IPRO 337: J2EE Versus .NET
Agenda

• Project Introduction
• Developing Criteria List
• Process Chosen
• User Interface Development
• Application Demo
• Criteria Analysis and Conclusion

IPRO Team

Advisors
Barbara Wallace
Dan Ferguson

Students
Amit Rami
Edmond Paspali
Kunal Shah
Poojag Amin
Roger Guinee
Stoyan Vassilev
Supreeth Bhat
Divya Singhal
Hiren Patel
Meryl Lobo
Rajesh Kurra
Ruby Sharma
Sunita McCoy
<table>
<thead>
<tr>
<th>Bank One Team</th>
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<tbody>
<tr>
<td><strong>Project Managers</strong></td>
</tr>
<tr>
<td>Dennis Hood</td>
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<tr>
<td>Geoffery Sutter</td>
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<tr>
<td><strong>Technology Team</strong></td>
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<tr>
<td>Abhi Prativadi</td>
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<tr>
<td>Fouziya Lakha</td>
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<tr>
<td>Hassan Jiwani</td>
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<tr>
<td>Mike Lipkie</td>
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<tr>
<td>Tina Homan</td>
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<tr>
<td><strong>User Experience Team</strong></td>
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<tr>
<td>Richard Douglass</td>
</tr>
<tr>
<td>Shikha Desai</td>
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<tr>
<td><strong>User Research Participants</strong></td>
</tr>
<tr>
<td>Karen Oswald</td>
</tr>
<tr>
<td>Richard Fiedomwicz</td>
</tr>
<tr>
<td>Therese Cormack</td>
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<tr>
<td>Tommie Woods</td>
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J2EE Vs .NET

Is there a winner?
J2EE Vs. .NET Environments

Similarities and Differences
Team Organization

- .NET/C# Team
- J2EE Team
- Project Plan Team
- Web site Team
- Usability Analysis Team
- Testing Team
- Poster/ Exhibit Team
Agenda

• Project Introduction
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Next Step

• Research Articles
  – Long list of criteria

• Initial Criteria
  – Seventeen
Criteria Analysis

- Application scope
- Time Constraints
- Bank One preferences
  - .NET/C# and J2EE available
Criteria Selected

• Eight

• Three broad categories
  – Ease of use
  – Ease of deployment
  – User interface design issue
Agenda

• Project Introduction
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• **Process Chosen**
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Process Chosen

• Waterfall Process model
  – Requirements Specification
  – Design Documents
  – Test Specification

• User Interface Development

• Criteria Analysis Report
Agenda

• Project Introduction
• Developing Criteria List
• Process Chosen
• **User Interface Development**
• Application Demo
• Criteria Analysis and Conclusion
User Interface Development

Old Interface

New Interface
User Interface Development
# User Interface Development

**Geoffrey Sutter**

<table>
<thead>
<tr>
<th>Officer Title</th>
<th>Vice President</th>
</tr>
</thead>
<tbody>
<tr>
<td>Job Title</td>
<td>Appl Dev Analyst-Advis</td>
</tr>
<tr>
<td>Phone</td>
<td>312-336-2996</td>
</tr>
<tr>
<td>Email</td>
<td>geoffrey_sutter@bankc</td>
</tr>
<tr>
<td>Cost Center</td>
<td>270712- Human Resou</td>
</tr>
<tr>
<td>Company Number</td>
<td>0089</td>
</tr>
<tr>
<td>Mail Code</td>
<td>IL1-0882</td>
</tr>
<tr>
<td>Fax</td>
<td>312-732-8171</td>
</tr>
<tr>
<td>Building Floor</td>
<td>18OP-13</td>
</tr>
<tr>
<td>Street Address</td>
<td>1 Bank One Plaza, Chic</td>
</tr>
<tr>
<td>Standard ID</td>
<td>N001614</td>
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<tr>
<td>Pager</td>
<td>877-244-4536</td>
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<td>Manager</td>
<td>Dennis J Hood</td>
</tr>
<tr>
<td>HR Business Partner</td>
<td>Carmen A Barnes</td>
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Agenda

• Project Introduction
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White Pages Phone Directory
Application Demo

• Direct Mode
  – Basic Search
  – Advanced Search

• Web Services Mode
  – Basic Search
Agenda

- Project Introduction
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Rating

• NA
• 1 – Very difficult
• 2 – Difficult
• 3 – Moderate effort
• 4 – Convenient
• 5 – Very convenient
<table>
<thead>
<tr>
<th>Criteria Grid</th>
<th>.net</th>
<th>Java</th>
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<tbody>
<tr>
<td>Ease of Use</td>
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<td>Exception Handling – Application</td>
<td>5</td>
<td>4</td>
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<td>Program Effort (Lines of code)</td>
<td>(480)</td>
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<td>Database Transaction</td>
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<tr>
<td>Web Service Development</td>
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## Criteria Grid

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## Criteria Grid

**User Interface Design Issue:** Framing

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<th>IDE</th>
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<tr>
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Observations
Recommendations

• Is there a winner… Application Specific

• For White Pages Phone Directory -- J2EE
Questions