CLOUD BASED FACTOR USING HUMAN RESOURCE

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1. ABSTRACT

Dynamic Intranet plays a typical role and acts like a link between Units of an Organization usually a corporate company .The main objective of "CLOUD BASED FACTOR USING HUMAN RESOURCE" is to introduce computerized system in a widely spread organization which can be used as a resource for private network, in order to fulfill the basic needs of an Organization like Information sharing, Communication, Document Viewing as well as sharing. This also helps to provide an easy and fast interface for the employees of an Organization to perform their tasks quickly and efficiently .By providing this entirely private network the information regarding the Organization can be fetched from any corner of the world in a highly secured manner.

2. INTRODUCTION

Distributed computing is empowering human asset (HR) the board capacities to incorporate into business activities decisively. Its going about as a unique advantage for HR in the midst of extraordinary contest to make due and develop. Advanced interruption, change, spryness has set the new benchmarks for associations to mechanize and upgrade their capacities. Distributed computing offers HR a totally new aspect with cloud driven benefits like decrease in correspondence hole, expanded hierarchical greatness, viable ability systems, information driven navigation, and supporting income in associations. Distributed computing has the right capacity to overhaul significant HR capacities with nimbleness to match the changing necessities of business, mechanizing conditional exercises, more brilliant navigation and meeting the business assumptions. Utilization of HR cloud in association can result into primary advantages past innovative headways. Cloud HR gives associations adaptability of area, brief data handling, viable utilization of information investigation and key navigation. This paper talks about courses through which distributed computing could be incorporated into HR capacities. An examination on uses of distributed computing in human asset regions with their results is likewise introduced in this paper. A concise note on future possibilities of distributed computing in HRM is additionally examined.

3. LITERATURE SURVEY

By research we found that in India and some other industrialized country the vehicle production is becoming more robust. So the need for the newer and faster testing methods has also increased. Our Project helps to decrease the time consumption for testing the Electronic Control Unit (ECU).

In[2] The Author had insisted on Using PXI chassis for the project. The PXI undercarriage gives the means by which the entire PXI test framework can be kept intact. It offers the types of assistance which the singular cards expect for the activity. It likewise gives everything from the mechanical card holders to the power supply and the air cooling expected in such a thickly stuffed volume

In[3] We Researched about Interfacing CAN with Lab view Software. The PXI-8512 is a high-speed Controller Area Network (CAN) Flexible Data-rate (FD) interface for developing applications with the NI-XNET driver. The PXI-8512 excels

in applications requiring real-time, high-speed manipulation of hundreds of CAN frames and signals, such as hardware in the loop simulation, rapid control prototyping, bus monitoring, automation control, and more.

In[4] We Learned about the architectures used in the LabVIEW to done the code in effective way.

In[5] We Researched about Fault insertion units (FIUs). Fault insertion units (FIUs) are designed to insert fault conditions between automated test equipment, such as hardware-in-the-loop (HIL) simulation systems, and devices under test (DUTs).In[6] The author insisted about the idea of

using MFC card which gives DO, AO, DI, AI and CO in a single card

4.HARDWARE AND SOFTWARE

Requirements:

- **4.1 Hardware requirements:**

Content	Description
HDD	20 GB Min 40 GB Recommended
RAM	1GB Min 2GB Recommended

- **4.2 Software requirements:**

Content	Description
OS	Windows XP with SP2 or Windows Vista
Database	MY-SQL server 2005
Technologies	PHP
IDE	Ms-Visual Studio .Net 2008
Browser	IE

5.ARCHITECTURE

The current application is being developed by taking the 3-tier architecture as a prototype. The 3-tier architecture is the most common approach used for web applications today. In the typical example of this model, the web browser acts as the client, IIS handles the business logic, and a separate tier MY-SQL Server handles database functions. Although the 3-tier approach increases scalability and introduces a separation of business logic from the display and database layers, it does not truly separate the application into specialized, functional layers. For prototype or simple web applications, the 3-tier architecture may be sufficient. However, with complex demands placed on web applications, a 3-tiered approach falls short in several key areas, including flexibility and scalability. These shortcomings occur mainly because the business logic tier is still too broad- it has too many functions grouped into one tier that could be separated out into a finer grained model.

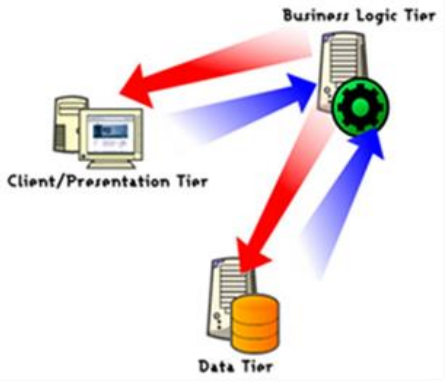


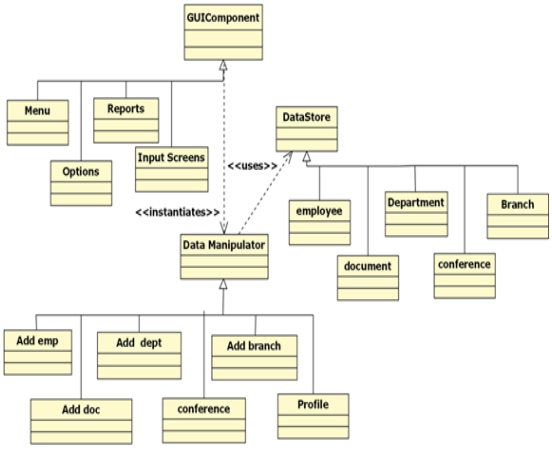
Fig 1(grained model)

6. NETFRAMEWORK CLASS LIBRARY

The .NET Framework class library is a collection of reusable types that tightly integrate with the common language runtime. The class library is object oriented, providing types from which your own managed code can derive functionality. This not only makes the .NET Framework types easy to use, but also reduces the time associated with learning new features of the .NET Framework. In addition, third-party components can integrate seamlessly with classes in the .NET Framework.

For example, the .NET Framework collection classes implement a set of interfaces that you can use to develop your own collection classes. Your collection classes will blend seamlessly with the classes in the .NET Framework.

7. BLOCK DIAGRAM



8.SERVER APPLICATION DEVELOP

Server-side applications in the managed world are implemented through runtime hosts. Unmanaged applications host the common language runtime, which allows your custom managed code to control the behavior of the server. This model provides you with all the features of the common language runtime and class library while gaining the performance and scalability of the host server . The following illustration shows a basic network schema with managed code running in different server environments. Servers such as IIS and SQL Server can perform standard operations while your application logic executes through the managed code

9. PROCESS MODEL

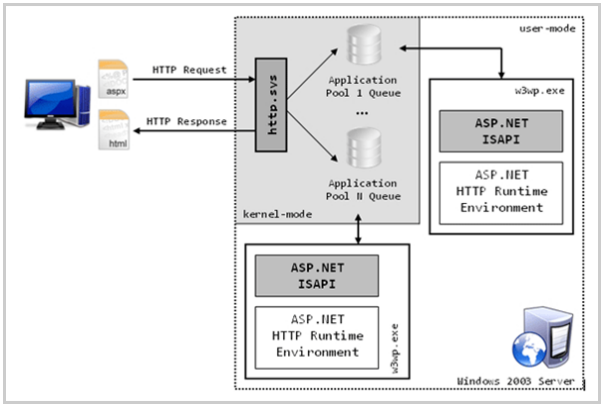


Fig2(Architecture)

10. RESULT AND OUTPUT

The project is identified by the merits of the system offered to the user. The merits of this project are as follows: -

It's a web-enabled project.This project offers user to enter the data through simple and interactive forms. This is very helpful for the client to enter the desired information through so much simplicity.

The user is mainly more concerned about the validity of the data, whatever he is entering. There are checks on every stages of any new creation, data entry or up dation so that the user cannot enter the invalid data, which can create problems at later date. User is provided the option of monitoring the records he entered earlier. He can see the desired records with the variety of options provided by him.Data storage and retrieval will become faster and easier to maintain because data is stored in a systematic manner and in a single database

11. CONCLUSION

It has been a great pleasure for me to work on this exciting and challenging project. This project proved good for me as it provided practical knowledge of not only programming in PHP and C#.NET web based application and no some extent Windows Application and SQL Server, but also about all handling procedure related with **"CLOUD BASED FACTOR USING HUMAN RESOURCE".** It also provides knowledge about the latest technology used in developing web enabled application and client server technology that will be great demand in future. This will provide better opportunities and guidance in future in developing projects independently.

12. FUTURE SCOPE

This System being web-based and an undertaking of Cyber Security Division, needs to be thoroughly tested to find out any security gaps.A console for the data centre may be made available to allow the personnel to monitor on the sites which were cleared for hosting during a particular period .Moreover, it is just a beginning; further the system may be utilized in various other types of auditing operation viz. Network auditing or similar process workflow based applications

13. REFRENCES

[1] Kalkman, Cor J. "LabVIEW: A software system for data acquisition, data analysis, and instrument control." Journal of clinical monitoring 11, no. 1 (1995): 51-58.

[2] Polakow, G., & Metzger, M. (2006). Programming lab view-based producer/consumer communication for distributed control systems. IFAC Proceedings Volumes, 39(21), 322-327.

[3] Krejci, P., Bradac, M.: Using Lab VIEW for Developing of Mechatronic System Control Unit. In: 9th International Conference on Mechatronics Mechatronics:

[4]Recent Technological And Scientific Advances, Warsaw, Poland (2011) WOS:000309670600038

[5]Wasicek, A. and Weimerskirch, A., "Recognizing Manipulated Electronic Control Units," SAE Technical Paper 2015-01-0202, 2015, https://doi.org/10.4271/2015-01-0202.

[6]Ramaswamy, D., McGee, R., Sivashankar, S., Deshpande, A., Allen, J., Rzemien, K. and Stuart, W., 2004. A case study in hardware-in-the-loop testing: Development of an ECU for a hybrid electric vehicle (No. 2004-01-0303). SAE Technical Paper.