IST 412 – Lab 2 Progress Report 2

Due Friday 10/14 5pm Section 1 (Sunday 10/16 5pm MPS)

1. Your functionality decision and basic design should be complete - this doesn't mean you can't change some design aspects, but you should have a fully-realized basic design and your functionality should be set. (Note: more than one team realized they bit off more than they could chew - if that's the case, just pick new functionality and continue).

2. You should have at least basically working code for most/all of your classes. It doesn't need to be complete, but most/all classes should be represented and <u>some</u> should be testable. I'm a bit slack here regarding most/all - but your system should bear at least reasonable resemblance to your final system.

3. You should have specified at least 4 tests - at least two black-box and two white-box.

4. You should have actually run at least 2 tests - at least one black-box and one white-box.

5. I suggest (not absolutely required) that you document this system now using javadoc - it will be required as part of the final deliverable. No need to include that documentation, but give an Ant script target to make your documentation.

Other Specifics:

1. Please include all design/test documentation in your single design/test notebook - append new information to that from Progress Report 1, and demarcate these clearly. That should be the only design/test document submitted - consolidate everything into that one document.

   > **Important Reminder:** This must be a PDF document (not Word .doc/docx, OpenOffice .odt, Visio .vsd, and so on). Filename: ist412-lab2-progress2-flastname.pdf (flastname of the team member submitting, but be sure to put both names on the actual document itself).

2. Include an Ant test script target (TestScript.xml) covering each of your tests, along with a readme.txt file which briefly explains what is going on and how we should test your system. Your Ant script should be in the same basic format as Lab 1 (all those 10 targets should be present), plus at least two targets which run each test. Of course, the script should be tailored to deal with your system, not the system from Lab 1.

3. Put your code into a separate src directory, put your test scripts and readme.txt there.

4. Put your PDF notebook and your src directory (folder) into a directory named ist412-lab2-progress2-flastname and compress into a single .zip file named ist412-lab2-progress2-flastname.zip

5. The password length/alphabet/restrictions for your login system are as follows:

   - **password length:** between 10 and 20 characters (inclusive).

   - **password alphabet:** lowercase/uppercase English letters, numbers 0-9, and the 10 SHIFT special characters above the numbers on a typical keyboard - these are ! @ # $ % ^ & * ( )

   - **password restrictions:** at least one uppercase letter, one number, and one of the permitted special characters. No other characters may be used.

6. **Encryption.** You may use any reasonably modern, 256-bit or greater encryption system like AES (Rijndael), Blowfish, or Twofish, or implement a public-key encryption system like RSA if you prefer. You may write this code yourself or use any APIs to implement it.

7. **Assessment:** The same system used for Progress Report 1 will be used here – Pass/Fail, but with feedback specifying Check+, Check, Check- and running comments. You have some latitude here, but we reserve the right to issue Fail if you haven't made some reasonable progress.