

Project proposal

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Group Name: Groups for Projects 6

Description:

A web based forum community backed by relational database management system (MySQL) features thread discussion functionality. In this community, users are allowed to create and manage their own forums (after verification by administrators). Within each forum, users can create threads to start conversations with each other. Therefore, our database will basically be assembled by community < forums < threads < posts.

Preliminarily, there will be at least 4 tables, including forum, thread, post and user. (So far, it may be a general one-to-many structure). We come out the rudiment of data domain.

For forum table, it must but not only contains:

- Id (int, pk)
- ParentID (int, fk)
- Title(varchar(50))
- Administrator(varchar(50), fk)
- Category(varchar(50))
- IsVerified(bit)
- CreatedTime(datetime)

For thread table, it must but not only contains:

- Id (int, pk)
- ForumID(int, fk)
- Author(Varchar(50), fk)
- Title(varchar(50))
- CreatedTime(datetime)
- LastPostTime(datetime)
- IsSticky(bit)
- IsDeleted(bit)

For post table, it must but not only contains:

- ID (int, pk)
- ThreadID (int, fk)
- Author(varchar(50), fk)
- PostTime(datetime)
- IsDeleted(bit)
- ReplyTo(int, fk)

For user table, it must but not only contains:

- UserName(varchar(50),pk)
- Email(varchar(50))
- Password(varchar(50))
- IsAdministrator(bit)
- IsBanned(bit)
- LastPostTime(dateTime)

Storage: MySQL

Software, Apps, Libraries and hardware that will be used to develop the project. Are there any machine restrictions for the project?

This project will be a web based forum community using JAVA, Html front-end and MySql database. It will use Openshift or AWS as server to support the website. Moreover, JDBC and connector/J will be used to connect the database server and the application. The application is supposed to be friendly to both laptop and mobile users with bootstrap.

Why does this project or this data interest you?

We really expect to do something can really be used in real world. Online forum is one of the most popular web tools in current time. After learning database design, we figured this is the time for us to try this out. Other than doing a simple online forum, we decided to make it more interesting and difficult ----- a forum community.