

ADMIN GUIDE

Data Structure Learning Software

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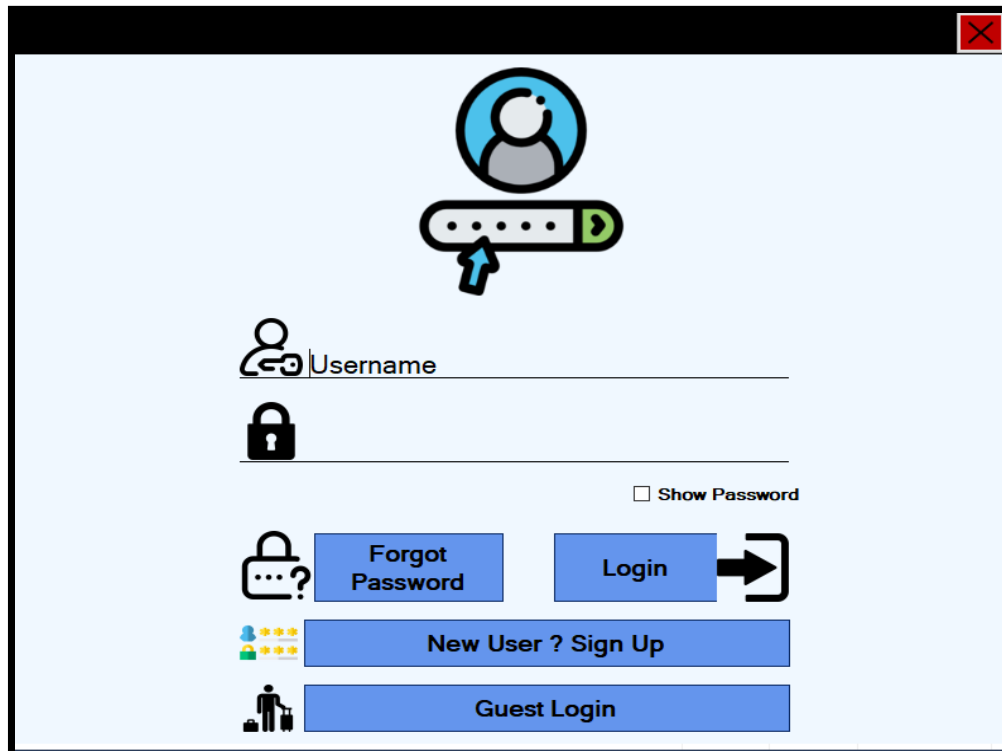
1. INTRODUCTION

The software is created with an objective to aid the users to understand data structures from their basics. It includes a number of animations, visuals and question to further elevate their understanding and check on their progress.

The software is built assuming that the user has a little or no knowledge regarding data structures. If that isn't the case the user can simply answer some module-wise questions and reach to the desired data structures. Searching, sorting and data structures, namely Array, Linked List, Stack, Queue, Tree, Heap, and Graph, are been covered.

2. LOGIN

Admin has to log in through the same login page as the users, but unlike users, the admin can't sign up. Only way to create a new admin is to add such an entry to database directly. This is to ensure that only the authorized person can exercise the rights of an admin.



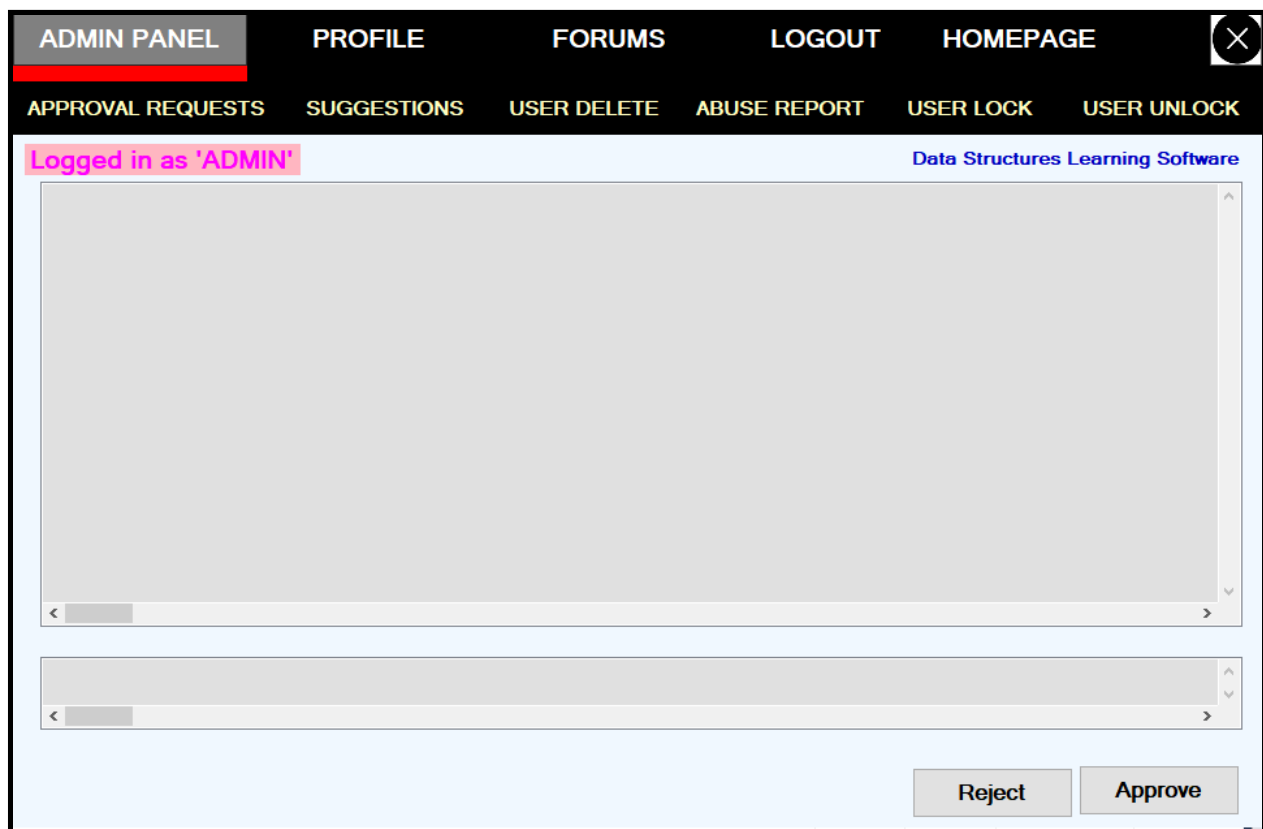
3. ADMIN PANEL

In addition to the facilities provided to the user, admin exercises certain extra rights. Admin can monitor the users by approving the requests, locking and unlocking the users, etc. Admin can also look over reported message and thus can monitor the discussion threads as well.

Following are the main components of admin panel:-

2.1 Approval Requests:

Admin has to approve any newly signed in users.



2.2 Suggestions

Admin has to approve any newly added question. Teachers will be suggesting these questions.

ADMIN PANEL

PROFILE

FORUMS

LOGOUT

HOMEPAGE

APPROVAL REQUESTS

SUGGESTIONS

USER DELETE

ABUSE REPORT

USER LOCK

USER UNLOCK

Logged in as 'ADMIN'

Data Structures Learning Software

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TYPE: DELETE | QUESTION :In the worst case, the number of comparisons needed t

RejectApprove

2.3 User Delete

ADMIN PANEL

PROFILE

FORUMS

LOGOUT

HOMEPAGE

APPROVAL REQUESTS

SUGGESTIONS

USER DELETE

ABUSE REPORT

USER LOCK

USER UNLOCK

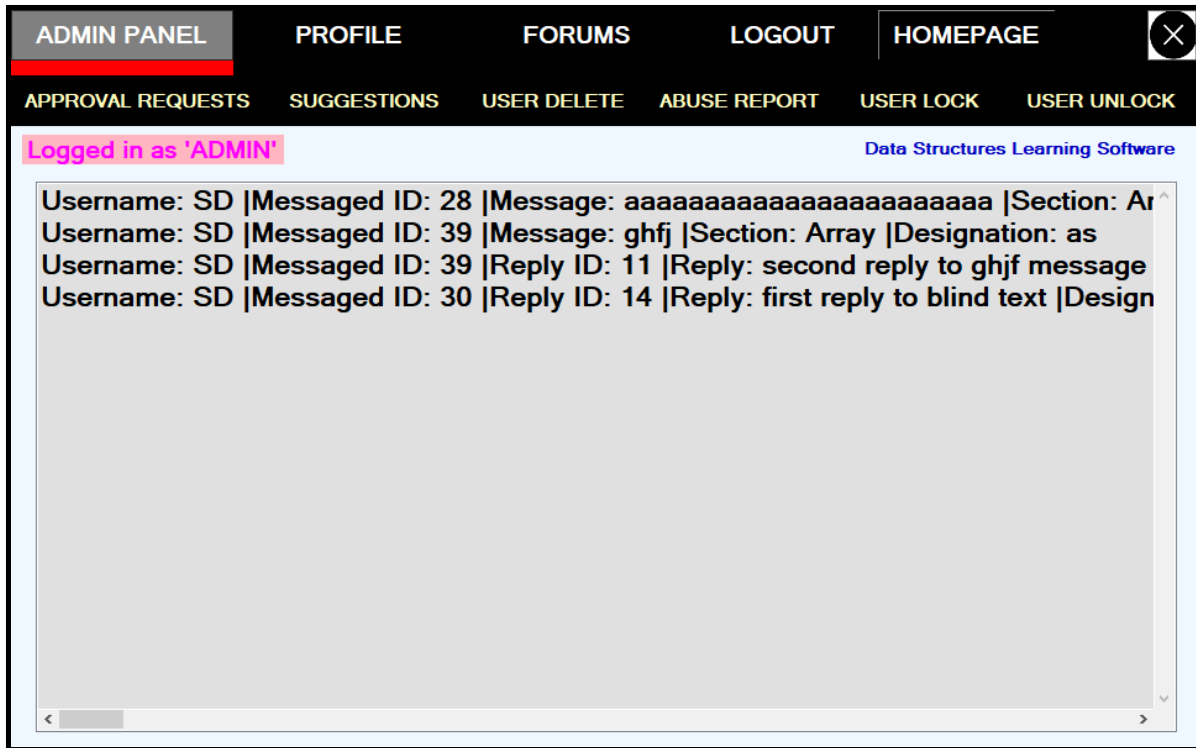
Logged in as 'ADMIN'

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sid
prof3
prof

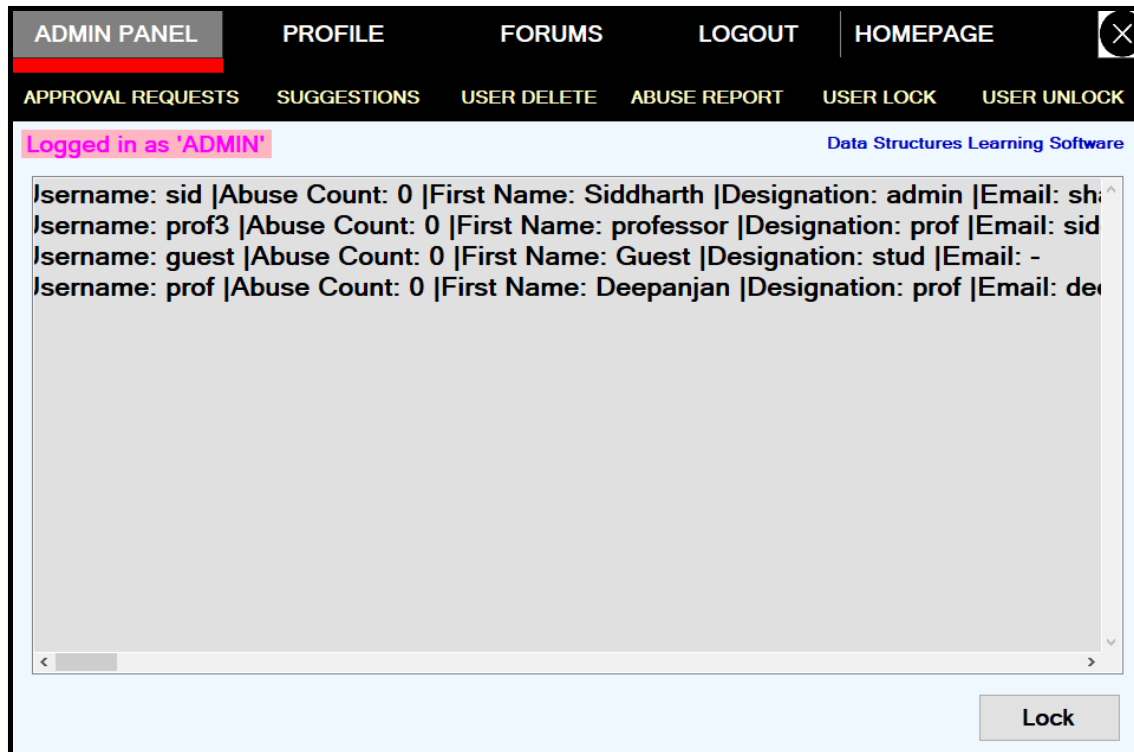
Delete

2.4 Abuse Report



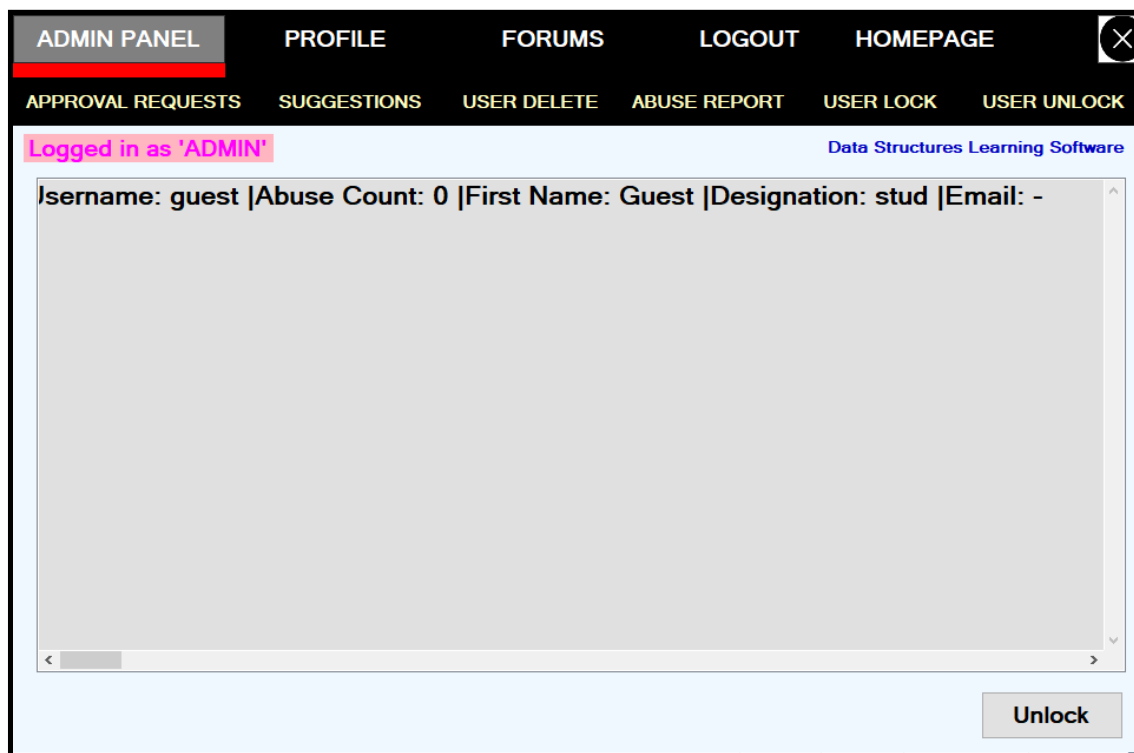
2.5 Lock Users

In case of any nuisances by any user, admin can lock the access of these users. Once a user is locked, they cannot sign in into the software, until they are unlocked again.



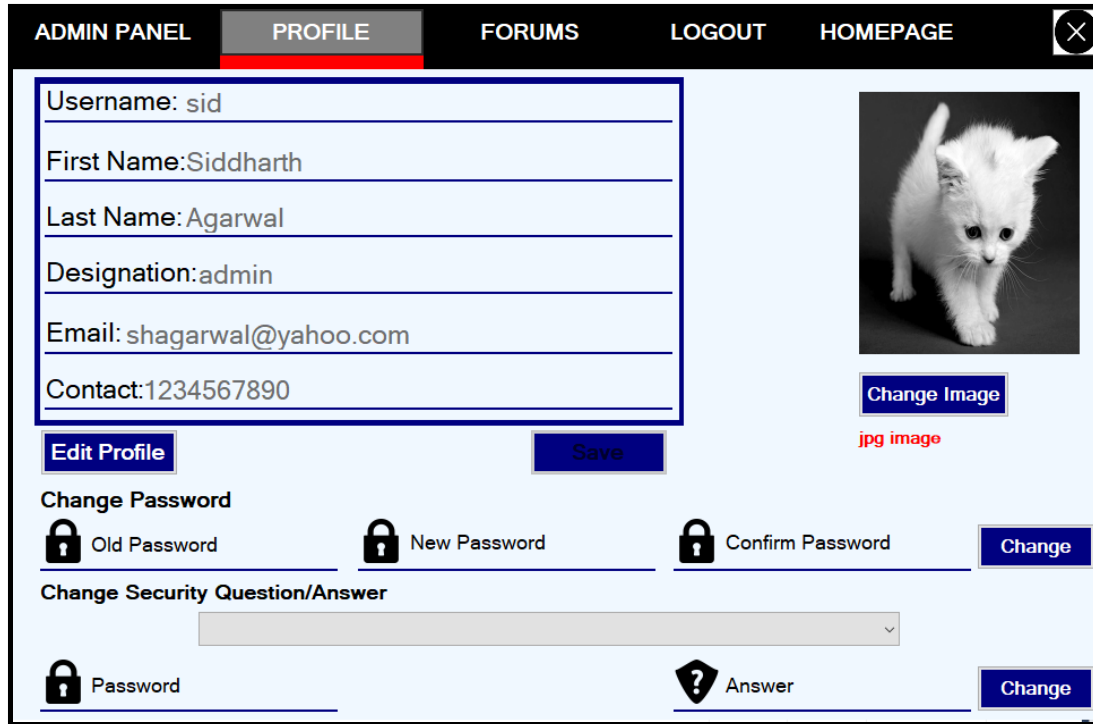
2.6 Unlock Users

This is a facility provided to unlock the previously locked users.



3. PROFILE

This is a facility provided to users as well as admins to personalise the software.



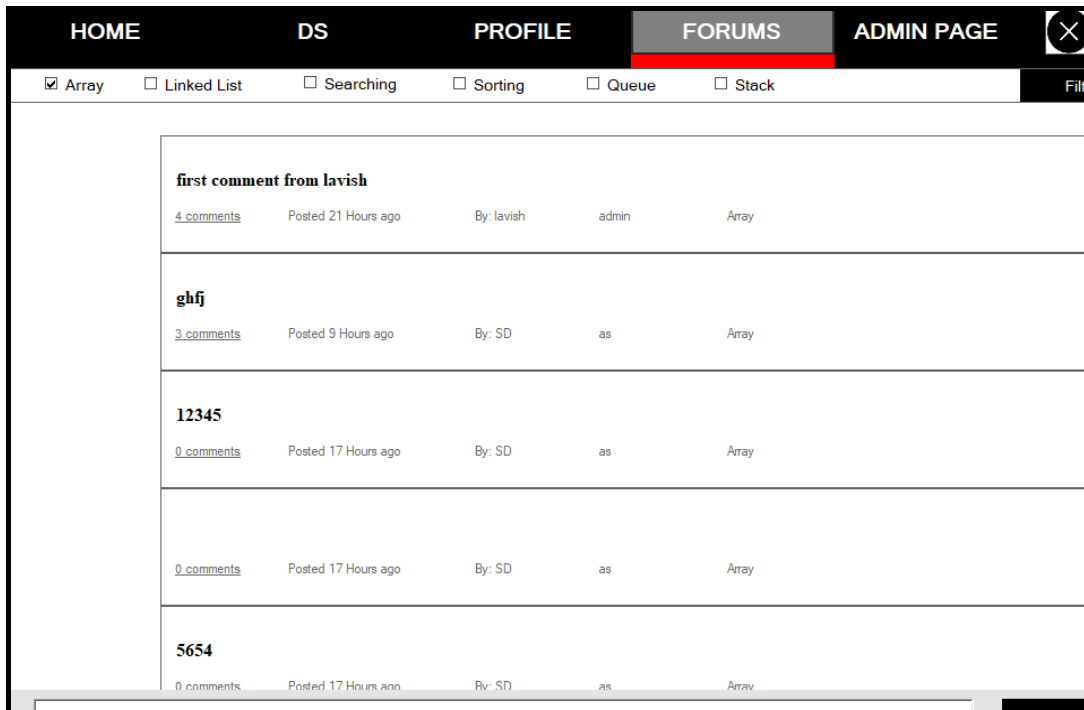
The screenshot shows a web application interface with a navigation bar at the top containing links: ADMIN PANEL, PROFILE (highlighted with a red underline), FORUMS, LOGOUT, and HOMEPAGE. A close button (X) is in the top right corner. The main content area is divided into two columns. The left column contains a form with the following fields: Username: sid, First Name: Siddharth, Last Name: Agarwal, Designation: admin, Email: shagarwal@yahoo.com, and Contact: 1234567890. Below these fields are two buttons: 'Edit Profile' and 'Save'. The right column features a profile picture of a white kitten, a 'Change Image' button, and the text 'jpg image' in red. Below the profile picture section, there are two sections for password and security question changes. The 'Change Password' section includes fields for 'Old Password', 'New Password', and 'Confirm Password', each with a lock icon, and a 'Change' button. The 'Change Security Question/Answer' section includes a dropdown menu for the question, a 'Password' field with a lock icon, an 'Answer' field with a question mark icon, and a 'Change' button.

4. DISCUSSION FORUM

The discussion will be sectioned according to the module it is related to, user can assign the same while posting up a message in discussion forum. User can go to discussion forum from their respective modules or from the homepage.

Apart from adding a message, both teachers and students can reply to existing messages, creating a conversation thread. Nesting of replies is not allowed.

In case of any offensive or unrelated message, there is a facility of reporting a message for the users.



5. HOMEPAGE

Similar to user's homepage, in this admin gets to see the learning material, discussion forum, quizzes. They can view their profiles and their own progress, in case they are interested in.

5.1 Homepage: This will show the current progress of the admin itself.

5.2 DS: It helps you to go through the topic-wise material

5.3 Profile: It displays the personalised profile and provides the facility to change the passwords.

5.4 Forums: It will redirect the admin to the discussion forum

5.5 Admin Page: It will redirect the admin to admin panel

[HOME](#)[DS](#)[PROFILE](#)[FORUMS](#)[ADMIN PAGE](#)

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Logged in as ADMIN

Array Progress

Linked List Progress

Searching Progress

Sorting Progress

Stack Progress

Queue Progress