

Java Web Applications

(2008.12.23)

Frank Ducrest

Java Web Application Types

- **Presentation-Oriented (interactive)**
- **Service-Oriented (non-interactive)**

Anatomy of a Java Web Application

- **Static components are developed to provide the static portion of a web application**
- **Web components are developed to provide the dynamic portion of a web application**
- **Java Beans are developed to provide support for web components and then deployed to EJB container**
- **Static and web components are combined to create web modules, which are placed in WAR files for deployment**
- **Web resources consist of deployed web modules**
- **Web container makes web resources of web applications available**
- **Resource, bean and container configuration stored in XML files**

Model-View-Controller Architecture

- **MVC**
- **Common application architecture**
- **Distributes functionality**
- **Minimizes coupling**
- **Based on three layers**
 - **model (data)**
 - **view (rendering model content)**
 - **controller (defines or regulates app. Behavior)**
- **Fits well with outline of Java web application**