

Purdue University
Computer Science Department
CS44800 Homework 1 (Rubric)
Fall 2019

Q1 DBMS (a) Capabilities	-0.25 Missing answer	-0.10 Mention the capabilities, but without any discussion	-0.05 Answered everything properly but no detail or example is given
Q1 DBMS (a) Comparison	-0.25 Missing answer	-0.10 Missing discussion for either (b.1) or (b.2)	-0.05 Missing advantages of DBMS over (b.1) or (b.2) Note. -0.10 if you do not include the DBMS benefits for cases both cases
Q2 Integrity Constraints	-0.10 Less than four valid examples (two for each of the constrains asked).	-0.075 Incorrect example of integrity constraint (<i>for each</i>).	
Q3 DB Schema vs. State	-0.10 Incorrect definition (<i>for each</i>)	-0.025 Missing example missing for each – schema or state.	
Q4 Logical vs. Physical Independence (a) Definition	-0.10 Incorrect definition (<i>for each</i>)	-0.075 No clear example of either physical or logical independence	
Q4 Logical vs. Physical Independence (b) Harder to achieve	-0.10 Missing relevant example or discussion as to why one is harder.	-0.10 Wrong answer (<i>which one is harder to achieve?</i>)	

Q5 DBMS Components	-0.50 Missing answer	-0.25 Mention the components, but without any discussion	-0.15 Overall discussion is wrong or unclear
Q6 Transaction (a) Definition	-0.25 Missing answer	-0.15 Wrong or incorrect answer	
Q6 Transaction (b) Properties	-0.10 Mention the capabilities, but without any discussion	-0.05 Missing property (<i>for each</i>)	
Q7 Disk Block Access	-0.10 Missing discussion of why it is expensive.	-0.05 The discussion of the time components involved is either incorrect or does not contain relevant detail	