DYNAMIC QUERY FORMS WITH NoSQL

VISHNU R[1] & SWAPNA HARI[2]

[1]Research Scholar, Department of Computer Science & Engineering, Marian Engineering College,

Trivandrum, Kerala, India

[2]Assistant Professor, Department of Computer Science & Engineering, Marian Engineering College,

Trivandrum, Kerala, India

ABSTRACT

The current trends in technology like Big data, Big user and Cloud computing that leads to the adoption of NoSQL. NoSQL means Not Only SQL. Today most of the applications are hosted in cloud and that are available through internet. They must support large number of users 24 hours a day, 365 days a year. This create an increase in number of concurrent users. So here needs a technique to handle large number of data. Proposes a novel dynamic query form interface(DQF) using NoSQL for database exploration of an organization. Here use a document oriented NoSQL database ie, MONGODB. MONGODB support dynamic queries that do not require predefined map reduce function. The generation of a query form is an iterative process and is guided by user. At each iteration, system automatically generate ranking list of form components and user adds the desired form component into query form then submit queries to view query result. There are two traditional measures to evaluate the quality of query result i.e.: precision and recall. From the quality measures we can derive overall performance measures as F-measure.

KEYWORDS: Query Form, NoSQL, User Interaction