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VILLAGE ATHAL,SILVASSA.

INFORMATICS PRACTISES

PROJECT ON

MATRIMONIAL SITE

"D.COM"

NAME: SNEHAL HASE

ROLL NO:

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INTRODUCTION!

This Software Project Is Developed To Provide Grooms

AndBrides with Excellent Matchmaking Experience By Exploring

The Opportunities and Resources To Meet True Potential Partner.

Keeping Our Objective In Mind, We Have Created A Renowned Online Matchmaking Services I.E. A Matrimonial Application That Will Touch The Souls Of Millions Of People All Over The Globe And Help Them To Find Perfect Life Partners For Them.

During Coding And Design Of The Software Project, Java Net Beans IDE, A Powerful Front-End Toll Is Used For Getting Graphical User Interface(GUI) Based Integrated Platform And Coding Simplicity. As A Back End A Powerful, Open Source RDBMS,My SQL Is Used As Per Requirement Of The CBSE Curriculum Of Informatics Practises Course.

OBJECTIVE AND SCOPE OF THE PROJECT

The purposes of the Matrimonial Web Application are:

•The main purpose of this application is to facilitate matchmaking business by applying the information in the field.

•It helps the user by providing profiles of perspective “Bride” or “Groom” and other information regarding them online.

•User can get information regarding their dream life partner at his/her home at his/her convenience.

•This application also provides a search utility which helps those users who have a certain criteria of qualities in mind to make online matrimonial easier.

•Since internet is a pivot for modern business, our project which is based on internet paves a path for modernization in trade.

In its current scope, the software provide platform to a lot of Bride/Groom for finding perfect match.There are different sectors like Registration, Partner, Search, etc. So the Bride/Groom can get their interest for finding their partner. Bride/Groom can directly search Partner according to their required criteria.This software does not require much training time of the users due to limited functionality and simplicity.

During the development of this project, Java Net Beans IDE, a powerful, open source event-driven form-based development environment is used for modular design and future expandability of the system.

Despite of the best effort of the developer, the following limitations and functional boundaries are visible, which limits the scope of this application software.

1. This software can store records and produce reports in pre-designed format in soft copy. There is no facility yet to produce customized reports. Only specified reports are covered.
2. There is no provision to calculate fine or penalty, etc. for defaulter members; however it can be developed easily with the help of adding modules.

So far as future scope of the project is concerned, firstly it is open to any modular expansion i.e. other modules or functions can be designed and embedded to handle the user need in future. Any part of the software and reports can be modified independently without much effort.

❖ THEORITICAL BACKGROUND

INTRODUCTION AND CONCEPTS:

A Database is a collection of information related to a particular subject or purpose, such as tracking customer orders or maintaining a music collection. Using any RDBMS application software like MS SQL Server, MySQL ,Oracle ,Sybase, etc. You can manage all your information from a single database file. Within the file, divide your data into separate storage containers called tables. You may and retrieve the data using queries.

A Table is aa collection of data about a specific topic, such as products or suppliers. Using a separate table for each topic means you can store that data only once, which makes your database more efficient and reduces data-entry errors. Table organizes data into columns(called fields) and rows(called records).

A Primary Key is one or more fields whose value or values uniquely identify eachb record in a table. In a relationship, a primary key is used to refer to specific record in one table from another table. A primary key is called foreign key when it is referred to from another table.

To find and retrieve just the data that meets conditions you specify, including data from multiple tables, create a query. A query can also update or delete multiple records at the same time, and perform built-in or custom calculations on your data.

WHAT IS MySQL?

The management of data in a database system is done by means of a general-purpose software package called a Database Management System (DBMS). Some commercially available RDBMS are MySQL Server, MS ACCESS, INGRES, ORACLE, and Sybase.

MySQL is an open source relational database management system (RDBMS). Its name is a combination of "My", the name of co-founder Michael Widenius'sdaughter,and "SQL", the abbreviation for Structured Query Language.

- ✓ MySQL is a database management system.
- ✓ MySQL is based on SQL.
- ✓ MySQL software is open source.
- ✓ The MySQL database server is very fast, reliable, and easy to use.
- ✓ MySQL Server works in client/server or embedded systems.

❖THE MAIN FEATURES OF MYSQL:

- Written in C and C++.
- Works on many different platforms.
- Uses multi-layered server design with independent modules.
- Provides transactional and non-Transactional storage engines.
- Designed to make it relatively easy to add other storage engines. This is useful if you want to provide an SQL interface for an in-house database.
- Uses a very fast thread-based memory allocation system.
- Executes very fast joins using an optimized nested-loop join.
- Implements SQL functions using a highly optimized class library that should be as fast as possible.
- Provides the server as a separate program for use in a client/server networked environment, and as a library that can be embedded into standalone applications can be used in isolation or in environments where no network is available.
- Password security by encryption of all password traffic when you connect to a server.
- Support for large databases. We use MySQL Server with databases that contain 50 million records. We also know of users who use MySQL Server with 200,000 tables and about 5,000,000,000 rows.
- APIs for C,C++,Eiffel, Java, Perl, PHP, Python, Ruby and Tcl are available, enabling MySQL clients written in C or C++, or for any language that provides C bindings.
- The connector/ODBC (MyODBC) interface provides MySQL support for client programs that use ODBC.

WHAT IS NETBEANS IDE?

NetBeans is an integrated development environment (IDE) for Java. NetBeans allows applications to be developed from a set of modular software components called modules. NetBeans runs on Microsoft Windows, macOS, Linux and Solaris. In addition to Java development, it has extensions for other languages like PHP, C, C++, HTML5, and Javascript. Applications based on NetBeans, including the NetBeans IDE, can be extended by third party developers.

❖ FEATURES OF NETBEANS:

A free, open source Integrated Development Environment for software developers. You get all the tools you need to create professional desktop, enterprises, web, and mobile applications with the Java patforms, as well as C/C++, PHP, JavaScript, Groovy, and Ruby.

Net Beans IDE 6.9 introduces the JavaFX Composer, support for JavaFX SDK 1.3, OSGi interoperability, support for the PHP Zend framework and Ruby on rails 3.0, and more.

PROBLEM DEFINITION AND ANALYSIS

The hardest part of building a software system is deciding precisely what to build. No other part of the conceptual work is as difficult as establishing technical requirement. Defining and applying good, complete requirements are hard to work, and success in this endeavor has eluded many of us. Yet, we continue to make progress.

Problem definition describes the “WHAT” of a system , not “HOW”. The quality of a software product is only as good as the process that creates it. Problem definition is one of the most crucial steps in this creation process. Without defining a problem, developers do not know what to build, customers do not know what to expect, and there is no way to validate that the built system satisfies the requirement.

Problem definition and analysis is the activity that encompasses learning about the problem to be solved, understanding the needs of the customer and users, trying to find out who the user really is, and understanding all the constraints on the solution. It includes all activities related to the following:

- ✓ Identification and documentation of customer’s or user’s needs.
- ✓ Creation of a document that describes the external behavior and the association constraints that satisfies those needs.
- ✓ Analysis and validation of the requirements documents to ensure consistency, and feasibility.
- ✓ Evolution of needs.

After the analysis of the functioning of a matrimonial site, the proposed system is expected to do the following:

- ✓ To provide a user friendly, Graphical User Interface(GUI) based integrated and centralized environment for computerized matrimonial application.
- ✓ The proposed system should maintain all the records and transactions, and should generate the required reports and information when required.
- ✓ To provide efficient and secured Information storage, flow and retrieval system, ensuring the integrity and validity of records.
- ✓ To provide graphical and user-friendly interface to interact with a centralized database based on client-server architecture.
- ✓ To identify the critical operation procedure and possibilities of simplification using modern IT tools and practices.

SYSTEM IMPLEMENTATION

❖ HARDWARE USED:

While developing the system, the used hardware are:

PC with Pentium Intel Core™i3-2100 CPU @ 3.10 GHz, 4 GB RAM, 64-bit operating system and other required devices.

❖ SOFTWARE USED:

- ✓ Microsoft Windows 7 Ultimate as Operating System.
- ✓ Java NetBeans 8.2 as Front-end Development environment.
- ✓ MySQL as Back-end server with Database for Testing.
- ✓ MS-WORD 2000 for documentation.

USER MANUAL

❖ How to install Software:

HARDWARE REQUIREMENT:

- Intel Pentium/Celeron or similar processor based PC at Client/Server end.
- 128 MB RAM and 4GB HDD space (for Database) is desirable.
- Standard I/O devices like Keyboard and Mouse etc.
- Printer is needed for hard-copy reports.
- Local Area Network(LAN) is required for Client-Server Installation.

SOFTWARE REQUIREMENT:

- Windows 2000/XP OS is desirable.
- NetBeansVer 5.1 or higher should be installed with JDK and JVM.
- MySQL Ver 6.1 with Quizdb Database must be present at machine.

DATABASE INSTALLATION:

The software project is distributed with a backup copy of a Database named Marriage which required table. Some dummy records are present in the table for testing purposes, which can be deleted before inserting real data. The project is shipped with Marriage.SQL file which installs a database and tables in the computer system.

Note: The PC must have MySQL server with user (root) and password(). If root password is any other password, it can be changed by running MySQL server instance Configure wizard.

Start ➢ Program ➢ MySQL ➢ MySQL Server ➢ MySQL Server Instance Config Wizard Provide current password of root and new password as “”, this will change the root password.

To install a MySQL database from a dump file(Marriage.sql), simply follow the following steps:

Step 1: Copy the Marriage.sql file in C:\Program files\MySQL\MySQL server 5.1\Bin folder.

Step 2: Open MySQL and type the following command to create the database named Marriage.

Mysql >create database Marriage;

Step 3: Open command Window (Start > Run > cmd).

Step 4: Type the following command on above prompt-

C:…..\bin>mysql-u root-p (no password) marriage< marriage.sql

This will create a Marriage database with required tables.

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