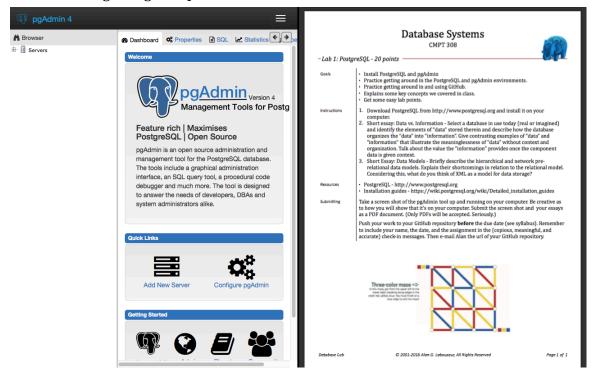
1. Installing PostgresSQL



- 2. The EA SPORTS FUT Database is a catalogue of soccer players around the world that are part of the FIFA Ultimate Team for the EA FIFA franchise. The database holds data about players through categories such as name, club team, nationality, age, rating, position, and contract expiry. Data or simply a particular fact about a random player such as club team (ex. Barcelona) is not useful until it is assigned to a particular player. Data is usually a specific data point under a certain category/character that a player would hold. But one these specific data points are assigned to players as a characteristics, information is created a the players. A player profile has information due to the organization of his/her collection of data concerning the categories. Someone is able now to search or organize players by rating, nationality, and many other characteristics that may be important.
- 3. Hierarchal database model organizes data into a tree-like structure. The data is stored as records through links. With a record being a collection of fields, with each field holding one value. A record in this type of model is identified as a row in a visual representation of a hierarchal database. Each child record has one parent record. But each parent record can have one or more child records. This system allows there to be one one-to-many relationship between two types of data, a parent and many child records Network database model is very similar to hierarchal except it allows each record to have multiple parent and child records. The idea is that it allowed a more natural and easier modeling of relationships between data/entities.

Relational database model is superior to both hierarchal and network models due to the increased flexibility and independence of data. Organizing data into tables, the relational model allows for an easier and cleaner representation of linked data and the ability to link tables through the use of keys. By using tables, the ability to turn data into information is aesthetically easier to represent in the relational model.

XML concerning databases allows data to be specified and stored in XML format. The data in turn can be searched, transformed, exported and returned. It is under the category of NoSQL with means it is not a relational database. The main reason to use XML as a database storage system is due to the increasing use of XML as a data transport and a XML database increases the unity of the data storage.