



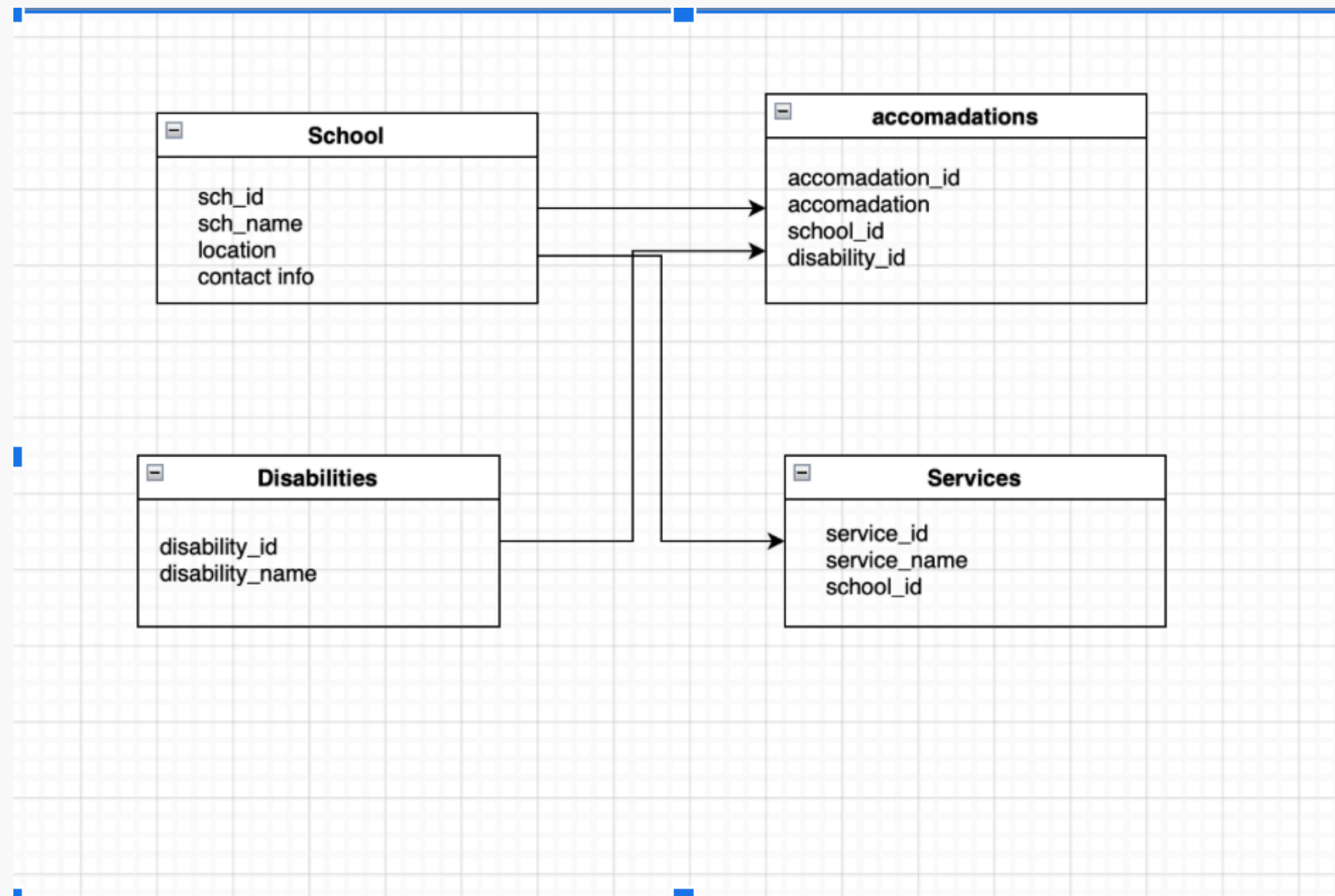
Information Management

Accommodations for Students With Disabilities in Plano and Richardson

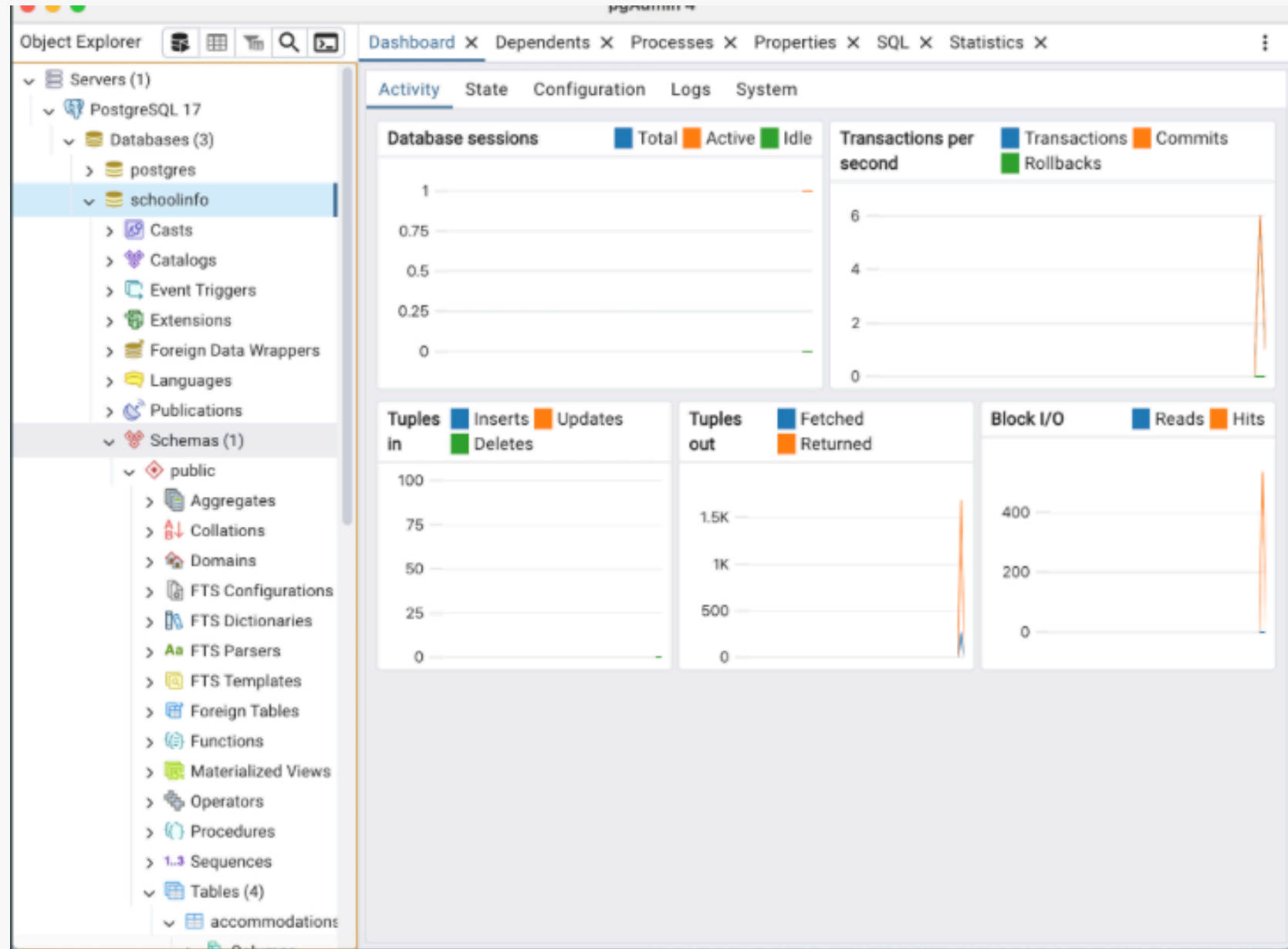
Ahana Samat












May 1, 2025





PostGRE



- >  Operators
- >  Procedures
- > **1..3** Sequences
- ✓  Tables (4)
 - >  accommodations
 - >  disabilities
 - >  schools
 - >  services
- >  Trigger Functions
- >  Types
- >  Views
- >  Subscriptions

R

```
# Load necessary libraries
library(shiny)
library(DBI)
library(RPostgres)
library(DT)

# Establish connection to PostgreSQL database

con <- dbConnect(
  RPostgres::Postgres(),
  dbname = "postgres",
  host = "aws-0-us-east-1.pooler.supabase.com",
  port = 5432,
  user = "postgres.ntkwdoefvlhsdzdmvodh",
  password = " ",
  sslmode = "require"
)

# UI
ui <- fluidPage(
  titlePanel("School Accommodations Viewer"),
  sidebarLayout(
    sidebarPanel(
      selectInput("zip_selector", "Choose a Zip Code:", choices = NULL) # Dropdown for zip code only
    ),
    mainPanel(
      h4("Accommodations for Schools in Selected Zip Code"),
      DTOutput("accommodation_table")
    )
  )
)
```

Shiny App
deployed globally
using Posit

<https://ahanasamat1.shinyapps.io/shinyapp/>

Next Steps

Add a subheading

Next Steps

While this was a very small database, it equipped me with skills to expand:

- Comparison of schools in DFW by school district
- State by State Comparisons of support services





Thank you

