

cis20.2, spring 2010, project IV project completion

- This is the project for Unit IV. It is worth **25 points**.
(20% of your term grade + 5 bonus points for extra credit).
- It includes a DEMONSTRATION which will be held in class on TUESDAY MAY 18.
- The rest of the assignment is due on SUNDAY MAY 23 by midnight.
- SUBMIT your assignment via email to: sklar@sci.brooklyn.cuny.edu

Do all your development on mingus (146.245.250.181).

PART 1 – system development

(10 points) Complete the software development for your system. This includes the user interface, for both the system administrator and “regular” users, and the entry of the minimal amount of data (entered by the system administrator) that you need for the system to work.

Note that many of you designed ambitious projects at the beginning of the term, and you may decide that it makes sense to scale back on your design in order to MEET THE DEADLINE for the project.

PART 2 – system demonstration

(5 points) In class on TUESDAY MAY 18, you and your group will demonstrate the system for the class. You should prepare a 10-minute demonstration that illustrates the functionality of your system. Everyone in the group should take a small part in demonstrating how the system works :-)

PART 3 – quality control

(4 points) Design TWO TEST SCRIPTS that illustrate the correctness and effectiveness of your system. Work with your group to do this. The team member whose role is **quality control** should take the lead. Discuss with your team the components that should be tested and divide up the work. NO TWO TEST SCRIPTS SHOULD BE THE SAME! So make sure that you coordinate carefully with your group members.

Submit the test scripts in a self-explanatory format, so that I can run them. For example, this script below tests the login page that I demonstrated in class on May 4, showing how it handles the situation when the user enters the correct username and password.

0. go to `http://146.245.250.181/~sklar/login.html`
1. enter "sklar" in the box labeled username
2. enter "asdf" in the box labeled password
3. click on the "submit" button
4. the screen should display a message stating:
 yippee! got a match! you're in :-)

And this script, below, shows what happens when the user enters the correct username but the incorrect password:

0. go to `http://146.245.250.181/~sklar/login.html`
1. enter "sklar" in the box labeled username
2. enter "1234" in the box labeled password

3. click on the "submit" button
4. the screen should display a message stating:
 oh no! passwords don't match :-(
 please go back and try again.

PART 4 – system documentation

(5 points) Provide ONE of the following DOCUMENTATION parts, as follows (based on your role):

1. ROLE = USER INTERFACE: USER DOCUMENTATION that explains to a user how to run the system. This should include a list of all the functionalities available to a normal user and a description of how to use them.
2. ROLE = SYSTEM ADMINISTRATOR: SYSTEM ADMINISTRATOR DOCUMENTATION that explains to a system administrator how to run the system administration tasks required for your system to be functional. This documentation should include a list of all the functionalities available to the system administrator and a description of how to use them.
3. ROLE = QUALITY CONTROL: PROGRAMMER DOCUMENTATION that explains to a programmer the software components of the system. This should include a list of the source files and a brief (approximately one-line) description of each file (where it is located and what it does).
4. ROLE = USER DATABASE or CONTENT DATABASE: DATABASE DOCUMENTATION that explains to a programmer the database(s) used in the system. This should include a list of the databases, database tables, what type(s) of information the tables contain and what they are used for.

PART 5 – team assessment

(1 point) Describe your role in the project and what you contributed. Describe the contributions of each of your team mates to the project. Be honest and fair. THIS PART *MUST* BE SUBMITTED. EVEN THOUGH THIS PART IS ONLY WORTH 1 POINT, YOU WILL RECEIVE A 0 (ZERO) FOR THE WHOLE ASSIGNMENT IF YOU FAIL TO SUBMIT THIS PART!!!

SYNOPSIS

You need to develop and submit the following:

- URL for your project's home page (GROUP effort)
- Demonstration, to be done in class on MAY 18 (GROUP effort; nothing to submit—just be there on the 18th and participate)
- Two Test Scripts, for Part 3 (above), Quality Control (INDIVIDUAL effort)
- User Documentation (INDIVIDUAL effort)
- System Administrator Documentation (INDIVIDUAL effort)
- Programmer Documentation (INDIVIDUAL effort)
- Team Assessment (MUST BE SUBMITTED!!!) (INDIVIDUAL effort)

Develop your work on mingus. I should be able to try out the results on mingus!