Assignment 3 – Phase 2

Peer review for - Assignment3-Phase1-bkuche

1. **Content of write-up- Score: 2.4/2.5**
   All the important points have been covered in the summary. It starts by explaining consistency levels and how it is used. Followed by consistency in CAP and ACID theorem. The sequential consistency has been explained using an example of thread execution. The different levels of consistencies are then discussed. The comparison of strong vs weak consistency has also been discussed. The atomicity and the durability have also been discussed in short.
   Drawback – Most of the points are covered, but the main purpose of the writeup was to differentiate and understand different consistency levels, which is not well covered.

2. **Reflection: Score: 2.4/2.5**
   The author seems profound with the idea of the consistencies. The text is refined to some extent but lacks clarity at times. The language used is fair. The ideas are valid and are in support of the original writeup. The reflection would have been clearer had it been explained with the comparison with original abstract. But the overall clarity is good. Examples are used at places.

3. **Development of Ideas- Score: 1/1**
   The ideas used follow a logical connect and are hence up to the mark. The opening paragraph is written very nicely, draws attention to the paragraph. The writeup is written in a way that the important concepts are covered.

4. **Mechanics- Score: 1/1**
   The summary follows all the guidelines outlined in assignment 3 phase 1's instructions. It contains a two-page summary with Times New Roman 12pt type, one-inch margins on all sides, and 1.5 line spacing. It is written in a clear, typo-free format that allows a newcomer to understand the various levels of consistency.

Peer review for - CSE_512_Assignment3_Phase_1 (Tapan Rajnikant Modi (1222325026))

1. **Content of write-up- Score: 2.5/2.5**
   This summary begins with a discussion of the trade-offs between achieving high consistency and high performance in distributed database systems. It defines consistency by using ACID and CAP as examples. The summary vividly describes the distinction in the definition of consistency. Following that, the summary focuses on the strong and weak consistency levels. An example of a strong consistency, such as strict or atomic consistency, is provided. Then there's a discussion of weak consistency levels like causal consistency and eventual consistency. Finally, the article discusses transactions (reads and writes) in a distributed database environment.

2. **Reflection: Score: 2.5/2.5**
   The writing is simple to comprehend. It discusses the levels of consistency as well as the significance of performance in distributed systems. The article focuses on defining consistency in a distributed environment and clearly states the benefits and drawbacks of various levels of consistency (strong/weak).

3. **Development of Ideas- Score: 1/1**
   The concept of enhancing data consistency is presented in a well-structured and organized manner. Starting with defining consistency in a distributed database environment, the article is divided into seven paragraphs. The article discusses the strong (strict, atomic, sequential) and weak (causal, eventual) consistencies in organized fashion in the following paragraphs.

4. **Mechanics- Score: 1/1**
   The summary follows all the guidelines outlined in assignment 3 phase 1's instructions. It contains a two-page summary with Times New Roman 12pt type, one-inch margins on all sides, and 1.5 line spacing. It is written in a clear, typo-free format that allows a newcomer to understand the various levels of consistency.