Objective:
Develop specifications for each of the knowledge containers in the case-based advising system.

What to do:
Case-based reasoning systems are structured in their use of knowledge. One popular theory segregates knowledge in CBR systems into four parts:

- Cases: the stored representation of episodes
- Case representation language: the representation vocabulary for expressing cases
- Retrieval knowledge: the knowledge needed to retrieve a case given a new problem, includes elaboration of features and similarity assessment.
- Adaptation knowledge: the knowledge needed to modify a case to fit a new situation.

Often there are trade-offs in CBR systems between the contents of these knowledge containers: a system with lots of adaptation knowledge may get away with less retrieval knowledge since even distant cases can be adapted successfully.

We will be considering the problem of academic advising in CTI. For each of the knowledge containers, we will attempt to determine where specific knowledge should reside, how detailed it should be, and how trade-offs between containers should be resolved in our application.

Spend 5 minutes making notes to yourself, and then we will brainstorm as a group.

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. Brainstorm first, writing down all of the ideas that occur to you, and then prioritize and edit. 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 ideas. Then, observe the discussion and see if any new ideas or issues are raised. Your document is due 4/21.