Computer Science 2 - Weekly Quiz 09/30 **NAME: Jake Lorah**

**Each question below is worth 10 points. Please answer clearly in the space provided.**

1. **The Project Life Cycle (PLC) is similar to an algorithm. Is this a true statement? Why or why not?**

**Yes because an algorithm is a sequence of steps and in the PLC, you are following a series of steps to ensure that the project is a success.**

1. **While you are working on a project, the activity that is frequently overlooked but is very beneficial to future projects is the design phase. It follows the implementation phase where the final product is delivered or submitted to the work recipient.**
2. **A model home or a PowerPoint rendering of a website are both examples of product design phase (prototype or draft). What is likely to occur they are not created? Problems may occur during the final product and the recipient wouldn’t see the prototype to see if they have any questions or concerns about it.**
3. **You are working on a project to build a new website. This is an example of a project objective.**
4. **You are working on a project to upgrade an existing website. The expectation is that it will generate additional revenue from customers. This is an example of a business objective.**
5. **Explain how the lack of clear requirements prior to project start will cause any project to fail.**

The lack of clear requirements will cause any project to fail because the recipient wouldn’t be happy with the final product and the recipient’s requirements for the project would not be met.

1. List the 5 phases of the PLC and describe each.
2. Concept Phase – Getting the project reviewed and approved by someone and gets introduced with the project.
3. Design Phase – Making the prototype of the final product. The final product **does not** start yet.
4. Development Phase – After the prototype has been reviewed and approved, the final product may now start. You may start writing, coding, etc…
5. Implementation Phase – The final product gets delivered or submitted to the user.
6. Closing Phase – The client-sign off, lesson learned, and feedback takes place during this phase.
7. Describe the difference between project objectives and project requirements.

Project objectives are the idea or goal of the project. There are two types of objectives. Business and Project. Requirements are the specific features of a project to ensure the project is a success and to ensure the client needs.

1. **The most important phase of any project is the concept phase which follows the design phase and pre-cedes the development phase. Explain its significance in detail.**
2. List the five questions needed to complete a Lessons Learned summary document.
3. What worked well for this project or the project team?
4. What didn’t work well for this project or the project team?
5. What should be done over or differently?
6. What surprises did the team handle during the project?
7. What project events were not anticipated?
8. Were the project goals attained? If not, what changes would help to meet goals in the future?