

Distributed Data Management

Sheet I (until 15.04.2010)

Please note that you need **50%** of all exercise points to be admitted for the final exams. Your current exercise success is tracked in IfIS HMS. Exercises have to be turned in until **Thursday** before or at the beginning of the next lecture.

Exercises should be completed in teams of two students each. Write both student names and “Matrikelnummer” on the first page. Also, clearly mark that your exercise is for the lecture “**Distributed Data Management**” (we have to sort all exercise in the mailbox manually...). If you have multiple pages, staple them together!

Please hand in your solutions on **paper** into the mailbox at the IfIS floor (Mühlenpfordtstraße 23, 2nd floor, opposite of elevator) or bring them to the lecture. You may answer in either German or English.

Exercise 1 (4 points)

Join this lecture in IfIS HMS at <https://www.ifis.cs.tu-bs.de:8181/hms>.

Exercise 2 (10 points)

Please answer briefly.

1. What is a DDBMS?
2. What is the difference between homogeneous and heterogeneous DDBMS?
3. What are the main characteristics of cloud storage systems?
4. What are the main characteristics of P2P systems?
5. Which features are characteristic for a relational database?