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To whom it may concern,

Over the course of the last two weeks, the number of users of our multilingual dictionary has grown. We now have more traffic to our site than google translate. Although we are very excited about this, we are filthy stinking rich now, we need to do some redesigning. Our SQL database is not set up to handle the large amount of concurrent users. We propose the following design, as outlined below.

To accommodate our rapidly growing database, we will likely migrate to a graph database implementation such as Neo4j. Our application shows related words among languages. A graph database is well suited because we can model words as nodes and the relations among words in various languages as edges. Modeling our data using a NoSQL implementation, without the overhead of a relational database will allow our application to scale for years to come.

With concern,
Jonathan Skaggs and Eric Burdett