# HIGH PERFORMANCE WEB PAGE ACCESS USING MONGODB IN BANKING SECTORS

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***Abstract:*** ***MongoDB is one of the NoSQL data bases.MongoDB applications are very much useful in large data handling and web page accesses. The standard web pages are tricky to fetching the data from the RDBMS databases but MongoDB is light weight tool so very easy to access the web pages.MongoDB is not using the table format instead of it is store document format. MongoDB increasing the performance of web page access because it is using the BSON format.***

***Index Terms: MongoDB, NoSQL, BSON, RBMS.***

## I. INTRODUCTION

MongoDB is a dynamic database. Itsrole in the larger information handling and maintaining. MongoDB is a document oriented database. Ordinary webpages are taking extratime to opening the webpages. To solve this issue, this papersuggests High performance web page access with fetching and storing data faster than RDBMS databases. Which is carried out improve the web page access without delay. Today internet world expects handling more data without any complexities. MongoDB is compatible with high level languages java and C#.

## II. PROPOSED WEB PAGE ACCESS

The proposed web page access technique web API fetching data from MongoDB database. MongoDB is a schema less one which allows to store one collection different documents.

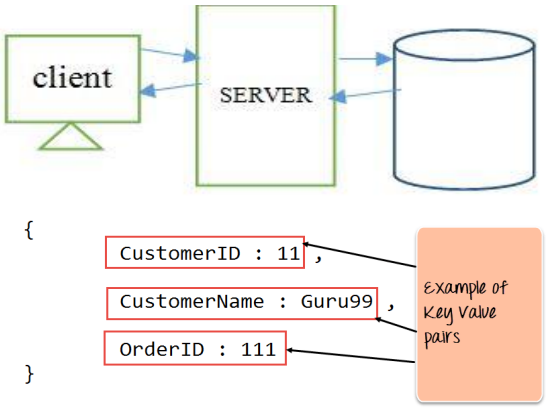



Fig - I Web page access

## III. MONGODB USES IN BANKING SECTORS

Banking Sector needs to maintain the large and different type of data so they are using the RDBMS databases but RDBMS having some complexities and need to use joins and complexed queries to fetch and store the data.MongoDB overcome the problem of complex joins, schema less and easy to scale and so on.

### *A. MongoDB working model*

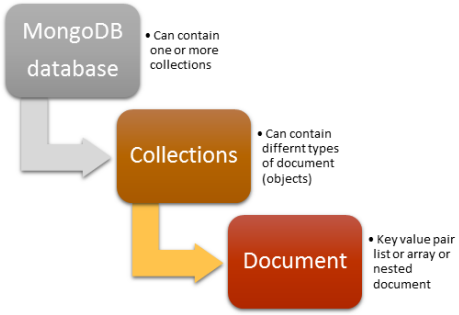


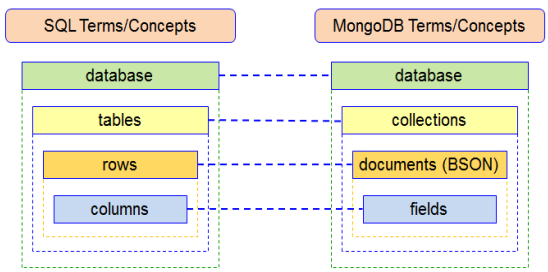

Fig-2 MongoDB working model

The MongoDB working model explains the document is contains the key value pair data or array or any document which is BSON format. The next step is collections which holds different types of document.

```
{
        _id: ObjectID('4bd9e8e17cefd6'),
        Customer name:'Arunsuriyan',
        Age: '28',
        Services: [‘savings’, 'cards', ‘rd'],
        Address: {
        House no: '12B',
        Block: 'B',
        Sector: 12,
City: 'Pudukkottai',
                },

Withdrawal: [   {
                        ATM: 'saidapet',
                        Amount: 1000
                        },
                        {
                        ATM: 'saidapet',
                        Amount: 1000
                        }
                ]                                       }
```

### *B. RDBMS vs MongoDB*



## IV. MONGODB FOR .NET APPLICATION

.Net framework supports the MongoDB database. In step one downloading the drivers
and add the references

```
usingMongoDB.Bson;
usingMongoDB.Driver;
usingMongoDB.Driver.Builders;
usingMongoDB.Driver.GridFS;
usingMongoDB.Driver.Linq;
```

Second step is connecting with database

```
const string ConnectionString =
"mongodb://localhost/?safe=true";
var server = MongoServer.Create(Connection String);
var blog = server.GetDatabase("blog");
```

Next step is working with collections, querying and adding with the blog these are the steps need to .Net application can access the MongoDB.

## V. IMPLEMENTATION

The proposed system is implemented using C#.NET and MongoDB. To evaluate the effectiveness of the proposed method. Performance is measure using the speed of web page access.

## VI. CONCLUSION

The Banking Sector is handling huge amount of data as well as customer's transaction access should be fast. MongoDB is faster than the RDBMS databases like SQL, ORACLE and MySQL. When using the MongoDB which gives high performance web page access.

## REFERENCES

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