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International Journal of Current Research Vol. 6, Issue, 04, pp.6236-6237, April, 2014 INTERNATIONAL JOURNAL OF CURRENT RESEARCH

RESEARCH ARTICLE

DASHBOARD BUILDER

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ARTICLE INFO	ABSTRACT
	This paper introduces a Dashboard Builder for easily build and customize Business Intelligence

Article History: Received 26th January, 2013 Received in revised form 24th February, 2014 Accepted 10th March, 2014 Published online 23rd April, 2014

Key words: Data warehousing, Online analytical processing (OLAP), Exclusive Information System (EIS).

This paper introduces a Dashboard Builder for easily build and customize Business Intelligence information dashboards. Dashboard Builder provide very intuitive environment for dynamically creating, rearranging, searching and exploring multiple visual data representation. In industry there is very less time to analyze and make decisions of the company. In highly mechanized world one has very little time to care about filling all the details and keeping a constant check on its dynamic changes. Thus there is a requirement of the system which helps us to maintain relationship with the data in the perfect way without wasting much time. Dashboard Builder for easily build and customize Business Intelligence information dashboards. Dashboard Builder provide very intuitive environment for dynamically creating, rearranging, searching and exploring multiple visual data representation. In industry there is very less time to analyze and make decisions of the company. In highly mechanized world one has very little time to care about filling all the details and keeping a constant check on its dynamic dynamically creating, rearranging, searching and exploring multiple visual data representation. In industry there is very less time to analyze and make decisions of the company. In highly mechanized world one has very little time to care about filling all the details and keeping a constant check on its dynamic changes. Thus there is a requirement of the system which helps us to maintain relationship with the data in the perfect way without wasting much time.

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INTRODUCTION

The project is about the creating the dashboard using the tool called Dashboard Builder. Dashboard builder is software tool for the customer those who want to create the dashboard for their business application. Dashboard Builder is a Business Objects Dashboard and Analytics application that helps you manage and track your company's performance using analytics and dashboards, as well as schedule the refresh of metrics, sets, control charts, Predictive models and analytics. We have scope of project in different business organization which require the quick view of their organizational status at a glance. Every organization will use this tool for creating their dashboard as per their requirement. In many respects, "dashboard" is simply a new name for the Executive Information System (EIS) first developed in 1980's. These implementations remained exclusively in the offices of executive and never numbered more than few, so it is unlikely that you've ever actually seen one. The usual purpose of an EIS was to display a handful of key financial measure through a simple interface that even executive could understand. Though in limited scope, the goal was visionary and worthwhile, but ahead of its time. Aback methodologies and given shape to the necessary technologies, the vision simply wasn't practical; it couldn't be realized because the required information was incomplete unreliable and spread across too many disparate source. During the 1990's data warehousing, online analytical processing (OLAP)

*Corresponding author: Nishikant Kawale, Department of Computer Engineering, Sinhagad Institute of Technology, Lonavala and eventually business intelligence worked as partners to tame the wild onslaught of the information age. What really caused heads to turn in reorganization of dashboard as much more than your everyday fielding technology. Put the new pressure on corporation to demonstrate their ability to closely monitor what was going on in their mind and to thereby assure shareholders that they were in control. The marketplace soon offered a vast array of dashboard software from which to choose.

Problem statement

Provide a solid, stable platform for developing dashboard. Offers a easy to use custom dashboard builder to pull visual information for better decision making. This should be customizable to build various kinds of dashboard to meet there customer's requirements .Should support various widgets like charts, tables, tag cloud and custom visual.

Existing systems

Most of the dashboard that are used in business today fall for short of their potential. The root of the problem is not technology at least not primarily but poor visual design. To serve their purpose and fulfil their potential, dashboard must display a dense array of information in small amount of space in a manner that communicates clearly and immediately..

Proposed system

The tool is basically a web application that can be used or viewed in a browser. The User can start creating a dashboard

by Providing title and description of the dashboard and then by using One of the default Layouts provided within the application. After the Layout selection, User will land On the Widgets Selection Page. Here User can drag and drop Widget from the widgets Pane and Use in the dashboard. While dropping the widget to the dashboard, User needs to provide Properties related to the Widget.

Application

There to design dashboard that really works, you must always focus on the fundamental goal: communication. More than anything else you must care that the people who use your dashboard can look at them and understand them simply, clearly and quickly. Dashboard designed for any other reason, no, matter how impressive or entertaining, will become tiresome in a few days and will be discarded in a few weeks and few things are more discouraging than having your hard word tossed aside as useless.

Categorizing dashboards

Dashboard can categorize in several ways. No matter how limited and flawed the effort, doing so is useful because it helps us to examine the benefits and many uses of the medium.

Dashboard for strategic purpose: The primary use of dashboard today is for strategic purpose. They provide the quick overview that decision makers need to monitor the health and opportunities of the business. Dashboard of this type focus on high-level measures of performance, including forecasts to light the path into the future.

Dashboard for analytical purpose: Dashboard that support data analysis requires a different design approach. In these cases the information often demands greater context, such s rich comparisons, more extensive history and subtler performance evaluator .Analytical dashboard benefits from static snapshot of data that are not constantly changing from one moment to next. Dashboard should support interaction with data.

Dashboard for operational purpose: The characteristic of operations that uniquely influences the design of dashboard most is their dynamic and immediate nature. Operational dashboard must have the means to grab your attention immediately if an operation falls outside the acceptable threshold of performance.

Conclusions and future work

We have presented dashboard builder project. A system that allows user to easily create, design, configures and interacts with business intelligence visualization dashboards. Further work is needed to gain more insights in how novices use dashboards. As study participants were not data experts, it could be interesting to see if our findings extend to data experts. Moreover, it would be interesting to observe novice user exploration behavior in a long-term study. Finally, our work focused more on the user interface design and use in a visualization environment for novices, and less on the insights gained from the data. Clearly this an avenue of future works.

Acknowledgment

We express our thanks to all those who have provided us valuable guidance towards the completion of this project as part of the syllabus of bachelor's course. We express our sincere gratitude towards co-operative department who has provided us with valuable assistance and requirements for the system development. We hereby take this opportunity to record our sincere thanks and heartily gratitude to our Project guide Prof. A. B. Pawar for his useful guidance, making available to us his intimate knowledge and experience in making dashboard Builder as project. We are also thankful to our project co-ordinator Prof. J. P. Chavan for their constant enlightenment and motivation which has been highly instrumental in making our project. The acknowledgment will be incomplete if we do not record our sense of gratitude to our HOD of the Computer department, Prof. T. J. Parvat and Principal Dr. R.S.Gaikwad who gave us necessary guidance, encouragement by providing us all the facilities to work on this project.

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