

Purdue University
Computer Science Department
CS44800 Homework 4 (Rubric)
Fall 2019

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| <p style="text-align: center;">Q1 Functional Dependencies <i>for each question (a)-(e)</i></p> | <p>-0.1 Missing or wrong answer.</p> | | | |
| <p style="text-align: center;">Q2 Functional Dependencies <i>(a) Sources</i></p> | <p>-0.25 Missing answer.</p> | <p>-0.15 Less than two sources.</p> | <p>-0.075 The source is either wrong or discussion is unclear or trivial. <i>for each source that is wrong</i></p> | |
| <p style="text-align: center;">Q2 Functional Dependencies <i>(b) Closure</i></p> | <p>-0.25 Missing answer.</p> | <p>-0.15 Wrong answer (either the discussion is trivial or does not address the question)</p> | <p>-0.10 Missing example.</p> | |
| <p style="text-align: center;">Q2 Functional Dependencies <i>(c) Lossless Join</i></p> | <p>-0.25 Missing answer</p> | <p>-0.15 Discussion without any clear or insightful comment about the importance of the lossless join property.</p> | | |
| <p style="text-align: center;">Q3 Isolation Levels <i>(a) Four levels</i></p> | <p>-0.25 Missing answer</p> | <p>-0.05 The discussion about the isolation level is wrong or incomplete.</p> | <p>-0.05 Missing discussion for an isolation level.</p> | |

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| Q3 Isolation Levels <i>(a)</i> <i>Types of Violation</i> | -0.25 Missing answer | -0.035 Wrong or unclear discussion about the violations prevented by the isolation level. <i>for each isolation level.</i> | -0.035 Wrong, unclear or missing example. <i>for each isolation level.</i> | |
| Q3 Isolation Levels <i>(a)</i> <i>Snapshot isolation</i> | -0.25 Missing answer | -0.15 Discussion without any clear or insightful comment. | | |
| Q4 Transactions <i>each schedule</i> | -0.10 Missing answer | -0.05 Wrong answer (a) and (b) | -0.025 Either answer (a) or (b) is wrong. | -0.015 Incorrect explanation (a). |
| Q5 Transactions (conflicts) <i>(a)</i> <i>Conflict Serializable</i> | -0.25 Missing answer. | -0.15 Wrong answer | | |
| Q5 Transactions (conflicts) <i>(b)</i> <i>Not Conflict Serializable</i> | -0.25 Missing answer. | -0.15 Wrong answer | -0.05 Incorrect explanation. | |