The purpose of this homework is to implement the major construction phase of the project, resulting in a beta release of the product.

The homework is due online before midnight, Wednesday, May 26.

There are two parts to the homework.

1. *A survey questionnaire* in which you rate the contribution you and the other people on your team have made to the group project. **Everyone should fill in this survey separately.** There are links to the survey on the class website.

   http://www.cs.washington.edu/education/courses/403/04sp/hw4survey403.html

2. *The deliverables* listed below. **One of the team members should turn in all the deliverables together** so that there is one coordinated input for the team. There is a link to the turnin page on the class web site calendar entry for Wednesday May 26.

This is primarily a coding assignment. Take the time to implement and test your product thoroughly. The documentation is a description of how your team is using the implementation processes we have discussed in class.

Deliverables

1. A beta release of your software. A "release" includes several elements packaged in two distributions.

   a. Binary distribution. The elements needed to run your application only. A separate zip file for each host (client, server) is often a clean way to organize this. The release should include clearly identified release notes in the zip file that describe how to install and run the software.

   b. Source distribution. The elements needed by someone who is going to pick up the project at this stage and do further development. Again, a separate zip file for each host target is often a clean way to organize this. The distribution should include clearly identified release notes in the zip file that describe how to build the product from the original sources.

2. A description of the implementation practices in your team, based on the first four elements of the Joel Test outline. The list below shows the Joel Test question, a more general question for you to address in your description, and suggested artifacts that would clearly indicate how you have addressed the issue.

   a. *Do you use source control?*
   Question: What are you doing for source control management?
   Artifact: Source control dump showing source file revision levels and reasons.

   b. *Can you make a build in one step?*
   Question: What have you done in order to manage your build process?
   Artifact: Build script, output from a run of the build script

   c. *Do you make daily builds?*
   Question: Do you use your build process to maintain the health of the project?
   Artifact: List of build versions.

   d. *Do you have a bug database?*
   Question: How are you managing the tracking and resolution of defects in your project?
   Artifact: Log of bugs identified, open, and resolved

Reference

The Joel Test: 12 Steps to Better Code, Joel Spolsky
http://www.joelonsoftware.com/printerFriendly/articles/fog0000000043.html