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## HR VISSA DATA PROCESSING SYSTEM FOR EMPLOYEERS

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### ABSTRACT

Human Resource a Very important Department in any Organization. Our Project gives the depth solution to one of its important requirements as Visa Data Processing. The client of this project is any organization who is having many abroad clients especially US clients. This type of organizations is frequently sending their employees for their overseas clients. Our project is used to process their visa and store all the details regarding the passport holder. Our project will handle all type of visas, and very much concentrate in H1B visa processing. It will generate all possible reports, which are need by Consulate. It is a Client Server Project, Admin probably HR Manager can be able to create many no.of users and the users are called as HR Executive. HR Manager will describe the utilities accessed by an HR Executive.

### 1. INTRODUCTION


The VISA is Visitors International Stay Admission. VISA is considered as one of the most important document when a person is travelling to some other country. A Visa is an endorsement placed within a passport that grants the holders official perssion to enter, leave or stay in a country for a specified time period. The purpose of this software specification (SS) is to establish the major requirements & Specification necessary to develop the Software Systems for the Developers. The overall objective of the Team Project is to establish a web-based. The goal of this document is the same as any requirements document, to lay out all requirements of the application in order to have both the developers and the end users maintaining the same understanding and expectations from the application. The project requirements will define, in general terms, the setup of the web site, topics for available information concerning the Software Project Management.

### SCOPE

This H1B Visa Processing is a web-based application for Horizone Technologies, who is going to give the other processors.

### GENERAL DESCRIPTION

This web-based application is for the employees of an organization for processing their visa applications. HR Manager is considering as Site Admin and he is having the control over all the users. Hr Manager can create any no of Hr Executive logins and authenticated them. Hr Executives are the responsible persons to execute the process of Visa applications and their Onsite Details. Company Employees, those who are willing enquire about visa status are able to login into this portal. Their

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empID is considered as username and their password will be given by Company HR during his/her joining. Onsite employees may apply for visarenewal thro this project.

## OBJECTIVE

The client of this project is any organization who is having many abroad and US clients. This type of organizations is frequently sending their employees for their US client. Our project is used to process their visa and store all the details regarding the passport holder. Our project will handle all type of visas, and very much concentrate in H1B visa processing. It will generate all possible reports, which are need by Consulate.

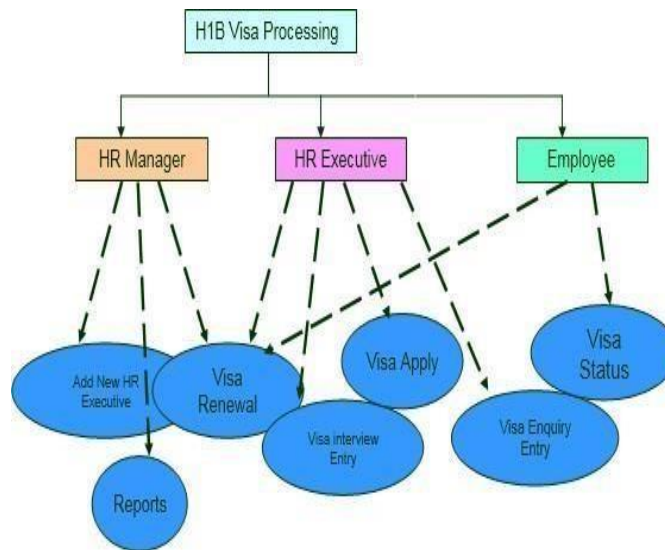



Fig:1 visa data processing

## 2. LITERATURE SURVEY

Hr Visa Data Processing System For Employees is an information system that tells about the processing of a thing (in this case it is visa). Instead of a visa applicant travelling to the embassy or consulate concerned, he or she just need to fill all the necessary web forms online and upload all the supporting documents. This system is characterized by its decision making ability as well as its management and scheduling abilities. It is an information system basically and also decision making, management and scheduling system.

Information and information systems that support information technology are essential business assets, their availability, integrity and confidentiality are essential to maintain competitive edge, cash flow, profitability and legal compliance and respected company image. **Odigie (1996)** in Apanapudor, **J.S. et al (2006)**, opined that information is the corner stone of any business establishment; In addition, he said that the channels or information systems through which this information is received are very important. Hence it is essential for any establishment to ensure that sound and effective Information systems are in

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place. **Mandell (1986)** in Apanapudor, J.S. et al, said that information system provides stand and reports and most recently, they provide information, that support decision making.

Within an organization, we can identify three levels of management and corresponding levels of decision making. The diagram below shows the levels.

### **TRANSACTION PROCESSING SYSTEM (TPS)**

A TRANSACTION PROCESSING SYSTEM (TPS) is a system that captures, the information and documents necessary for running the business. Transaction systems can be a single system or a sub set of an organization's operation system recording the work done (data). Data captured by a TPS support day-to-day, routine operations by being made accessible to those parts of the organization (as well as to external entities) where they are needed. Secondly, they feed the management reporting system and produce performance reports about the effectiveness and efficiency of the operations. The usefulness of transaction data goes beyond mere operations because large volumes of detailed data can be used as a historical reference for forecasting, identifying trends, and measuring performance among others.

### **MANAGEMENT INFORMATION SYSTEM (MIS)**

A management information system MIS is a formal information network using computers to provide management with information necessary for decision taking. The fundamental objective of an MIS is to get the correct information to the appropriate manager at the right time.

### **DESIGN ALTERNATIVE STRUCTURES OF MANAGEMENT INFORMATION SYSTEMS :**

When an organization establishes an MIS, it has behind its mind the sole purpose of organizing the activities of the organization. Hence such an MIS must be structured in such a way to reap all necessary benefits of integration.


There are quite a number of alternatives the analyst faces in making choice. Among these are

- Centralized design MIS
- Decentralized design MIS
- Hierarchical design MIS
- Distributed design MIS

Schools also make use of management systems notably course management system. Industry experts estimate that more than 90% of U.S. colleges and universities use course management systems. These systems are used to post and distribute tens of thousands of copyrighted articles, book excerpts, charts and research data every year. Although many institutions are working hard to address intellectual property issues associated with such usage, copyright policy for course management systems remains inconsistent across campuses and among individual users.

### **A LOOK AT SCHENGEN STATES AND VISA APPLICATION**

According to the European Union, via their commission on <http://ec.europa.eu/vis>, 'The Schengen states make use of Visa Information System (VIS). This VIS is a system for the exchange of visa data

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between Schengen States. The implementation of the VIS is a key element of the common visa policy, which together with other policies allows the European Union to establish an area of freedom, security and justice. The main objectives of the VIS are to facilitate visa application procedures, to facilitate checks at external borders and to enhance security.

The Schengen states VIS have a centralized database which external border and consular post will be linked/connected to. In pursuit of the aforementioned, the VIS is progressively being rolled out in the different regions of the world, starting with North Africa (Algeria, Egypt, Libya, Mauritania, Morocco and Tunisia), the Near East (Israel, Jordan, Lebanon and Syria) and the Gulf Region (Afghanistan, Bahrain, Iran, Iraq, Kuwait, Oman, Qatar, Saudi Arabia, United Arab Emirates and Yemen).

The data entered in the VIS is subject to strict data protection rules, including Directive 95/46/EC and Regulation EC 45/2001. Though the VIS holds data for a maximum period of five years, it is expected to include approximately 80 million visa applications. The VIS contains biographic and biometric data of persons applying for a Schengen visa.

### 3. EXISTING SYSTEM

This web-based application is for the employees of an organization for processing their visa applications. HR Manager is considered as Site Admin and he is having the control over all the users. HR Manager can create any number of HR Executive logins and authenticate them. HR Executives are the responsible persons to execute the process of Visa applications and their Onsite Details.

Company Employees, those who are willing to enquire about visa status are able to login into this portal. Their empID is considered as username and their password will be given by Company HR during his/her joining. Onsite employees may apply for visa renewal through this project.

#### DISADVANTAGES OF EXISTING SYSTEM


Existing method is useful for all users across the world; this is not specific to certain college.

- If information is shared on social networking site, data is visible for all users which is global.
- Time consuming
- Error prone
- Large volume of data
- Security
- Retrieval of Information
- Stressful

### 4. PROPOSED SYSTEM

The proposed system is designed to provide a solution for the drawbacks of the present system. It aims to:

- Replace Manual Processing system with an automated one.
- Speed up Transactions
- Reduce the workload involved in processing
- Update information system and provide easy access to corresponding information.
- Full automated data storing through online.
- Online Checking Visa Status of employee

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### ADVANTAGES OF PROPOSED SYSTEM

- The visa processing system will increase the efficiency of the system by automating the visa processing task.
- Existing users can also apply for visa renewal online.  
Users can also track all the information and details of the visa application status online

## 5. RESULTS

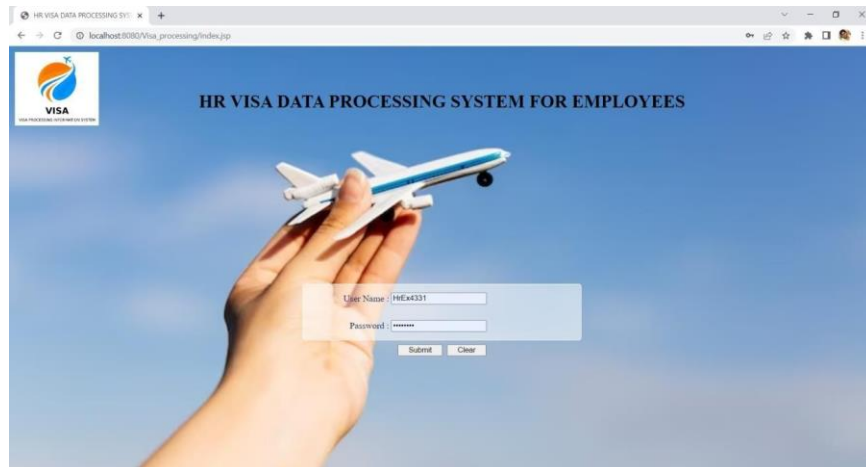


Fig:2 screen output for login page

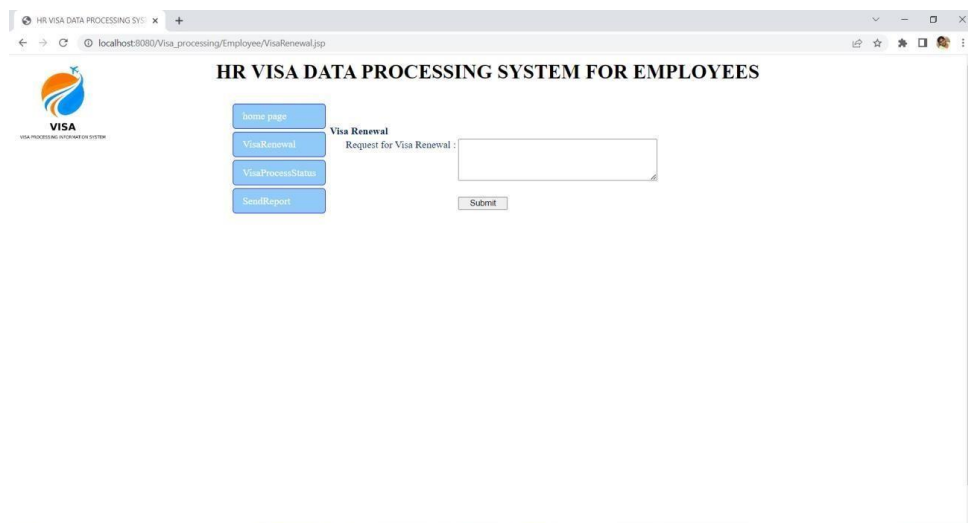


Fig:3 screen output for visa renewal page



Fig:4 screen output for Admin home page

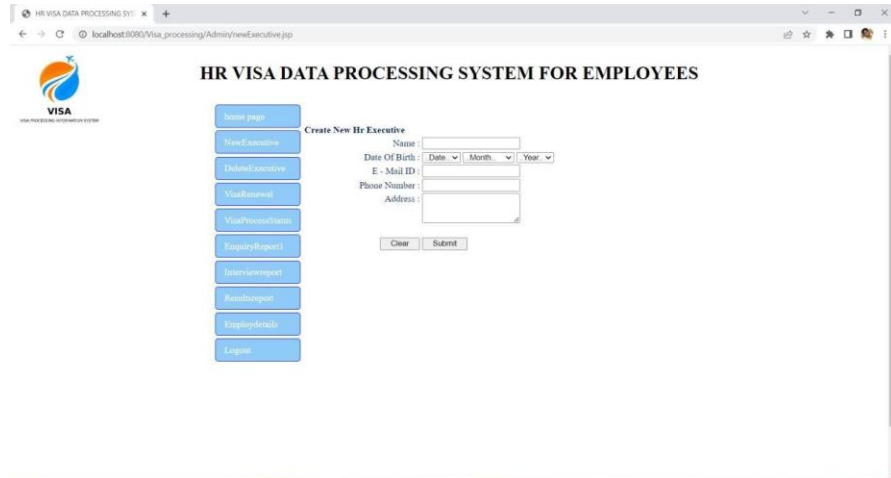


Fig:5 screen output for New executive page

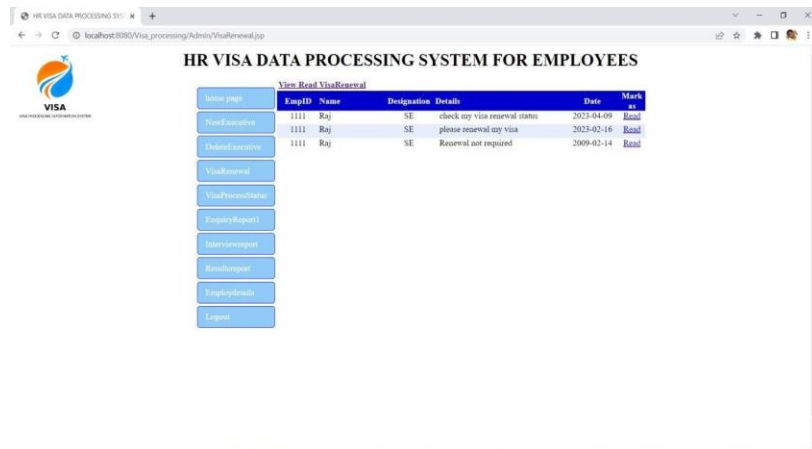


Fig:6 screen output for Admin visa renewal page

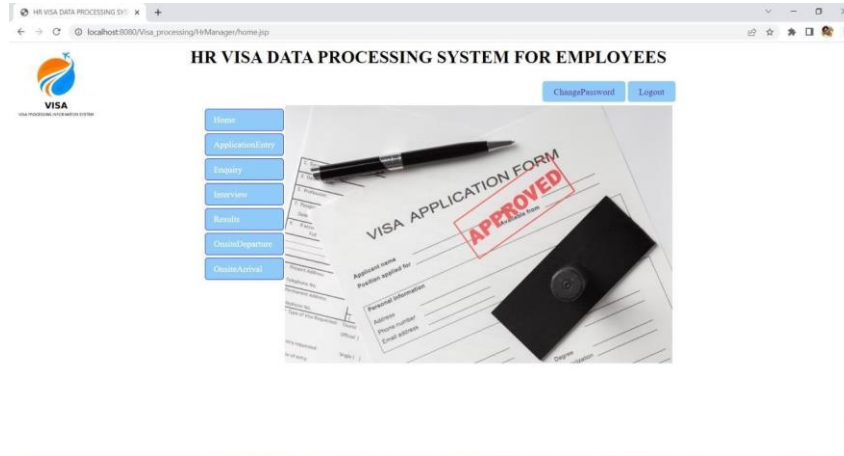


Fig:7 screen output for Hr manager home page

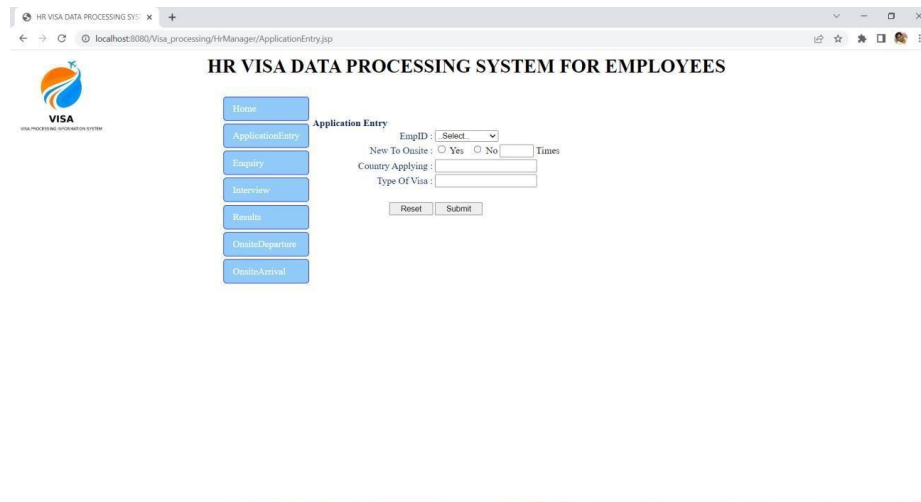


Fig:8 screen output for Application entry page



Fig:9 screen output for Enquiry page

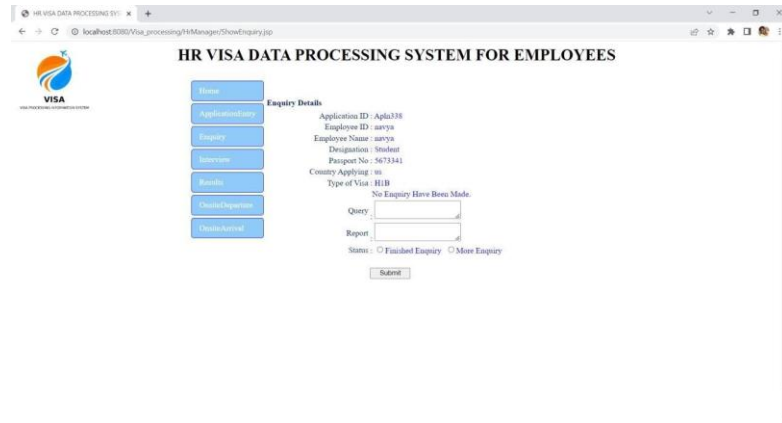


Fig:10 screen output for show enquiry page



Fig:11 screen output for Interview page

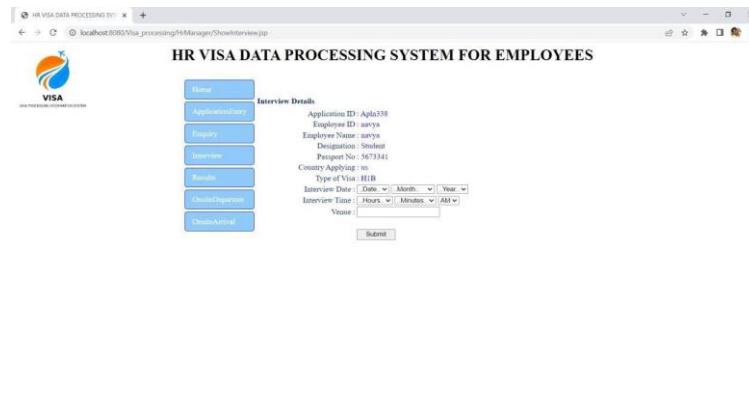


Fig:12 screen output for Show interview page

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## CONCLUSION

6. The Hr Visa Data Processing System For Employees is a web-based application for tracking the visatransactions in a visa processing company which provide customized solutions to meet company needs.

This application software has been computed successfully and was also tested successfully by taking“test cases”. It is user friendly, and has required options, which can be utilized by the user to perform the desired operations. The software is developed using Java as front end and MySQL as back end in Windows environment. The goals that are achieved by the software are:

- Instant access.
- Improved productivity.
- Optimum utilization of resources.
- Efficient management of records.
- Simplification of the operations.
- Less processing time and getting required information.
- User friendly.
- Portable and flexible for further enhancement.

### Future Enhancements:

It is not possible to develop a system that makes all the requirements of the user.

User requirements keep changing as the system is being used. Some of the future enhancements that can be done to this system are:

- As the technology emerges, it is possible to upgrade the system and can be adaptable to desired environment.
- Because it is based on object-oriented design, any further changes can be easily adaptable.

Based on the future security issues, security can be improved using emerging technologies like single sign-on.

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