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| **Description** | Discussion Forum Project. The discussion forum is nothing but a web application where users can put up their questions and other users can answer those questions |
| **Actors** | Users and Admins |
| **Functional requirements** | Logging in requires a user id and password. The user ID should be a valid email ID and the password is of the user’s choice. There should be authentication and security while Logging In and an option to change passwords should also be provided to the users. Support for Logout should be there |
|  | Admin Module: The admin can enter the application using the login credentials and have complete control over the application. The admin can have various functionalities like adding some latest topics of discussion. The admin also should have the access to delete a discussion post if the admin finds it inappropriate. Also, the admin can delete the account of users who he/she might find inappropriate |
|  | User module: The user also has to log in via valid credentials. However, the user should not have that much control over the application. Users should be able to add a question, leave a like on a discussion post, and comment his/her own answer. Users can also be given the feature to report another user and the admin can then look over it. |
|  | All data to be managed in the database |
|  | Users to get emails if any of the discussions they involved got a new response |
|  | User should able to search their discussion data based on text content, date, month, year |
|  | Admin should have reports to see statistics including closed discussions /weekly/monthly/yearly, long pending discussions, top contributors weekly/monthly/yearly |
| **Non-Functional requirements** | Microsoft suggested standards and patterns in coding and development |
|  | Industry standard application layering should be applied |
|  | Maximum extendibility and scalability to be maintained after development |