“THE” Binder

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Abstract— "THE" BINDER is the combination of Transportation, Healthcare and Education. It is a web application based on Big Data technology. In this project we are going to analyze the data of transportation, healthcare and education sectors. The main goal of this project is to help the users to retrieve the required information easily through one application. This application is useful to common people as well as to the organizations belonging to the 3 sectors.

Keywords— Transportation data analysis, Healthcare data analysis, Education data analysis, Data Processing on Large Clusters

I. INTRODUCTION

“THE" BINDER is the combination of Transportation, Healthcare and Education. It is a web application based on Big Data technology. In this project we are going to analyze the data of transportation, healthcare and education sectors. The main goal of this project is to help the users to retrieve the required information easily through one application. This application is useful to common people as well as to the organizations belonging to the 3 sectors. Management staff of airline can use our application to find the food items mostly ordered by the passengers so that the airline can introduced new food item for the passengers. Government can use our application to find the schools which are using new technology. This application can also be used to find medicines stock update in healthcare sector.

II. LITERATURE SURVEY

Shikha Anirban [1] says that through the proper use of big data analytics the revolutionary development on the education sector could be achieved. Instead of some innate challenges, big data analytics can represents customized learning environments to the learners, can reduce potential dropouts and failure and can develop long term learning plans.

All of these are possible through the effective development and use of big data analytics in the educational institutions.

Jeffrey Dean and Sanjay Ghemawat [2] say that the MapReduce programming model has been successfully used at Google for many different purposes. We attribute this success to several reasons. First, the model is easy to use, even for programmers without experience with parallel and distributed systems, since it hides the details of parallelization, fault-tolerance, locality optimization, and load balancing. Second, a large variety of problems are easily expressible as MapReduce computations. For example, MapReduce is used for the generation of data for Google's production web search service, for sorting, for data mining, for machine learning, and many other systems. Third, we have developed an implementation of MapReduce that scales to large clusters of machines comprising thousands of machines.

Antony Basco J and Senthilkumar N C [3] say that the conversion of consuming classy machineries by healthcare consumers to achieve insights from clinical datasets and make knowledgeable judgments had transformed by Big Data Analytics. With the help of Hadoop and MongoDB, the concept of achieving effective data driven services to patients by means of predications has been made possible.

Roberto V. Zicari, Marten Rosselli, Todor Ivanov, Nikolaos Korfiatis, Karsten Tolle, Raik Niemann and Christoph Reichenbach [4] say that effective benchmarks for big data help the customers pick the optimal technology, help the vendors improve their products, and finally help researchers understand the differences of big data technologies on their path to optimize organizational and technical processes.
III. METHODOLOGY

IV. IMPLEMENTATION

START
LOGIN

AUTHENTICATION
NO
YES

USER ENTERS REQUIREMENT

ANALYSE DATA

DISPLAY RESULT

LOGOUT

END

Home page

HOW TO EXPLORE ??

Registration Page
V. Conclusion & Future Work

In this semester we have successfully completed the documentation of our project. Adopting a spiral model approach is a fundamental change in working practices for the management team and everyone else involved in this project. Successful iterative and incremental developments require a progressive and adaptive approach to be taken to the management of the project and require the whole team to embrace change and the continual improvement that this change will help to produce exponential height in project. We have collected the datasets and integrated the datasets. In next semester we will do application backend coding, application front end Testing and Deployment work will be done in future. We will also analyze the large amount of data using Hadoop.

REFERENCES


