

Database-Oriented JSF Application Development in Eclipse

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DATABASE WEB PAGES

- ✓ **Access to database data during user interaction**
- ✓ **Update database data**

THE TECHNOLOGY

✓ PHP & HTML

Scripting,
presentation, SQL
all together

```
20 mysql_select_db($database_mysql, $mysql);
21 $query_CategoriedDisc = "SELECT * FROM product WHERE classification = '$id' ORDER BY id ASC";
22 $query_limit_CategoriedDisc = sprintf("%s LIMIT %d, %d", $query_CategoriedDisc, $startRow_CategoriedDisc, $rowsPerPage);
23 $CategoriedDisc = mysql_query($query_limit_CategoriedDisc, $mysql) or die(mysql_error());
24 $row_CategoriedDisc = mysql_fetch_assoc($CategoriedDisc);

109 <table cellspacing="2" cellpadding="1" border="0">
110 <tr valign="top">
111 <td><a href="detail.php?id=<?php echo $row_CategoriedDisc['id']; ?>"></a> <br />
112 <span class="item_price">Price: <?php echo $row_CategoriedDisc['price']; ?> </span><br/>
113 <span class="item_saleprice">Sale Price: <?php echo $row_CategoriedDisc['saleprice']; ?> </span></
114 <td><span class="item_name"><a href="detail.php?id=<?php echo $row_CategoriedDisc['id']; ?>"><?php ec
115 <p/>
116 <span class="item_id"> <?php echo $row_CategoriedDisc['id']; ?> </span><br/>
117 <span class="item_abstract"><?php echo $row_CategoriedDisc['abstract']; ?> </span> <?php echo '<for
action="http://order.store.yahoo.net/cgi-bin/wg-order?yhst-29162397026843+'. $row_CategoriedDisc['id
118 <input type="submit" value="Add to Cart"/>
119 </form>
120 </td>
121 </tr>
122 </table>
```

THE TECHNOLOGY(CONT.)

✓ **ASP .NET ?**

NO! WE WANT JAVA

✓ **JSP, Servlet and EJB**

- Direct SQL via JDBC
- Entity Beans
- O/R Mapping

✓ **JSF & DataWindow (Sybase)**

- MVC
- Transactional
- Event-driven

✓ **JSF UI Component & ManagedBean**

- DataWindow (UI)
- DataStore (ManagedBean)

JSF & DATAWINDOW (SYBASE)

✓ DataWindow tag, codeless for read only data

```
<syb:dataWindow  
    dataWindowObject="d_detail" libraryList="/WEB-INF/pb/test.pb1"  
    id="d_emp" height="82" width="387" jndiDataSource="jndi/jsfdw">  
</syb:dataWindow>
```

✓ JavaDataStore, for data update

```
dw_forupdate = FacesContext.get ... ();  
Transaction ts = dw_forupdate.getTransaction();  
dw_forupdate.updateData();  
ts.commit();
```

JSF & DATAWINDOW SAMPLE

SYBASE®

Employee Table:

Employee ID	First Name	Last Name	Start Date	Birth Date	Salary	Dept
102	Fran	Whitney	08/28/1984	06/05/1958	\$45,700.00	100
105	Matthew	Cobb	01/01/1985	12/04/1960	\$62,000.00	100
129	Philip	Chin	02/03/1985	10/30/1966	\$38,500.00	200
148	Julie	Jordan	04/05/1985	12/13/1951	\$51,432.00	300
160	Robert	Breault	06/17/1985	05/13/1947	\$57,490.00	100
184	Melissa	Espinoza	10/18/1985	12/14/1939	\$36,490.00	400
191	Jeannette	Bertrand	11/19/1985	12/21/1964	\$29,800.00	500
195	Marc	Dill	12/06/1985	07/19/1963	\$54,800.00	200
207	Jane	Francis	02/03/1986	09/12/1954	\$53,870.00	400
243	Natasha	Shishov	06/07/1986	04/22/1949	\$72,995.00	100

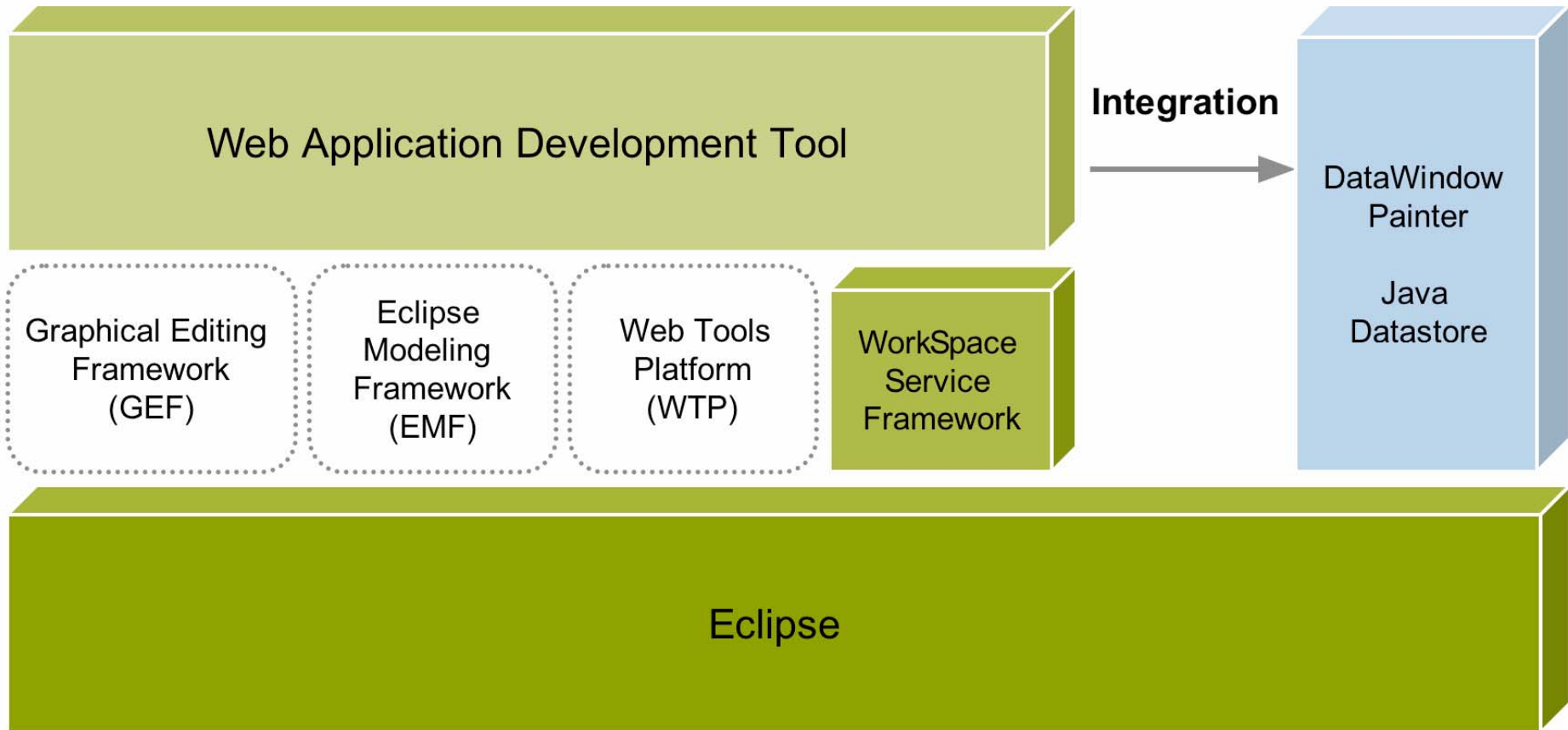
Previous Next Update **Sort Data Descending**

> >>| Page 1 of 8

Sybase WorkSpace in Eclipse

- ✓ Data Modeling
- ✓ Database Development
- ✓ Service Development
- ✓ Mobile Development
- ✓ **Web Application Development**

THE ARCHITECTURE



KEY FEATURES

- ✓ Visual Web Application Development
- ✓ Graphical Web Page Editor
- ✓ Graphical Editor for DataWindow Designing
- ✓ Easy Databinding
- ✓ Graphical Faces Configuration
- ✓ Graphical Web Application Configuration
- ✓ Debugging / Testing / Deployment



Demo Time !

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