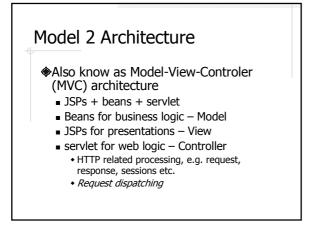


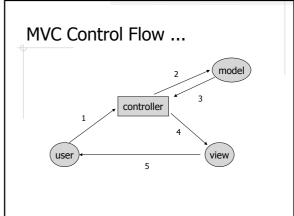
Java Beans

- POJO (Plain Old Java Objects)
- Properties defined by getter and setter methods

Items (Model 1 version)

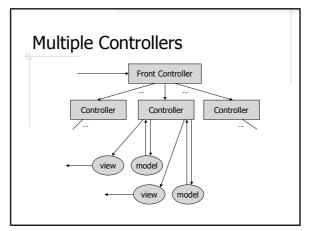
- What would it look like??
- Compared to the JSP version, what problems are addressed and what still remain??





... MVC Control Flow

- 1. Process request
- 2. Populate beans
- 3. Store results in request, session, or servlet context
- 4. Forward request to JSP page
- 5. Extract bean data from beans and display

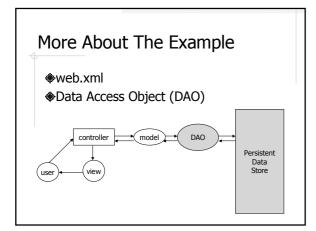


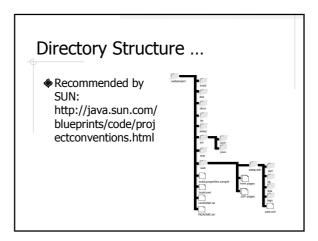
Items (MVC version)

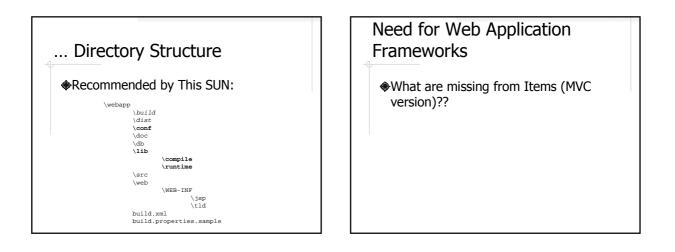
- FrontController
 - Login handler
 - Logout handler
 - User handler
 - Admin handler
- Models: Item and User
- Views: Login.jsp, Admin.jsp, User.jsp

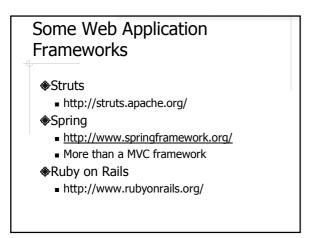
Admin Control Flow

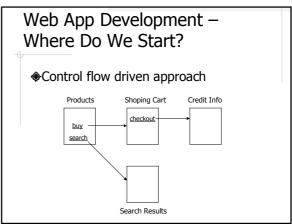
- 1. Process request
- 2. Populate beans
 - List<Item> items = itemDao.getAllItems();
- Store results in request, session, or servlet context request.setAttribute("items", items);
- Forward request to JSP page
 request.getRequestDispatcher("WEB-INF/jsp/Admin.jsp").forward(
 request, response);
- 5. Extract bean data from beans and display <c:forEach items="\${items}" var="item">











Web App Development – Where Do We Start?
Data driven approach
3. Application
1. Models
2. Database Schema