Introduction to Database Design (CS 6360)

Time and Schema Refinement (slides), Homework Four is available on elearning, due 12.02.14, 11:59pm.

Farkas

CSCE 5207 Problems of Relational Database Design
Loss of information
Schema Refinement and Normalization
R&G – Chapter 19

Lecture 14.

14. A TYPICAL RELATIONAL QUERY OPTIMIZER
15. SCHEMA REFINEMENT AND NORMAL FORMS
16. PHYSICAL DATABASE DESIGN AND TUNING

10,11. Relational. Appncatirms emphasis: A course that covers the principles of database systems into 3NF.

Schema Refinement in Database Design

19.7.1 Constraints. often done with the ER model
Logical (Database) Design translate ER into DBMS data model (e.g., Relational Model)

Schema Refinement consistency.

Database design case study - the internet flight booking system,
Requirements analysis, Conceptual and logical design, Schema refinement, Physical.

Decomposition, Normalization, Schema Refinement.


Total theory hours.

Learn how to create and modify schemas of tables and enter Logical Database Design: Translating ER Diagrams to (extra chapter 'Schema Refinement').

Fundamental database concepts: specification, design and applications, various models including the relational.

Schema Refinement and Normal Forms.
Catalog description: An introduction to the design, implementation and use of Database Design. • Logical DB Tuning: Schema Refinement & Normal Forms.

This workshop gives an introduction to GIS data modeling and the 3 phases of database design: requirements analysis, schema refinement, and physical. Conceptual database design with the ER model – Entity versus attribute, dependencies, examples motivation schema refinement, reasoning about functional dependencies.

The course treated fundamental principles of databases such as the relational model, conceptual design, and schema refinement. It also covered core database languages. Relation Algebra, SQL. Relational database design principles. Schema Refinement, Functional dependencies, 3rd normal form.

3.1 apply the database developmental cycle to a given data set
3.2 design a fully functional database

Database Design & Schema Refinement Professor Navneet Goyal.