Data Model Description

**NoSQL Database:**

My.DI application is hosted on Google Firebase, which uses a NoSQL database to store and retrieve data. NoSQL databases do not use traditional relational tables, but opt for an easier and quicker method of storing and retrieving data. The structure of a NoSQL database is different in that instead of tables relating to one another, NoSQL consists of collections, documents and fields that are visually represented as a tree with numerous branches and leafs.

**Variables:**

* Database
  + A single container for collections. My.DI only has one database called “User”, which contains all the data the application will store and retrieve for each user
* Collection
  + Similar to a “table” in a relational database. My.DI has a collection for each social media account (Facebook, Twitter, Google+, LinkedIn) as well as a summary that contains reporting data.
* Document
  + Similar to a “row” in a relational database. My.DI has three documents (Profile, Photo, Post) for each social media account that is connected.
* Field
  + Similar to a “column” in a relational database. My.DI collects different information based on each social media account. For the “Report” document, My.DI stores Digital identity scores, grades, and percentile rankings.

