

Purdue University
Computer Science Department
CS44800 Homework 3 (Rubric)
Fall 2019

Q1 Relational Algebra <i>each question</i>	-0.25 R.A. is missing.	-0.125 One or more steps in the R.A. query are wrong. Using information of the database state (Fig. 5.6) not specified in the handout.	-0.05 All steps right in the R.A. query but with minor errors (e.g. error on filtering criteria, missing join condition, etc).
Q2 SQL Optimization <i>each query in (a)</i>	-0.125 Initial tree and optimization tree are missing	-0.05 Wrong initial tree	-0.05 Wrong optimization tree (missing steps or in incorrect order).
Q2 SQL Optimization <i>discussion in (b)</i>	-0.125 Discussion missing for each of the queries	-0.1 Discussion without any clear or insightful comment and less than 3 differences between each tree.	-0.05 Discussion with clear and insightful comments, but less than 3 differences between each tree.
Q3 Disk Storage <i>for each question (a)-(e)</i>	-0.25 Missing answer.	-0.20 Wrong answer for any of the values asked.	-0.05 Correct answer, but without including the formula and all the steps to get to the result.