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| animatedLOGO | **Assignment No. 02**  **Semester: Spring 2021**  **Software Engineering-1 (CS504)**  **Sample Solution File** | **Total Marks: 20** |
| **Assignment No. 2 covers lecture-8 to lecture-17.**   * You should submit your assignment before or on due date through the VULMS. * Your assignment should be your own work in your own words. It should not be copied from Internet, handouts or books. * Your Assignment solution must be in Microsoft Word document format. Assignment solution in other than Microsoft Word document will not be accepted. * Assignment sent via Email will not be replied and accepted. * If the submitted assignment does not open or file is corrupt, it will not be marked and hence awarded zero marks.   **Instructions:**  Please read the following instructions carefully before submitting assignment:  **Objectives:**   * To improve the learning of students related to Logical System Models. * To have hands on experience of Data Flow Modeling. | | |
| For any query about the assignment, contact at [CS504@vu.edu.pk](mailto:CS504@vu.edu.pk) | | |
| **Question#1: (5 Marks)**  **In DFD, the rectangle represents an external entity, the circle represents a process, and an arrow represents the data flow. You are required to enlist at least any two mistakes in the following DFD:**  **Solution:**  1) Process P3 has no output data flow.  2) External Entities “X” and “Z” communicate directly with each other without involving any process  **Question#2: (15 Marks)**  **Given the class StudentManager, which is identified as a low cohesive class, you are required to create a highly cohesive class(es) out of this class comprising of all essential elements: class name, attributes, and operations.**  **Text  Description automatically generated**  **Solution:** | | |
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