

cis20.2-spring2008-sklar, term project task 4: intelligence component

instructions.

- In this assignment, you will design and implement the databases for your term project.
- This assignment is worth 25 points, or 25% of your term grade.
- It will be discussed in class on APRIL 13 and your work should be submitted by email (*sklar@sci.brooklyn.cuny.edu*) by APRIL 28.

4a. design intelligence

(5 pts)

Your system should do something intelligent by learning to perform better based on how the user interacts with the system. Decide on a *knowledge representation* based on what you want the system to learn. You can use either a *production system* or a *Bayesian network*. We will discuss some examples in class of each of these representations and how you might use them to learn something.

SUBMIT a design document describing the intelligent component of your system. Explain what is going to be learned, how the learned information will be stored and how the system will adapt based on the learned information.

4b-c. implement and test intelligence

(10 pts)

Implement the intelligent component, as you have described it above, as part of your system code, either in PHP or Java (or some other language).

Test it to make sure that it works.

SUBMIT a listing of the intelligence portion of your source code and a description of how you tested it, to demonstrate that it works.