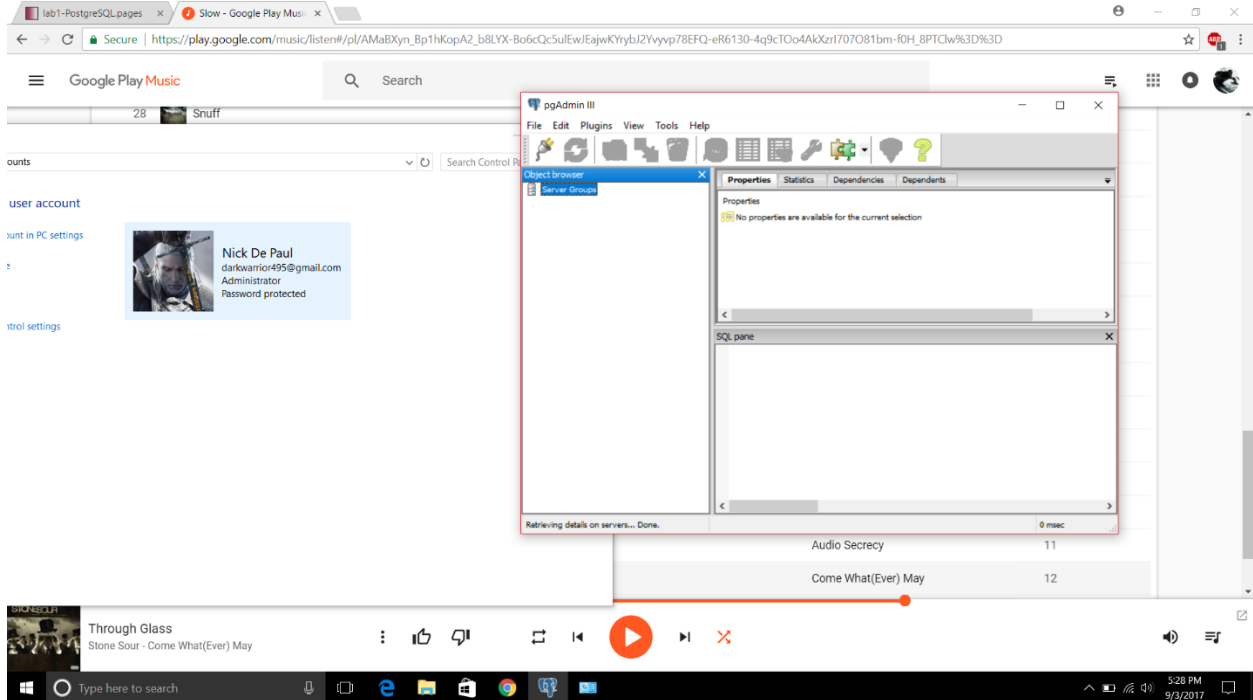


Nick DePaul

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## Lab 1

1.



2.

After taking Software Development 2 I have learned about databases. Let's refer to the following imaginary row: {Nick DePaul, 20, 1997, June, 12}. When your given a row with no context you can see that they mean nothing. You are not given a name, birth year, birth month, and birth day. It's just data with no meaning. Given context in a table we now know what each of them mean.

3.

A Hierarchical Data Model is a model that has layers. A Relational Data Model has abstract tables assembled by rows and columns. A Relational Data Model prevents duplication, while a Hierarchical Data Model allows duplication, which can sometimes lead to inconsistencies. I believe that XML is not as effective as a data model.