

Job Search Database

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CPSC 408 Final Project

Problem & Solution

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- The Job / Internship search is difficult and stressful
- There are so many options, how can you find relevant jobs?
- How can I find more information on this job?
- We need a streamlined process
- Search our Job database
- Easy to find jobs with certain criteria
- Find your perfect career choice

Schema Diagram

Job Table

Job ID -- PK AI int
Job Title -- String(50)
Industry -- String(25)
Description -- String(100)
Company ID -- FK int
IsInternship -- boolean
→ true for Internship
→ false for Full Time

Manager Table

Manager ID -- PK AI int
Company ID -- FK int
Manager Name -- String(50)
Technical Experience -- boolean
→ true for yes
→ false for no
Years at Company -- int

Company Table

Company ID -- PK AI int
Company Name -- String(50)
Num Employees -- int
Yearly Revenue -- float(20, 2)
Stock Price -- float(20, 2)

Competition Table

Job ID -- PK int
Num Open Spots -- int
Num Applicants -- int

Related Job Table

(Optional Table)
Job ID -- PK int
Related Job 1 -- int
Related Job 2 -- int
Related Job 3 -- int
Related Job 4 -- int
Related Job 5 -- int

Location Table

Company ID -- PK int
Location Area -- String(25)
Street -- String(100)
City -- String(25)
State -- String(2)

Internship Table

Job ID -- PK int
Pay Period -- String(25)
Rate -- float(20, 2)
Season -- String(25)

Full Time Table

Job ID -- PK int
Num Stock Options -- int
Signing Bonus -- float(20, 2)
Salary -- float(20, 2)

Demo