Database Systems: design, implementation and & management

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P41

The relational model, first developed by E.F.Codd (of IBM) in 1970, represented a major breakthrough for both users and designers. To use an analogy, the relational model produced an “automatic transmission” database to replace the “standard transmission” databases that preceded it. Its conceptual simplicity set the stage for a genuine database revolution.

Arguably the most important advantage of the RDBMS is its ability to let the user/designer operate in a human logical environment. The RDBMS manages all of the complex physical details. Thus, the relational database is perceived by the user to be a collection of tables in which data are stored

P43 -44 advantges and disadvantages of relational dbs

P45

Although many different types of data-modeling tools have been developed during the past decade, the entity relationship (ER) model or ERM is a widely accepted and adapted graphical tool for data modelling. … The ERM yielded a graphical representation of entities and their relationships in a database structure. It is precisely this graphic data representation that popularised the use of ER diagrams as a tool for conceptual-level data modeling

//Talk about ajax,

//making multiple data sets on two axes

//dashboard implementation

//updating to allow loading to different projects

//handling different node types in the code with minimal user input. Hardcoded value, vs totally dynamic, vs approach taken, cons, pros and technical chalanges.

Restricting user input on dataType, method used, (need to finish) reason why.

Socket discussion, how do you identify each different stream, do you use a header? On each packet? Does the user setup a specific header for their application to identify the project?

P1

Potential applications sentence needs to be reworded

After test-cases, change requested to suggested

P5

Database design, add 7 and 8. Upload data/sockets

P6 change flag in dataedinitions to if dDType is GPSLat/Long

P12

8 lines of hadder add:(as interpreted by my code)

P13

Move chunks on multiaxis and multiple data sets to discussion 2 lines

Add work undertaken to programmatically add colums to dataTable

The need for a reset

Handling third data set

dataInput

move stuff on file upload and scoekts to here.

Organise into workflow section? One for data view, one for data upload, one for setup(done)

P15

Design decision with client, 2 axes, not client decision, mine

Still to add

AJAX on data selection

Topics

Languages: java, postgresql, javascript

APIs: JPA, JSF, google map/chart/dashboard. Comment on jquery

Tie in with points on multi-tier applications from previous report, each language == each tier

3 workflows, use, setup, upload

have separate section on each problem with solution, use workflow section as overview with links.

Design decision about reducing cognitive workload

Add guest account to view projects without upload

Handling moveable object