From:

Team 5

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Console Based

Social Networking

Version Log

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Review Log

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Overview

Console Based Social Networking is a standalone application which helps users to connect with their friends. There are three categories of users. One is 'Administrator' second one is 'Registered Users' and third is 'Others'. Administrator will be managing the interests and can view all the registered user names. Registered users are those who have successfully signed up and are using the application. Others category include all the users those have not yet registered or are new to application. Using this application registered users can make wall posts, comment on friend's posts and like, friend's post. Application stores the last login information and allows the users to update their profile in future. Registered users can change their privacy settings to public or private.

Assumptions

1. This will be a standalone application.
2. Registered or Other User cannot create or add new interests.
3. Searching for the friend should be made using either firstname or lastname only.
4. Notification area will show, like and comment notifications along with new friend requests notifications.
5. Validation will be made on every input step during sign up process.
6. User can enter option that is not listed in menu list.
7. Timestamps will be recorded from application system instead of database system.
8. Number of users, comments, likes etc. will be depending on the database system memory capacity.
9. In profile menu there will be 'Friends' option using which user can view his/ her friends.
10. Using account settings user will be able to update privacy of his/ her details.
11. Using 'Change Password' option user will not be able to set new password same as the existing password.
12. There will be only one 'Administrator' user.
13. There will be password field in USERS_ALL table.
14. Password will be minimum of five characters consisting of alphabets, special character and number.

15. User ID of Administrator will be 'admin'.

16. There will be seperate table for Administrator consisting of its password.

Architecture Design

The design of the application is divided into three layers.

1. **Presentation Layer:** This is the outermost layer with which user interacts. All the console driven menu output code is written in this layer.

2. **Business Logic Layer:** This is the middle layer. This includes all the classes consisting of logic of the application.

3. **Data Access Layer:** This layer interacts with the database and includes the code that is needed to send or retrieve data from the database.