

# Study Network

## Bootcamp – Quiz

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Mentor and CM see the difficulties of the member's interactions, and they come up with the idea to create a Study Network, a personal online social platform where member could interact, communicate, and socialize with each other. Help them to create the program!

### Features:

- **Main Menu (10%)**
  - There are 2 features in the main menu: register user to the database or log the user in by filling in their credentials.
  - The logged-on user's menu should display **his/her friends** and the **management** feature: Add Friend, Remove Friend, View Inbox, View Sent Request, and Logout.
  - Selecting one of the choices should give easiness of use.
  - When the user log out, output how long the user has used the application.
- **Authentication Management (20%)**
  - Authentication attributes defined by **username and password**, must be a lowercase string (1..24) and username must be unique.
  - Register a user by **username and password**, only unregistered one could be processed.
  - Login a user by **his/her username and password**. Validate the username and password are correct.
- **Public Dashboard (30%)**
  - Each user can see all the notes posted by all the users. Please use a data collection to store, view, and manipulate the data.
  - Each user can post their own notes and choose a category (Backlog, In Progress, Peer Review, In Test, Done, and Blocked). Validate the note must be alphanumeric only. Each user can only edit or delete their own notes. Announced notes will be shown at the top.
  - User can recover their deleted notes. Please validate the recycle bin is not empty and the note is in there.
  - User can leave a comment (alphanumeric, 1 to 255 letters) on other user's notes and user can like the comment. Comments are sorted based on the likes and time when posted.
  - User can set their notes to "private" so that only approved users (maximum of 3) can see their notes. When giving access, user must type in the username. When a user get an invitation to access the notes, the user can choose to accept or reject it.
- **Friends Management (40%)**
  - Add Friend: list all available user that could be sent a friend request.
  - Remove Friend: remove a user friend from his/her friend list.
  - View Inbox: all the user's request that the user has not accepted yet.
  - View Sent Request: show all the user's sent request that are still pending.

### Main Menu

```
Oo=====oO
                STUDY NETWORK
Oo=====oO

[All User]
No.    Username
```

-----  
[1] Register  
[2] Login  
[3] Exit  
-----

Press 0 and enter to abort an operation  
-----

>>

### Register Menu

Oo=====oO

STUDY NETWORK

Oo=====oO

[All User]

No. Username

-----  
[1] Register  
[2] Login  
[3] Exit  
-----

Press 0 and enter to abort an operation  
-----

>> 1

-----  
Please type in your username [lowercase || 1..24]: romario

Please type in your password [lowercase || 1..24]: romario

--- Registration Successfull ---

Press enter to continue!

### Login Menu

Oo=====oO

STUDY NETWORK

Oo=====oO

[All User]

No. Username

1 romario

2 roland

-----  
[1] Register  
[2] Login  
[3] Exit  
-----

Press 0 and enter to abort an operation  
-----

>>

### Add Friend

Oo=====oO

Welcome, romario!

Oo=====oO

Logged in: Mon Feb 10 14:56:35 2020  
-----

[All Friends of romario]

No. Username

-----  
>>Menu<<  
-----

- [1] Add Friend
  - [2] Remove Friend
  - [3] View Inbox
  - [4] View Sent Request
  - [5] Add, Edit, Announce, Delete Note
  - [6] Log out
- 

>> 1  
-----

[All User]

No.	Username
1	roland

Which user do you want to add?

>> roland

-- Your request has been sent to roland --  
Press enter to continue!

### Login Menu

Oo=====oO  
STUDY NETWORK  
Oo=====oO

[All User]

No.	Username
1	romario
2	roland

- 
- [1] Register
  - [2] Login
  - [3] Exit
- 

Press 0 and enter to abort an operation  
-----

>> 2  
-----

Username: roland  
Password: roland

--- Login Successfull ---  
Press enter to continue!

### View Inbox

Oo=====oO  
Welcome, roland!  
Oo=====oO  
Logged in: Mon Feb 10 14:29:27 2020  
-----

[All Friends of roland]

No.	Username
-----	----------

-----  
>>Menu<<  
-----

- [1] Add Friend
- [2] Remove Friend
- [3] View Inbox
- [4] View Sent Request
- [5] Add, Edit, Announce, Delete Note

[6] Log out  
-----

>> 3  
-----

[All Friend Requests of roland]

No.	Username
1	romario

Which user do you want to be accepted?

>> romario

-- You accepted the request from romario --  
Press enter to continue!

### User Page

Oo=====oO

Welcome, roland!

Oo=====oO

Logged in: Mon Feb 10 14:30:05 2020  
-----

[All Friends of roland]

No.	Username
1	romario

-----  
>>Menu<<  
-----

- [1] Add Friend
  - [2] Remove Friend
  - [3] View Inbox
  - [4] View Sent Request
  - [5] Add, Edit, Announce, Delete Note
  - [6] Log out
- 

>>

### Remove Friend

Oo=====oO

Welcome, roland!

Oo=====oO

Logged in: Mon Feb 10 14:30:05 2020  
-----

[All Friends of roland]

No.	Username
1	romario

-----  
>>Menu<<  
-----

- [1] Add Friend
- [2] Remove Friend
- [3] View Inbox
- [4] View Sent Request
- [5] Add, Edit, Announce, Delete Note

[6] Log out  
-----

>> 2  
-----

[All Friends of roland]

No.	Username
1	romario

Which user do you want to remove?

>> romario

-- You are no longer friends with romario --  
Press enter to continue!

### User Page

Oo=====oO

Welcome, roland!

Oo=====oO

Logged in: Mon Feb 10 14:30:23 2020  
-----

[All Friends of roland]

No.	Username
-----	----------

-----  
>>Menu<<  
-----

- [1] Add Friend
  - [2] Remove Friend
  - [3] View Inbox
  - [4] View Sent Request
  - [5] Add, Edit, Announce, Delete Note
  - [6] Log out
- 

>>

### User Page

Oo=====oO

Welcome, romario!

Oo=====oO

Logged in: Mon Feb 10 14:30:23 2020  
-----

[All Friends of romario]

No.	Username
-----	----------

-----

>>Menu<<

- 
- [1] Add Friend
  - [2] Remove Friend
  - [3] View Inbox
  - [4] View Sent Request
  - [5] Add, Edit, Announce, Delete Note
  - [6] Log out
- 

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