

CS 265 Quiz 8

Name: _____KEY_____

Grade: ____/ 5

Honor code statement and signature: I understand that for this quiz I may NOT consult with other students regarding the quiz questions, nor can I share the quiz content before 8:00 AM Tuesday April 9 2013. I understand that I MAY consult the textbook, videos, course Web site, and my own notes, however. I understand that I can take NO LONGER than 15 minutes to complete the quiz from the time of download.

Your signature: _____

1. (2 pts) Circle all isolation levels for which dirty reads are allowed:

(a) Read Uncommitted (2 pts for (a) alone; 1 pt for (a) AND (b); 0 for any other combination of choices)

(b) Read Committed

(c) Repeatable Read

(d) Serializable

(e) None of the above

2. (3 pts) Consider the Book database that we have been using throughout (but where authors are identified by a particular AuthorId rather than a combination of name and birthdate).

Give the minimal authorizations (SQL operations together with the corresponding fields) that would be needed by a “user” to execute this command:

```
UPDATE Book
SET CopiesInStock = CopiesInStock + 100
WHERE Isbn IN (SELECT Isbn
               FROM WrittenBy
               WHERE AuthorID = 'Widom')
```

List the authorizations, each in the form “Operation (table.field)”

UPDATE(Books.CopiesInStock); SELECT(Books.CopiesInStock)
SELECT(Books.Isbn);
SELECT(WrittenBy.Isbn);
SELECT(WrittenBy.AuthorID)

0.5 pts for “free” + 0.5 for listing each of these correct five; -0.5 for any other