

Proposal for Database to Help Parents of Children with Disabilities

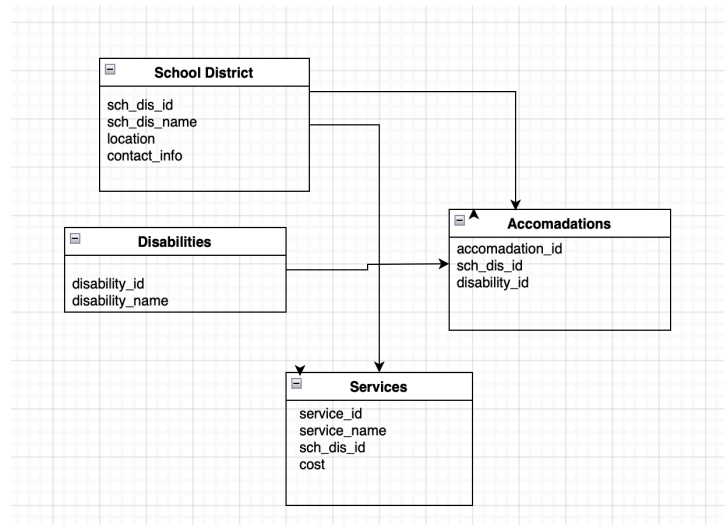
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EPPS 6354: Information Management
February 19, 2025

The whole purpose of education is to turn mirrors into windows— Sidney Harris

Database Purpose

Through this project, I aim to create a database to help parents of children with disabilities find the right school for their child. Individuals with disabilities experience significant gaps in post-secondary education attainment and earnings, particularly for those with invisible disabilities such as autism spectrum disorder (ASD), ADHD, or Learning disabilities. A mediating factor in improving academic performance and persistence. This project aims to create a simple database of school districts in the DFW region so that parents of children with disabilities can use it to consider a school that fits the needs of their child. While all schools are mandated to provide accommodations and special education for children, the quality and additional services offered by the school district may vary. This database will try to help parents see this information. I will collect this data from the websites of school districts in the DFW region- such as Plano ISD, Richardson ISD, Denton ISD, and so on.

Schema



Interface

The interface will look like a search bar where parents can look up school districts. There will then be a drop-down menu to be able to select accommodations, additional services or disability type.

Method

I will be using SQL, as discussed in class, to design this database. To create and use the database, I will use queries such as

- Create
- Select from
- Where
- Group by

I will use Database System Concepts by Abraham Silberschatz, Henry F Korth, and S Sudharshan (Chapter 3) to assist with my knowledge of this.

I will also scrape the data from the websites of independent school districts to assist with identifying accommodations provided by schools for both physical and invisible disabilities, as well as additional services provided

References

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