Juvie V. Cano BSIT – Programming 3 – B

**ASSESSMENT**

**Test I**

1. **In your own opinion, why you should learn software development life cycle?**

* *SDLC is something I need to learn because it will help me today and, in the future, to plan ahead of time before beginning actual development and to improve the development process. As a developer, it allows me to analyse what the exact requirements are and improves my ability to design and build high-quality software products.*

1. **Do you think learning SDLC helps you improve your software development? Why?**

* *Yes, because it has a step-by-step process for meeting the goal of software development as well as the needs of customers. SDLC assists me in reducing unnecessary development costs. And it assists me in identifying inefficiencies and higher costs and repairing them so that everything runs smoothly.*

1. **Which of the model would you prefer to use in software development? Why?**

* *I prefer the Waterfall Model because it is simple to understand and apply for inexperienced developers. Because of the rigidity model, it is also simple to manage the projects. And it enables teams to move more efficiently through this model, which can be beneficial for software.*

1. **Define is the difference between waterfall and agile?**

* *The Waterfall Model was the first Process Model to be introduced. It is also referred to as a linear-sequential life cycle model. It is very simple to understand and use. In a waterfall model, each phase must be completed before the next phase can begin and there is no overlapping in the phases. The Waterfall model is the earliest SDLC approach that was used for software development. While Agile SDLC model is a combination of iterative and incremental process models with focus on process adaptability and customer satisfaction by rapid delivery of working software product. Agile Methods break the product into small incremental builds. These builds are provided in iterations. Each iteration typically lasts from about one to three weeks.*

1. **How software development life cycle works?**

* *By simply outlines each task required to put together software application. This helps to reduce waste and increase the efficiency of the development process. Monitoring also ensures the project stays on track, and continues to be a feasible investment for the company. Many companies will subdivide these steps into smaller units. Planning might be broken into technology research, marketing research, and cost – benefit analysis. Other steps can run concurrently with the Development phase, since developers need to fix errors that occur during testing.*

**Test II**

1. **Let see, you have your own IT company and you want your company to be unique. How would you create your own software development life cycle? Enumerate development processes and give an explanation to each of the process.**
2. **Draw a diagram of your own software development life cycle.**