RAD V6 Tutorial Demos Handbook
Bill Hahn's Guided Tour of RAD V6
(Updated 2005/01/29 (Newest material at http://www.JavaDevTools.com)

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How the Tutorial Demos will be organized:

- **RAD V6 Guided Tour**
  - Comprehensive highlights of RAD V6, based on the "RAD Top 10" list below

- **End-2-End Development Tasks**
  - Build, Test, Debug and Deploy tasks, based on the "RAD Top 10" list below

- **RAD Reference Application**
  - Build an MVC application, from scratch, based on the "RAD Top 10" list below
  - Includes Java, J2EE, XML Web Services, Struts, JSF, SDO and other pivotal technologies

- **Turn-key Packaging**
  - VMWare Image, database, source code and solution workspaces will be packaged with examples

RAD Top 10 of IBM AD Tools (Adaptable, Automated, Accelerated)

Adaptable - Eclipse-based Workbench

#1 Customizable **Perspectives** and **Views** support **roles-based** tools

Automated - IDE Infrastructure (Code, Build, Test, Debug, Deploy)

#2 **Dynamic build engine** incrementally updates and hot-deploys (on-the-fly, while you type)

#3 **Testing and Debugging** for Java, Web Services, XML, database and EJB

Accelerated - End-2-End Builders

#4 **Java** language coding tools

#5 **Web** App Builders: Pages, Sites, Portals, Portlets, Struts, JavaServer Faces (JSF)

#6 **Web Services** and **XML** Builders

#7 **Database** Builders

#8 **J2EE** and **EJB** Builders

#9 **SOA workflow** builders (Service Oriented Architecture)

#10 **Legacy/Enterprise** development, integration and Web Services tools

End-2-End Page (End2EndPage .jsp and .java)

[Call All]

Type of Calls	Input>>Submit>>Results	Diagrams
Java: - Bean - Bean Web Service	**JavaBean** / Bean Web Service SomeData: Hi Bean! [Submit] Results: [E2EBean.aJavaMethod] Processed >> Hi Bean!	E2EBean End2EndPage WebServiceProxy End2EndPage E2EBean
EJBs: - Session EJB - EJB WebService - CMP EJB - SDO Session EJB Facade for CMP	**Session EJB** / EJB Web Service / CMP SDO Sess Facade SomeData: Hi EJB WS! [Submit] Results: [E2ESessEJB.anEJBMethod] Processed >> [E2EBean.aJavaMethod] Processed >> Hi EJB WS!	EJBProxy E2EBean End2EndPage E2ESessEJB WebServiceProxy E2EBean End2EndPage E2ESessEJB [Counter] DB Table EJBProxy Counter JDBC SDO End2EndPage Counter CMP SDO Sess Facade
SDO: Relational Mediator: - Select - Insert - Update - Delete	**Select** Insert Update Delete [Submit] | Counter	Count
CounterA	105
CounterB	200 | [ ] [ ] Page 1 of 2 [>] [>I]	[Counter] Table JDBC SDO [Counter] DB End2EndPage Cloudscape DBengine
Web Services: o Temperature (www.xmethods.net) o FastWeather (ServiceObjects.com)	**Temperature Web Service** / FastWeather Web Service Zip Code: 11101 License Key: WS14-PBJ1-KXY3 [Get Weather Conditions] Cond: Clear City: Long Island City State: New York Temp*F 30	Internet WebServiceProxy Temperature Web Service End2EndPage xmethods.net Internet WebServiceProxy FastWeather Web Service End2EndPage www.ServiceObjects.com
XML: - Create XML Doc - Recieve XML Doc	**Create XML Doc** / Read XML Doc Id: 132 SomeData: Hi XML! [Submit] Results: <?xml version="1.0" encoding="UTF-8"?> <E2E> <ID>132</ID> <INFO>Hi XML!</INFO> </E2E>	CreateXML End2EndPage XML SDO Beans E2E XML Doc ReadXML End2EndPage E2E XML Doc E2E XML Attributes XML SDO Beans
JSF: Client-side data: - Table - Graphs		COUNTER_NAME	THE_COUNT
CounterA	105
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2	2	 Page 1 of 2 Jump to page Counter Usage (bar chart)