Lab 5(Unit 3, Lesson 2)

System Development Life Cycle

Overview section
This lab will allow a student to become familiar with the SDLC process.

Objectives section
At the end of this lab you should be able to understand and provide examples of the different parts of life cycles.

Components Section
The components needed for this lab are:

?? A PC connected to the internet

Key Point
Web development is a continual cycle of design, implementation, and maintenance.

Lab Length: 4-6 Hours
Lab
1. First choose to use your own Web project or an imaginary one. You will be creating written deliverables for each of the SDLC steps. It might be easier and more useful to use your own project, but it’s not required.

2. The first process to analyze is the specification process. You have already done part of the specification process in a previous lab. Create a document that includes all specifications of your web site (actual project or imaginary) like the site generation, model, etc. You should provide a list of all functionality required by the users, owners, etc.

3. The second process to accomplish is the analysis of existing assets. Consider your specification sheet and decide on the best way to accomplish your goals. See if you already have some assets that meet the criteria. Decide whether upgrading old assets is more effective than acquiring new ones. Write a document that includes all existing assets that can be used and what additional assets are needed.

4. For the design process prepare a document that provides design details about content and process. Be sure to include goals and a timeline.

5. The fourth process is the procurement stage. Decide on what components are needed to complete your assets, and how and where to obtain them. Write a deliverable on everything you need to procure and how you plan to accomplish the procurement.

6. For the construction phase provide a detailed process document on how your site will be constructed.

7. The next process is the testing phase. Testing is vitaly important because no matter how perfect the plan something always slips through the cracks. Provide a detailed testing plan.

8. The seventh process is deployment. Provide a document that explains how you will deploy your site, including timeline, versions, etc.

9. The last process is maintenance. Provide a document that explains your maintenance plan.

10. Email your answers/conclusions to jrobinson@westnetinc.com.