PC 3: Identify OC&P, Explore Alternatives (15 points)

Due: Wednesday, September 9, 2009 at 11:59 am

Instructions:
- Complete the assignment and submit through DEN online via the "View/Complete" assignment link.
- If you use or refer to someone else’s work, you must acknowledge your original sources by providing accurate and adequate references.

File Naming Convention: LastName_Firstname_PC3.doc

Question: Post them on DEN Discussion Board

Special Instruction for on-campus students:
Please bring a hard copy of your PC-3 to the class on Wednesday September 9, 2009

Readings and resources:
http://greenbay.usc.edu/csci577/fall2009/site/coursenotes/ep/index.html
EP-09: Balancing Opportunities and Risks in Component-Based Software Development

http://greenbay.usc.edu/csci577/fall2009/site/coursenotes/ec/index.html
EC-07: NDI & NCS

Project proposals:
http://greenbay.usc.edu/csci577/fall2009/site/projects/index.html

Read EP-09, EP-10, and EC-07 and answer the following questions

For question 1-2,
- If your last name starts with A-F, analyze project proposals number 1-6
- If your last name starts with G-L, analyze project proposals number 7-12
- If your last name starts with M-R, analyze project proposals number 13-18
- If your last name starts with S-Z, analyze project proposals number 19-25

1) (3 points) Pick any 3 project proposals, for each proposal, identify 2 possible objectives of the system and 2 possible constraints

2) (3 points) Pick any 3 project proposals, for each proposal, find at least 2 possible NDI/NCSs that would satisfy the whole project solution or partial project solution.

<table>
<thead>
<tr>
<th>Project Possible NDI/NCS</th>
<th>Full / Partial solution</th>
<th>Rationales</th>
</tr>
</thead>
<tbody>
<tr>
<td>&lt;&lt;project number and name&gt;&gt;</td>
<td>&lt;&lt; List 2 possible NDIs/NCSs &gt;&gt;</td>
<td>&lt;&lt; full or partial solution &gt;&gt;</td>
</tr>
<tr>
<td>Project 0: SMB Accounting System</td>
<td>1) QuickBooks</td>
<td>Partial Solution</td>
</tr>
<tr>
<td></td>
<td>2) Microsoft Dynamic GP</td>
<td>Full Solution</td>
</tr>
</tbody>
</table>

3) (4 points) Identify advantages and disadvantages of NCS

4) (5 points) Based on EC-07, compare and contrast between NDI and NCS on the following issues
   a. Problems with vendors
   b. Need for flexibility in defining requirements
   c. Importance of operational demos
   d. Assessment of specific attributes
   e. Life-cycle issues