

cis20.2-spring2008-sklar, term project tasks 5 & 6: final project

instructions.

- In this assignment, you will complete your term project.
- This assignment is worth 25 points, or 25% of your term grade.
- Your project will be demonstrated in class on MAY 5 and your final project write-up (the URL for part 5 and the five sections of part 6) must be submitted by email (*sklar @ sci.brooklyn.cuny.edu*) by MAY 23. NO EXTENSIONS AND NO EXCEPTIONS!!!!

5. operational system

(5 pts)

You need to connect all the components of your system: the user interface, the database and the intelligence.

DEMONSTRATE the system in the last class on MONDAY MAY 5.

SUBMIT the URL of the complete, operational system, as it is installed and operational on the class server.

Due by MIDNIGHT ON FRIDAY MAY 23.

6a. perform system-level testing

(5 pts)

Design and implement a series of *white box* tests for your system. The tests should focus on the throughput from one component to another, since you already should have tested the individual components in earlier parts of the project. Remember that white box testing focuses on the underlying processes occurring in your system and should demonstrate that the system can properly execute each of the possible processing branches inherent in the system design.

Run the tests to make sure your system works.

SUBMIT a description of your white box (system) tests as a plain text or PDF file.

Due by MIDNIGHT ON FRIDAY MAY 23.

6b. perform user testing

(5 pts)

Design and implement a series of *black box* tests for your system. The tests should focus on the throughput from one component to another, since you already should have tested the individual components in earlier parts of the project. Remember that black box testing focuses on the handling of data in your system and should demonstrate that various inputs produce desired outputs and/or system responses.

Run the tests to make sure your system works.

SUBMIT a description of your black box (user) tests as a plain text or PDF file.

Due by MIDNIGHT ON FRIDAY MAY 23.

6c. complete user documentation

(5 pts)

Write user documentation that explains what users need to know in order to run your system. You can think of this as a user manual. Remember that you have two types of users: *general users* and *system administrators*. So, your user documentation should contain two parts: one for each type of user.

SUBMIT the user documentation as a (preferred) PDF file.

Due by MIDNIGHT ON FRIDAY MAY 23.

6d. complete system documentation

(5 pts)

Write source code documentation that explains what each source file is and how to build the system. Pretend that you are handing off the system to someone else to build and maintain. Include all the information you think they will need to know in order to compile, run and install your system, and to maintain your source code (i.e., fix bugs or add functionality).

SUBMIT the source code documentation as a (preferred) PDF file.

Due by MIDNIGHT ON FRIDAY MAY 23.

6e. INDIVIDUAL statement of work

(0 pts)

Include in your final submission a statement of work. Refer back to your original proposal and recall how you and your partner proposed to share the work. Describe how the effort on the project was shared—what you did and what your partner did.

SUBMIT this statement by MIDNIGHT ON FRIDAY MAY 23.

NOTE THAT THIS STATEMENT MUST BE DONE INDIVIDUALLY. I must receive a statement from each person in order for you to get any credit for the project.