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The hierarchical and network data models were both at one point in time the primary data models used in order to display a database's structure. A visual description of a hierarchical model can be organized into a tree like structure. Data within the model is stored as records, and each child branches off of its parents in the formation of a tree like structure. The hierarchical model can be recognized as the first database model, which was first implemented by IBM in the 1960s. The Network model is considered to be the antecedent of the hierarchical model. The network model organizes data using two key constructs known as records and sets. The records contain the fields and the sets define the relationship that links the pieces of data. Several operational anomalies exist, for example; inserting, deleting and updating information can become strenuous due to the constant readjustment of pointers. With these disadvantages it would make more sense to use an XML model due to its easy to understand nature. XML allows its users to access its information throughout the internet using HTTP protocol, it can also prove to be a better option for transferring data from piece hardware or software to the next.