

Session 3 Catchups

MSIS 531 – Spring 2006

JSF -> Oracle

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- How hard would it be to change database platforms?
 - JNDI setup; mildly painful, but only needs to be done once
 - Oracle steps identical to those for MySQL
 - New JavaBean, referencing the Oracle JNDI parameter
 - One line of code to change
 - New faces-config.xml alias, mapping to Oracle JavaBean
 - Needed only to avoid conflicts with original version
 - One line changed in view, to refer to the new alias
- No other changes needed
- MySQL DML statements executed in Oracle without modification (lucky)

JDBC Without JSF

- What would the data table example look like without JSF?
 - JSP page containing all code to connect using JDBC, retrieve dataset, and display results
 - Issues:
 - No separation of presentation and data
 - Business logic change must be made everywhere
 - Username/password embedded in JSP page
 - Exceptions handled in presentation layer
 - Little opportunity for code reuse
- For small projects, JSP and JDBC are fine, but they quickly hit their limits