

Computer Parts Database

Zhongan Li & Benjamin Kwon

Computer Users

- About 50.1% of the world population uses Computers
 - 7,300,000,000 - [1]
- Computers and Access to the Internet are usually an important necessity in this day and age, especially for most American citizens
- But...

Database

- Allows you to access...
 - Computer Parts
 - Supplier
 - Price
 - Availability
 - Type of computer part
 - E.g. CPU, VIDEO CARD

Planning/Schema

part (ID, type, brand-id, name)

manufacturer (ID, name, nationkey, value)

supplier (ID, name, nationkey, value)

nation (nationkey, name)

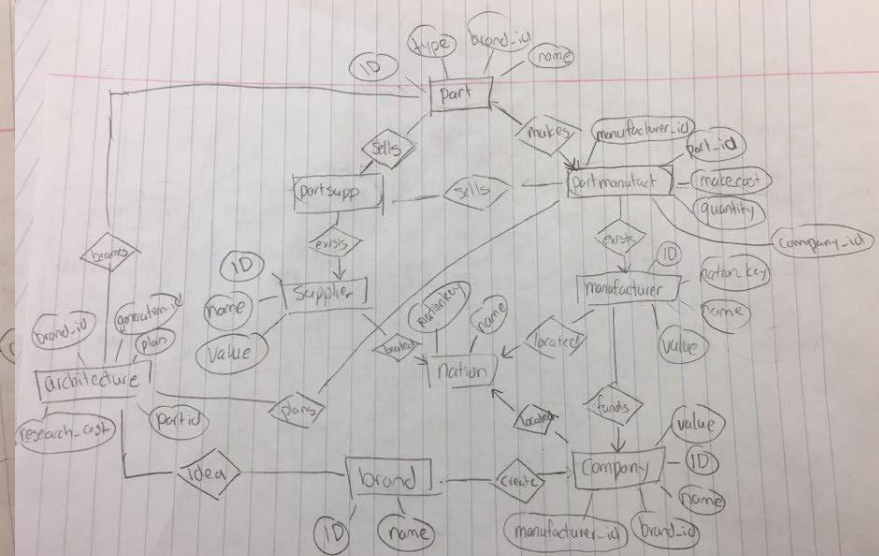
portmanufact (part-id, manufacturer-id, company-id, make-cost, quantity, architecture-plan)

partsupp (part-id, supplier-id, retail-price, availability, manufacturer-id)

company (ID, name, brand-id, manufacturer-id, nationkey, value)

brand (ID, name)

architecture (generation-id, generation-date, part-id, brand-id, research-cost plan)



Examples:

- Parts:
 - Intel Processors
 - AMD Processors
 - NZXT Cases
- Supplier:
 - Amazon
 - Newegg
 - Micro Center
 - ComputerUniverse
- Brands:
 - EVGA

User and Admin

The client is separated as Admin or User.

- Admin-
 - Update the database
- User-
 - Search the database

Implementation

- Relational Database using SQLite
- Application
 - Java
 - Console
- Interface
 - Console

Reference

- <http://www.internetworldstats.com/stats.htm> - [1]