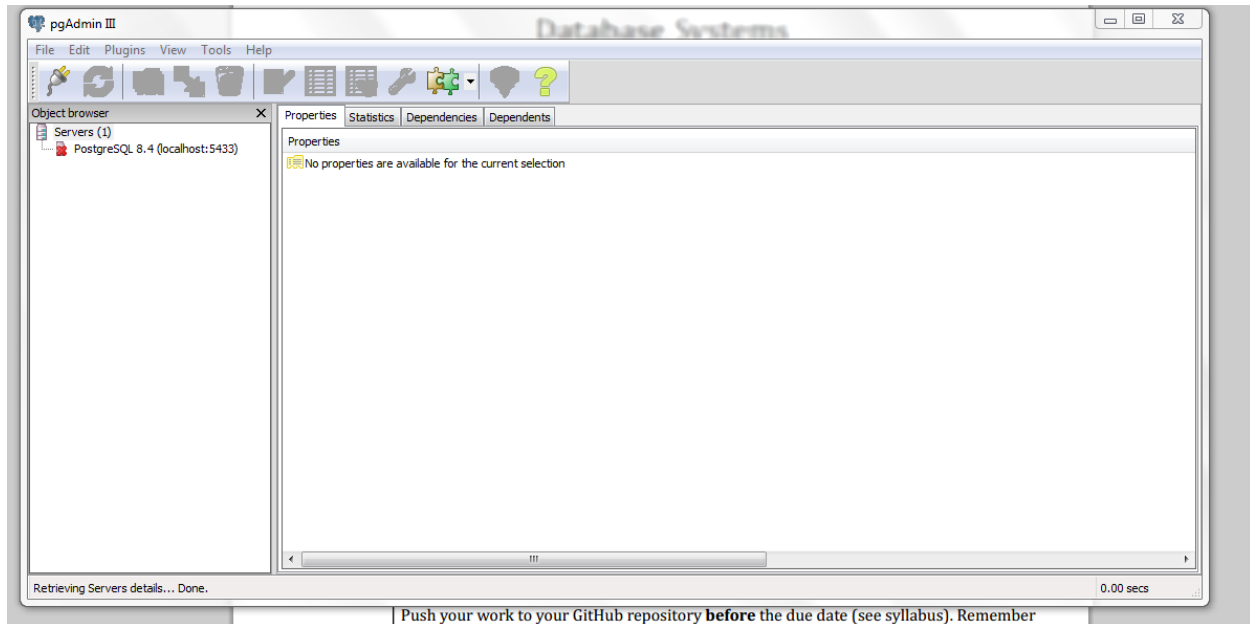Ryan Fredericks

Data Management

Assignment 1

Short essay #1: Data vs. Information - Select a database in use today (real or imagined) and identify the elements of "data" stored therein and describe how the database organizes the "data" into "information". Give contrasting examples of "data" and "information" that illustrate the meaninglessness of "data" without context and organization. Talk about the value the "information" provides once the component data is given context.

Short Essay #2: Data Models - Briefly describe the hierarchical and network prerelational data models. Explain their shortcomings in relation to the relational model. Considering this, what do you think of XML as a model for data storage?