**Collaboration Application**

Introduction:

The project titled “My Chat Application” is an Collaboration portal to be developed in a rapid pace as more and more businesses are moving towards adapting Chat Applications for the users to collaborate their ideas to achieve bigger tasks in simpler ways. The software development organizations are looking for professionals who can develop such diverse applications. Hence, it has become pertinent to understand how to develop applications for Chat Application industry.

Scope:

The project My Chat Application Collaboration project, enables a learner to implement the various aspects of developing Chat Applications. A functioning Collaboration platform needs to have various key features like : • Attractive Web pages • Responsive web pages • Web pages with giving details of products • Web-pages with various views like “company-wise”, “Price-wise”, “Feature-wise”,comparisons with similar products” etc. • Light-weight or Fast-download webpages • Security • Maintain Software Versioning and Control.

Objective:

The project learning, implementation and methodology is centered on Project Based Learning will encompass the various aspects of enterprise app development and covers the following objectives: • Understand and implement object-oriented concepts(OOPS) using Java technology programs • Write SQL queries to retrieve, manage, and manipulate data • Design responsive Web/enterprise apps using HTML5, CSS3, and various JavaScript frameworks such as Bootstrap & AngularJS • Build persistent and loosely coupled Web apps using Hibernate and Spring technologies • Build RESTFull Web Services • Build high quality Web/enterprise apps by using DevOps platform

Methodology:

CODING, Design Thinking, Code Review and Refactoring are the Methodology components of the program. The Program using the Project Based Learning Methodology will focus on building coding skills

Business Requirements Document

PROJECT DESCRIPTION

The Collaboration project is basically a platform to share the ideas of different users as per their way of communication. Majorly there are three modules which support this process.Namely Chat,Blog and Forum. Chat is basically to send messages between two users who are registered with the website. Blog is used as a platform to upload or share an individual user’s ideas with others. Whereas Forum is basically a group created by the admin/user in which different users can share their ideas and comment on others views.

USERS List all the possible External and Internal Users

Internal Users

1. Admin
2. DBA

External Users

1. Users
2. Paid members

KEY ASSUMPTIONS AND CONSTRAINTS S. No Assumptions/Constraints 1. People will accept the website and register themselves to share ideas 2. Users will not post any abusive content in blogs or forums 3. Internet connection is available everywhere 4. Users provide valid details when they are registering

Data Model

1.List of all the Modules:

1.Chat

2.Blog

3.Forum

2.List of Required Tables:

1.Register

2.Users

3.UserRole

4.Blog

5.Forum

3.Each Table Description:

1.Register table

S.No Field Name Type Null Key Default 1 ID VARCHAR(255) No Primary Null 2 ABOUT VARCHAR(255) Yes Null 3 ADDRESS VARCHAR(255) Yes Null 4 COUNTRY VARCHAR(255) Yes Null 5 EMAILID VARCHAR(255) Yes Null 6 LANGUAGE VARCHAR(255) Yes Null 7 NAME VARCHAR(255) Yes Null 8 PASSWORD VARCHAR(255) Yes Null 9 SEX VARCHAR(255) Yes Null 10 ZIPCODE VARCHAR(255) Yes Null

2.Users Table

S.No Field Name Type Null Key Default 1 USERSID INTEGER(10) No Primary Null 2 ENABLED BOOLEAN(1) No Null 3 PASSWORD VARCHAR(255) Yes Null 4 USERNAME VARCHAR(255) Yes Null

3.User Role

S.No Field Name Type Null Key Default 1 ROLEID INTEGER(10) No Primary Null 2 ROLE VARCHAR(255) Yes Null 3 USERNAME VARCHAR(255) Yes Null

4.Blog

S.No Field Name Type Null Key Default 1 BLOGID INTEGER(10) No Primary Null 2 BLOGDESC VARCHAR(255) Yes Null 3 BLOGTITLE VARCHAR(255) Yes Null 4 STATUS VARCHAR(255) Yes Null

5.Forum

S.No Field Name Type Null Key Default 1 FORUMID INTEGER(10) No Primary NEXT VALUE FOR PUBLIC\_SYSTEM\_SEQUENCE 2 CATEGORY VARCHAR(255) Yes Null 3 CREATIONDATETIME TIMESTAMP(23) Yes Null 4 FORUMUSERNAME VARCHAR(255) Yes Null 5 FORUMCONTENT VARCHAR(255) Yes Null 6 FORUMTITLE VARCHAR(255) Yes Null

4.X-MATRIX: S.No Name Of The Module List Of Operations/Methods Tables Involved 1 Register register(), addPerson() Register 2 Login isValidUser() Users,Userrole 3 Chat chat(),sendMessage() Users 4 Blog bolgAdd(),blogSave(),viewBlog(), Blog 5 Forum forum(),forumView(),comment() Forum,Comment