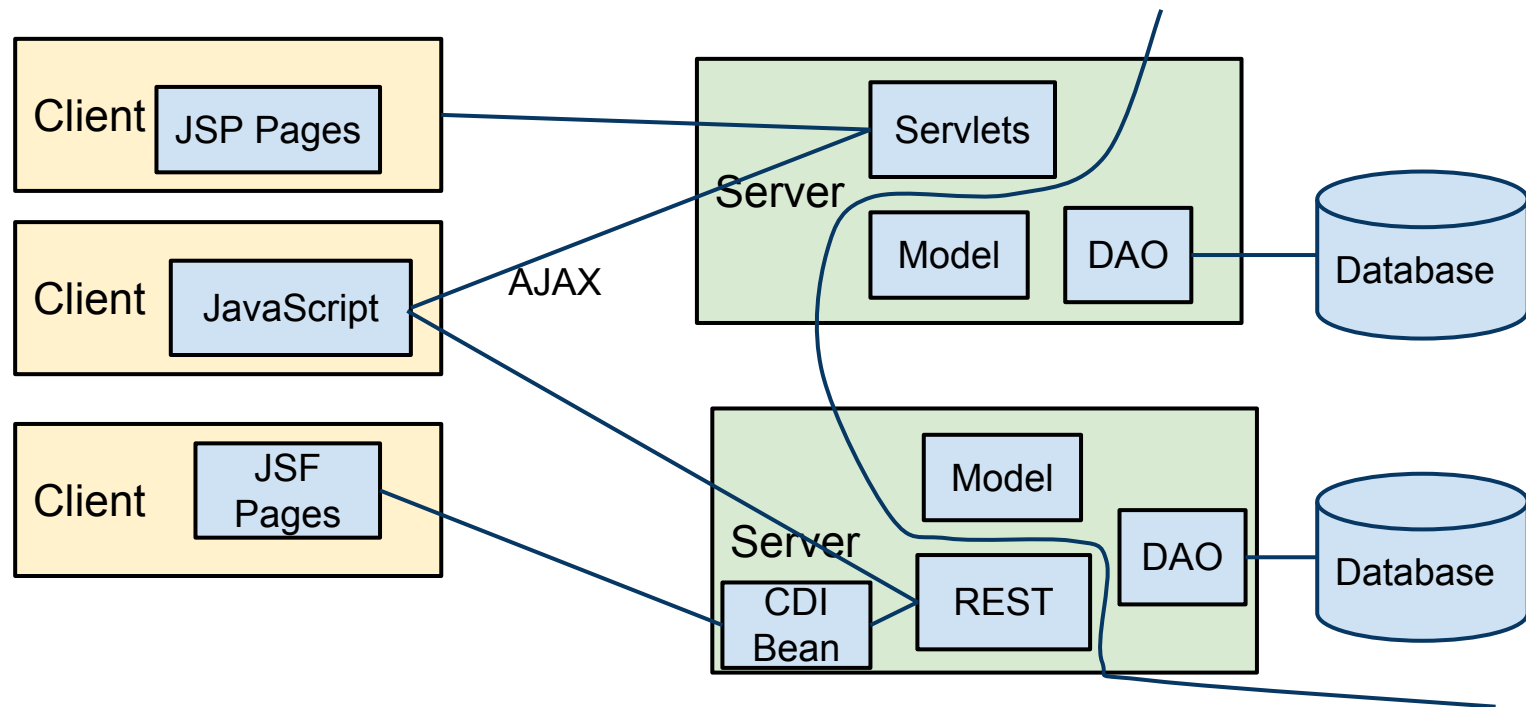
## Have many techniques. How to select and use?

- Servlet, JSP, JPA, CDI, EJB, JAX-RS, Bean Validation, HTML, CSS, JS, XHTML, Facelets, ...
- Identify which layer the technique belongs to
- Use as pure technique or as part of application logic?
- Use one approach in any single part of application
- Possible combinations ...

# A&D: Layers



# A&D: Client Server



# Warnings

The workshops are to 70% finished when you start  
(many, traps/pitfalls removed)

- Now you're on your own!!!

Must...

- Develop and test the parts in in separation else disaster...
- Final composition of the parts late
- Use separate prototyping/tests to run through all layers (a narrow path from GUI to database and back)



# Grading

I normally does this and more...(project in Netbeans)

- Development environment, possible to identify parts (with hopefully single responsibility), code style, useful comments, technical code level, ...
- Then check overall size (any kind of coding), JS, Java, XHTML, HTML, ... number of applications, classes,
- How much is working (notes from demo), how complex are the use cases (UC: Buy item, post comment, ... ), roles,...
- The OO model
- Design: MVC style, PRG, layering/partition, validation, navigation, security, scopes, injection,
- Services: ORM/persistence, interfaces to services, ...
- How many techniques used (in a sensible way)
- GUI should be decent ... (not much on graphical design)

# Grading cont.

Documentation not part of grading, it's a help for grading

- A good description of application will minimize risk for missing nice features, ... point out strong parts

# Individual Grading

Previous slides will give the projekt grade

For the individual grade we will

- Inspect the self estimation (on course page, to be handled in before demo)
- Thoroughly inspect the git repo using Adams killer tool [getinspector](#)
- If anything seems strange we will contact you
- As noted; it's ok to have different ambitions... but don't forget to declare it

Normally project and individual grade will coincide

# Questions

Lab sessions will continue as usual

Other ???