PROFILE KEYING

[1]Bela Dubey, [2]Aditya Vyas

[1]B.Tech scholar, [2]JAVA Trainer

[1]JVWU, Jaipur, [2]HCL CDC Bhopal

Email: bela.dubey4@gmail.com; myjobaditya@gmail.com

Abstract

There are various ways to share the contact details or information and get into receiver's contact list but business cards are being used since long. There are several advantages of using business cards such as they are cheap, portable, and easy to share. But apart from these advantages it has several disadvantages too. What if someone loses your card? Apart from that they need to be update regularly with the change in the designation or any of the contact details. If any of the details change than the old cards become useless and they need to be updated and printed again. They can only travel at places you travel. They can only be shared with a limited number of people whom you meet or can be placed at some public places. They cannot be shared to a person dwelling in another city or state easily. If the cards are not shared and used effectively than they are of no use.

We are living in the era of technology and website has become a mandate for all the business whether small or big. In the modern era, people and companies are using internet for information and so we make use of websites [1]. It has several advantages. It is less expensive as compared to other modes of marketing like print or electronic media. Through the website you can share all the required information and details regarding the products or services offered along with the contact information. With the help of the website customers can access your details from anywhere at any time. Even in the non-working hours your website will be accessible and you can get the details of the visitors just by enabling the contact form in the website.

I am not only talking about business information. It can be professional, semiprofessional or personal information. Now days there are different websites for maintaining your different kinds of information such as job portals, matrimonial, social networking, and ecommerce and so on. So you need to maintain different profiles on different websites in order to update your information. So I came up with the website which helps you to get rid of business cards as well as your trouble of maintaining different profiles on different sites.

KEYWORDS: JSP: Java Server Pages, HTML: Hypertext Markup Language, CSS: Cascading Style Sheets, SQL: Structured Query Language, JDBC: Java Database Connectivity, VCF: Variant Call Format

Introduction

Profile Keying helps you to get rid of a tiny business card which is merely a paper as well as your trouble of maintaining different profiles on different websites. Profile Keying allows you to maintain your profile on the net. User need to register into the website. Then can create his or her profile by adding information into four different sections. These sections include details like your basic information, residential and social information, qualification and job detail.

After entering your related information, users can create different handles which they wish to set. The user is required to set a unique handle id followed by checked status of any of those categories which they wish to show in that handle. User can view the number of views to his or her handle. Also user can manage their handle details too.

Profile Keying is your own information control center. Profile Keying allows you to have a single profile but share different sets of information based on the channel you are exchanging data with. You no longer have to depend on external services to decide what they share. YOU decide what YOU share.

In order to understand the making of profile keying I will discuss three different phases or methodology used by me. The first phase is the study and analysis phase. The second phase is the design phase in which the data base design of the system are made. The third one is the coding and implementation phase.

Corresponding author: Bela Dubey

ANALYSIS PHASE

In this phase, the fictitious data is gathered. The problems in the current system will be identified and necessary improvements will be recommended. Thus a new system, as a solution will be proposed. The emphasis is on the type of output and the comfort of minimal inputs by user, the new system should provide. [2]

The tools and techniques that are required to create profile keying website are
- Prerequisites of Core Java, JSP
- Net beans IDE
- Front End tool: HTML, CSS, JQUERY
- Back End tool: My SQL JDBC Driver Type 4
- Operating System: Platform Independent

There are following functional requirements for profile keying development:
- JSP which is a server-side programming technology that enables the creation of dynamic, platform-independent method for building Web-based applications based on HTML, XML, or other document type.
- Inputs and Outputs:
o Creating profile
o Information set against a handle
- Processing:
o Create profile by entering basic information
o Create unique handle
o Manage handle, manage profile
o Download the handle
- Exception Handling
o Should report any errors on duplicate primary keys
o Should report any "Out of Range" values on numeric fields
o Should report if any data type mismatches with any field on the forms
o Should report on any "Invalid dates"
o Should report any violation of authorization of rights.
o Should report database error.
- Database Requirements
o All data stored at one location when a database is used, all tables are stored in a single file.
o It is possible to define relationship between tables as will be seen once defined these relationship between tables are also stored in the database.

o It is possible to define validation at the field as well table level this ensures accuracy of data being stored.
There are following non-functional requirements for profile keying development:
- Static Requirements
o Net Beans IDE Version 8.2.1
o Java Development Toolkit (JDK) Version 7 or Higher
o Library.zip Net Beans Project
- Dynamic Requirements
o No throughput constraints
- Capacity Requirements
o Tomcat 7.0.35 takes up exactly 13412390 bytes on your disk with no applications installed and no log files.
o Processor requirements are all dependent upon the JVM.
- User Interfaces
o The home screen is split vertically into two panes. The left pane contains the buttons, labels, icons which expand and contracts as per the required action. The right part displays the information related to the event logs and their managing i.e. the CRUD operations to be performed, process model, Petri nets that are specified on the left pane.
- Hardware Interfaces
o Processor: Intel Core Duo 2.0 GHz or more
o RAM: 1 GB or 2 GB
o Keyboard: Normal or Multimedia
o Mouse: Compatible mouse
- Software Interfaces
o Front End: HTML, CSS, JQUERY, JAVASCRIP, JSP
o Back End: MySQL
o Operating System: Platform Independent (any)

DESIGN PHASE

The design of a system produces the details that state how a system will meet the requirements identified during system analysis. In this phase, the detailed specifications for the new system will be formulated. The conceptual model will lead to the development of an Enhanced Entity Relationship Diagram. [2]
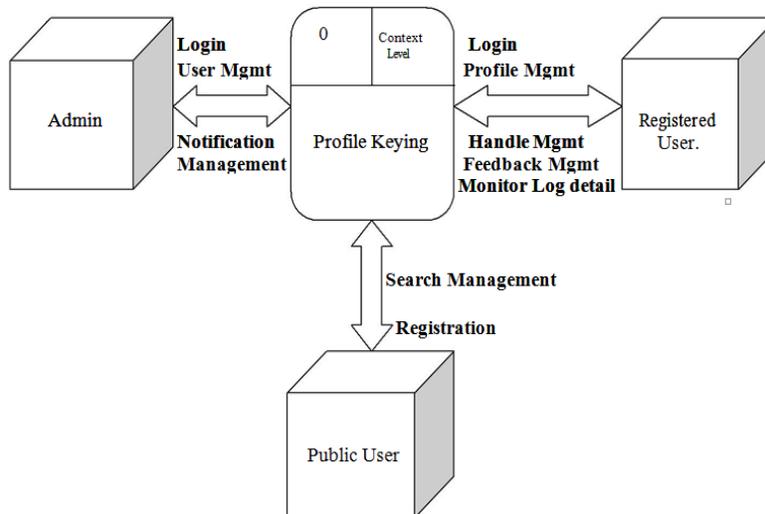The context level diagram for profile keying is given in Fig.1.

Figure 1: Context level diagram

CODING AND IMPLEMENTATION PHASE

The activity following logical design, which produces program software, files and a working system, will be carried out. The many suggestions received at a previous stage are analyzed and categorized according to their nature. The basic idea is that the software should be developed in increments, where each increment adds some functional capability to the system until the full system is implemented. An advantage of this approach is that it can result in better testing, since testing each increment is likely to be easier than testing entire system. [2]

These three phases leads to the successful development of profile keying website.

CONCLUSION

This website will gain you access to wider audience as anyone searching for a related product or service or individual can get to know about your product or identity or service. It is less expensive as compared to other modes of marketing like print or electronic media. Through the website you can share all the required information and details regarding the products or services offered along with the contact information. With the help of the website customers can access your details from anywhere at any time.

Thus Profile Keying helps you to get rid of a tiny business card which is merely a paper as well as your trouble of maintaining different profiles on different websites. Profile Keying allows you to maintain your profile on the net.Profile Keying is your own information control center. Profile Keying allows you to have a single profile but share different sets of information based on the channel you are exchanging data with. You no longer have to depend on external services to decide what they share. YOU decide what YOU share.

If this website comes into use then it will resolve many day to day problems. Then we can give or take contacts just by sharing the unique handle ID with one another for example we can just share our handle ID with a courier service to give our address and can update it when our address changes. One can then easily download others information in VCF format and can directly add others contact in their mobile phone contact list. We can also apply for jobs in company just by giving our unique handle ID and we can show the information we want to show by customizing our information. Apart from this it can be used for business purpose. Since it provides great facility of customizing individuals' information by creating handles with unique handle ID, it can be used for various purpose making this site very useful in upcoming years.

REFERENCES

1. M. Mansourvar and N. Y. Mohd, "Web portal as a knowledge management system in the Universities," World Academy of Science, Engineering and Technology, vol. 70, pp. 968-974, 2010.

2. Stephen R. Schach, Object-Oriented And Classical Software Engineering, Eighth Edition, McGraw- Hill, Vanderbilt University, New York, 2011, Chapter 3