

Purpose of this project

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To demonstrate your capabilities in the following areas:

- Design a Database for Community Portal

Submission Format

1. Description of Entities in the database
2. Screen capture of the ER Diagram
3. Screen capture of Data

Project Brief & Guidance

Scenario:

Refer to the Project Scenario:

You have been approached by 'ABC Jobs Pte Ltd' as a website developer to develop a community portal for Software Developers. The project will be carried over through Module 3, Module 4, Module 5 and Capstone project. For this module the scope is to Design, Develop, Implement & Document Apache Struts Framework Website.

The Scope of the Project is to design a Community Portal Similar to LinkedIn.com. Users will be able to register in the portal using the Registration Page. Users of the portal can search for other users using various parameters such as First Name, Last Name, Company Name, City & Country. Users will be able to view the Public Profile of users after searching them. The portal allow users to login, request for forgotten password and Update their profile information

The scope of the mini project is to design the database.

The overview of the project is as below

There are 2 types of users in this Community portal. They are

1. Software Programmer
2. Administrator

Software Programmer should be able to perform following functions in the portal

1. Allow the programmers to register in the portal, show a thank you page & send a registration confirmation email.
2. Search & Find Other Programmers after login and view their profile.

3. Provide Login Page
4. Provide password retrieval functionality.
5. Update their Profile after logging in.

Following Functionality is part of Database Design & Will be enhanced as features as required in the Capstone Project, Depending on time availability.

6. Send Messages to Each Other on the Portal
7. Create Threads & Post Replies to a Thread
8. Post Job Opportunities in the Portal

Administrator should be able to perform following functions in the portal

1. Administer user data.
2. Send bulk email inviting programmers to register on the community portal

The portal consist of the following Key pages (For Reference)

1. Community Portal Home Page
2. Registration Page
3. Registration Confirmation Page
4. Update Profile Page
5. Search Users Page
6. List Search Results
7. Public Profile Page
8. Registration Confirmation Email
9. Login Page
10. Forget Password Page
11. Design the Forget Password Confirmation Page

Following Functionality is part of Database Design and will not be part of development & Will be enhanced as features are required in the Capstone Project, Depending on time availability.

12. Send Messages
13. Read Messages
14. Post in Message Board
15. List Message Board
16. Read A Thread
17. Post Job Opportunities
18. List Job Opportunities & Responses

The scope of this assignment

The scope is to design the community portal database.

- a. Identify the Entities and the relationship in the Community Portal Database
- b. Create ER Diagram for the Community Portal Database
- c. Create Sample data for all tables in the community portal (At least 3 tables)