Objective:
Develop a case representation for the advising system.

What to do:
In the first few weeks of the quarter, we examined the various knowledge containers that a case-based advising system would need. In this exercise, we will take a deeper look at the case representation in particular.

Examine the case knowledge container ideas from 4/14 and the indexing ideas from 5/12. We will use these ideas as a starting point for assembling a complete case representation. Issues to consider.

• How should our cases be structured? Options are flat (feature / value pairs), semi-structured (feature / value pairs + textual content), object-oriented (features and values organized into structures)
• What are the features and values (and objects) required to encompass all of the necessary knowledge?

What to turn in:
• One student will be responsible for creating a web page containing the outcome of our brainstorming session.

Special DL instructions:
You will have to perform this exercise on your own. Produce a 2-3 page document detailing your answers to the questions above. I encourage you not to view the in-class discussion until you have a draft of your own answers. Then, observe the discussion and see if any new ideas or issues are raised. Your document is due 6/2.
Content for "Case" knowledge container (from 4/14)

OUTCOME
Grade
Time & Money Spent
Stress
Benefits

SCHEDULE /QUARTER
Course
Professor
Times
Class Size
Campus/Building
COL
Course Structure
Course Evals

CONTEXT
Degree Objective
Course History
Schedule Stuff

DEGREE PROGRAM
Core Exams

Content of case index (from 5/12)

<table>
<thead>
<tr>
<th>Index</th>
<th>Criteria</th>
</tr>
</thead>
<tbody>
<tr>
<td>Program Category</td>
<td>Exact</td>
</tr>
<tr>
<td>Number of courses (including waived courses)</td>
<td>&gt; Q’ - 3</td>
</tr>
<tr>
<td>Phase Max</td>
<td>≥ Q</td>
</tr>
<tr>
<td>Performance Feature</td>
<td>&gt; B+</td>
</tr>
<tr>
<td>For each phase</td>
<td>symmetric</td>
</tr>
<tr>
<td>[% of good quarters, GPA, re-takes, quantized GPA]</td>
<td></td>
</tr>
</tbody>
</table>

Q = feature value in query