**Assignment #3**

**Full name: Arjun Thapa**

**Student-ID: M22W0385**

**There is no specific length requirement for your answer, but it is important to maintain clarity, consistency, and conciseness throughout your response.**

1. Summarize what you have learned from the course.

From this course I learn a lot about object-oriented design. At the beginning it is talking about java and oops modeling then after it is describing the design of conceptual and technical which is usually used in the designing sector. Competing qualities, trade offs, record, organize and refine components also describe with brief information. I also learn about the model’s bridging concepts and solution which is used in OOD.

It also talks about how the language evolves from past to future and is used in our daily basic life. It also talks about design structure in java and UML class diagrams. UML class diagrams show the diagram of different sectors step by step. There is a lot of information I learn from this course and that information helps me to build a better future in the design sector. It is showing a lot of videos with examples in which people get a proper knowledge of each step by step. There is also an interview of different people who give us information about that topic.

1. What are the most interesting parts for you and why?

The most interesting parts for me are language evolutions and conceptual mockups and technical designs because to become a designer we become just like architecture which gives an outline of a solution. Conceptual mockups are providing the initial thought of requirements that should be satisfied. After the conceptual mockups are done then it is focused on the technical design which works on small and small details of work. Another is Language evolution, Language is the part of our body which expresses our feelings, emotions and other things. The language in the field of technology is evolving day by day. Latest technology is being used nowadays with different languages like Java, HTML, PHP, etc.

1. What are the most challenging parts for you and why?

The most challenging parts for me is design structure in java and UML class diagram because this is new challenge for me while in bachelor level I only study UML case which is not using java in the UML case but now the java and UML class is both use which make my study a challenging part. Design structure in java which can change UML class into coding form. UML classes have different types which have different relationships. an aggregation, a composition, or a strong relationship between the two classes which are also challenging parts for me.