

MAIL – CLIENT SERVER APPLICATION

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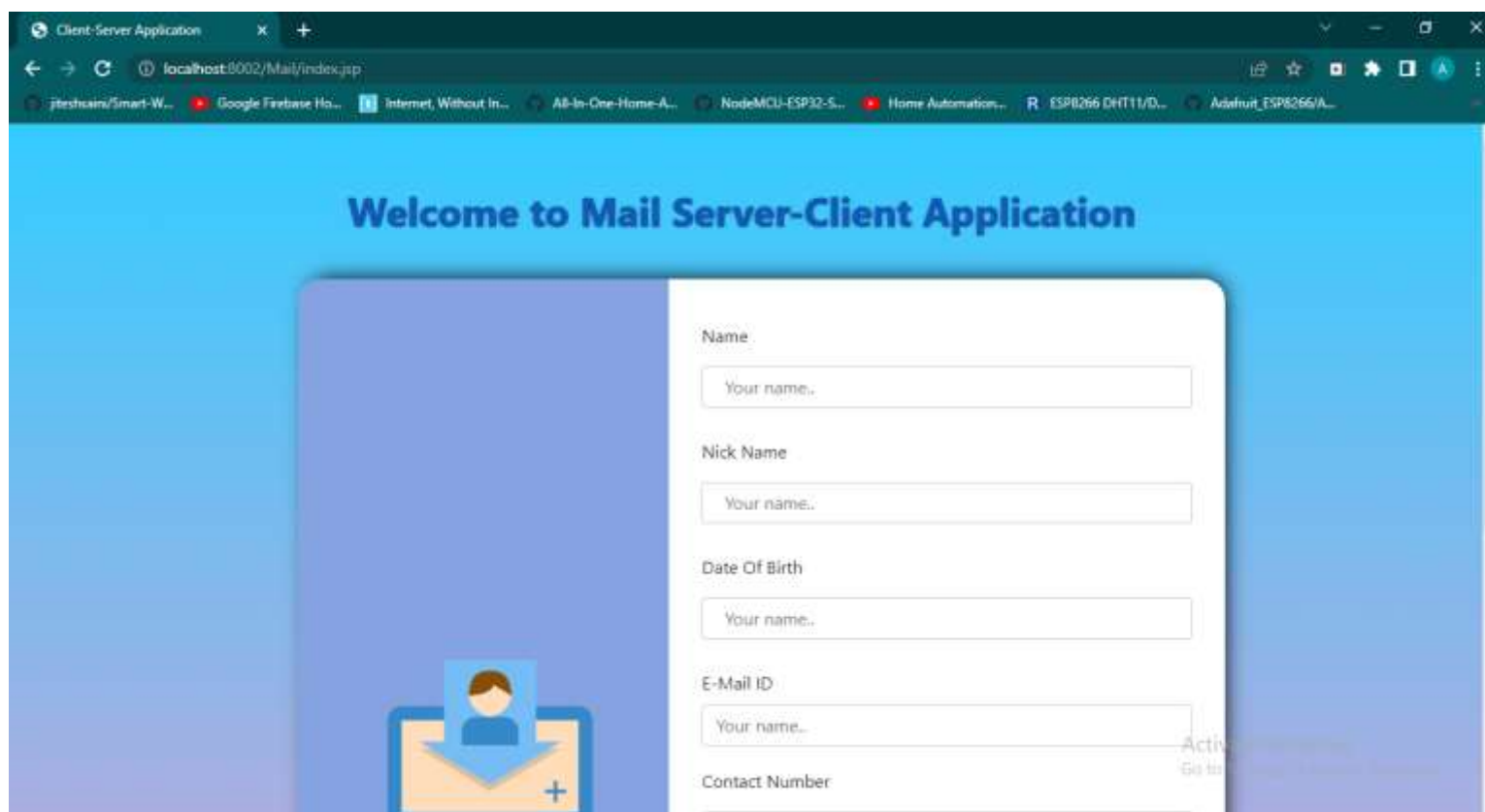
1.OBJECTIVE OF THE TASK:

To develop a mail server and client application.

2.WORKFLOW:

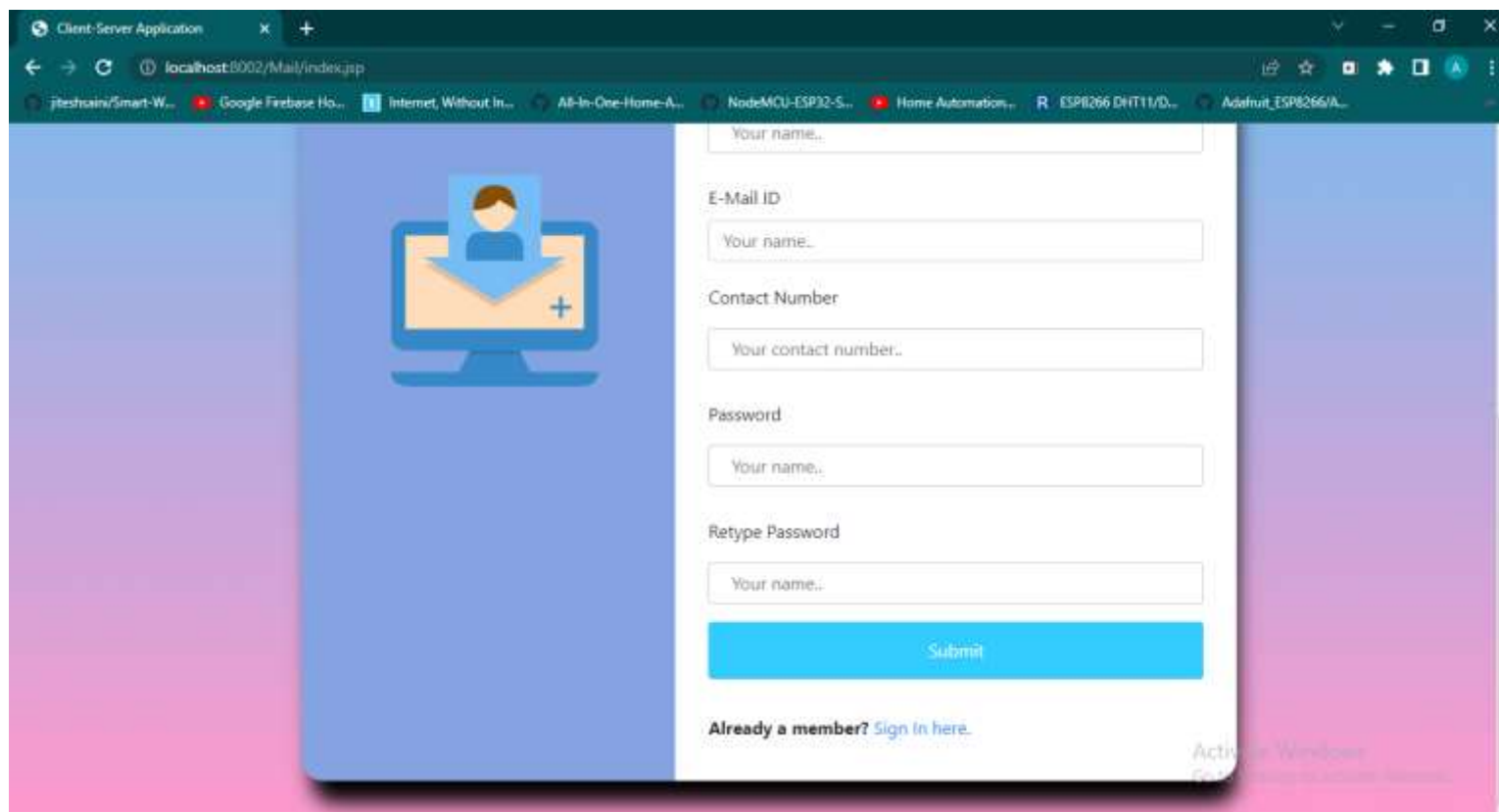
REGISTRATION AND LOGIN PAGE:

Initially, user will be asked to fill up registration page.



The screenshot shows a web browser window with the title "Client-Server Application". The address bar shows "localhost:8002/Mail/index.jsp". The page has a blue header with the text "Welcome to Mail Server-Client Application". Below the header is a registration form with the following fields: Name, Nick Name, Date Of Birth, E-Mail ID, and Contact Number. Each field has a placeholder text "Your name..". There is also a blue button labeled "Submit". To the left of the form is a graphic of a person's head inside a blue box, which is inside a larger blue box with a plus sign.

If the user already has an account, then he/she can login using the link provided after registration details form.

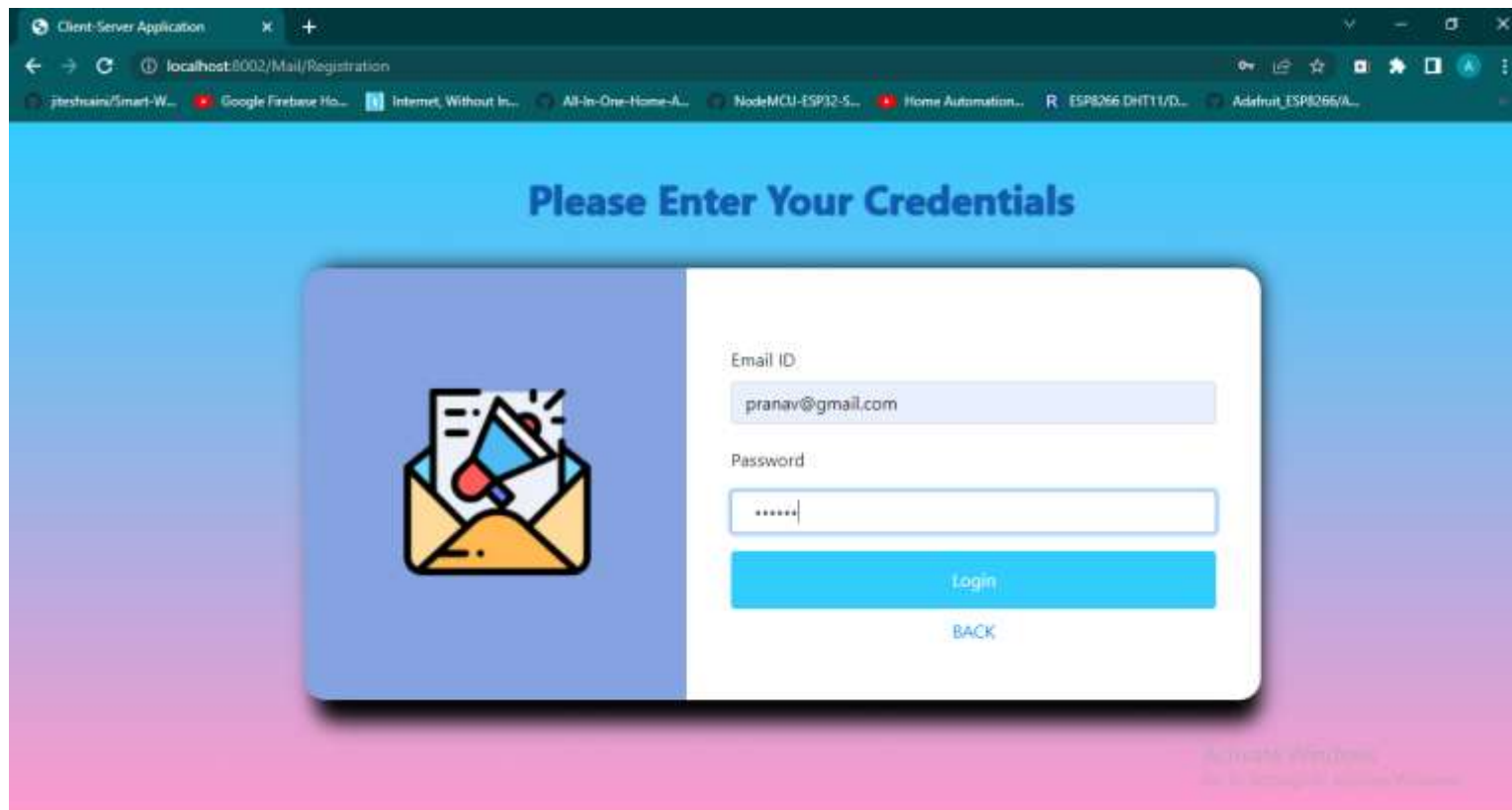


The screenshot shows a web browser window with the title "Client-Server Application". The address bar shows "localhost:8002/Mail/index.jsp". The page has a blue header with the text "Welcome to Mail Server-Client Application". Below the header is a login form with the following fields: E-Mail ID, Contact Number, Password, and Retype Password. Each field has a placeholder text "Your name..". There is also a blue button labeled "Submit". To the left of the form is a graphic of a person's head inside a blue box, which is inside a larger blue box with a plus sign. At the bottom of the form, there is a link that says "Already a member? Sign in here."

FEATURES:

- Every field must be filled compulsorily.
- Already registered users aren't allowed to register again.

Once registered, the user will be directed to login page, where they can provide their credentials to use their account.

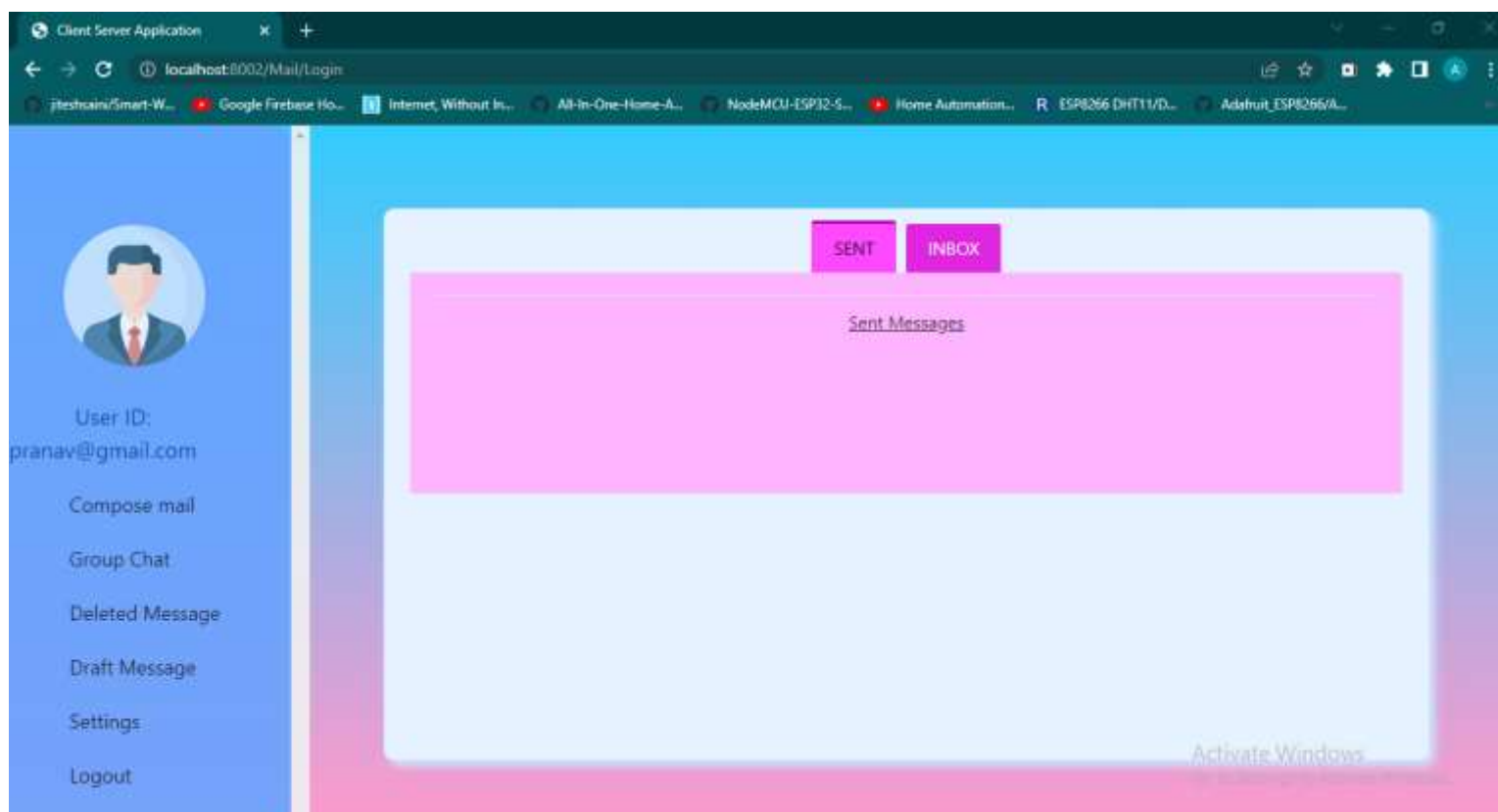


FEATURES:

- Both email ID and Password are mandatory to be filled.
- The details must with the credentials that was given at time of registration.

2.1 USER'S PAGE :

After login, user will be able to see a page as attached below.

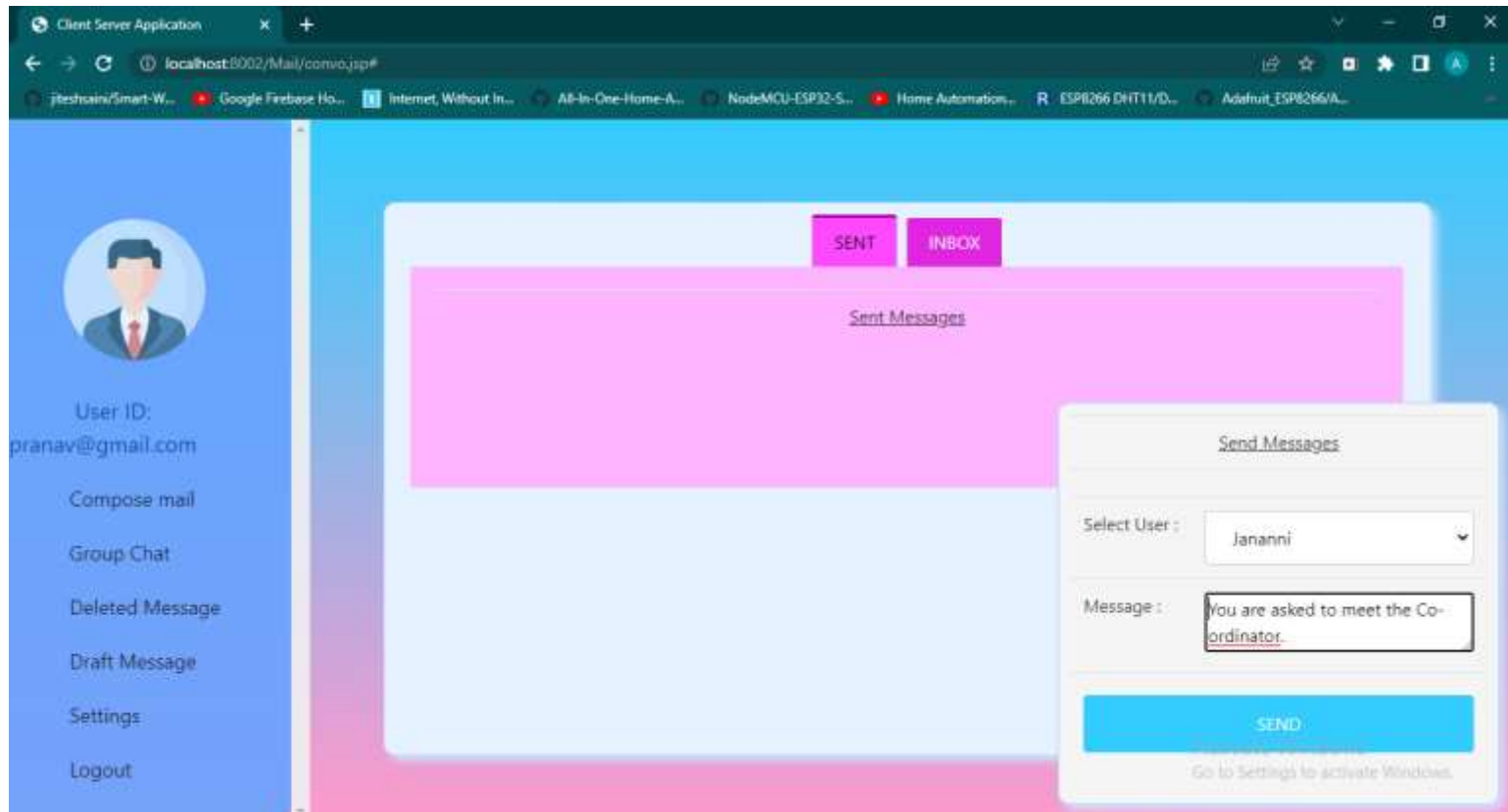


User will be able to

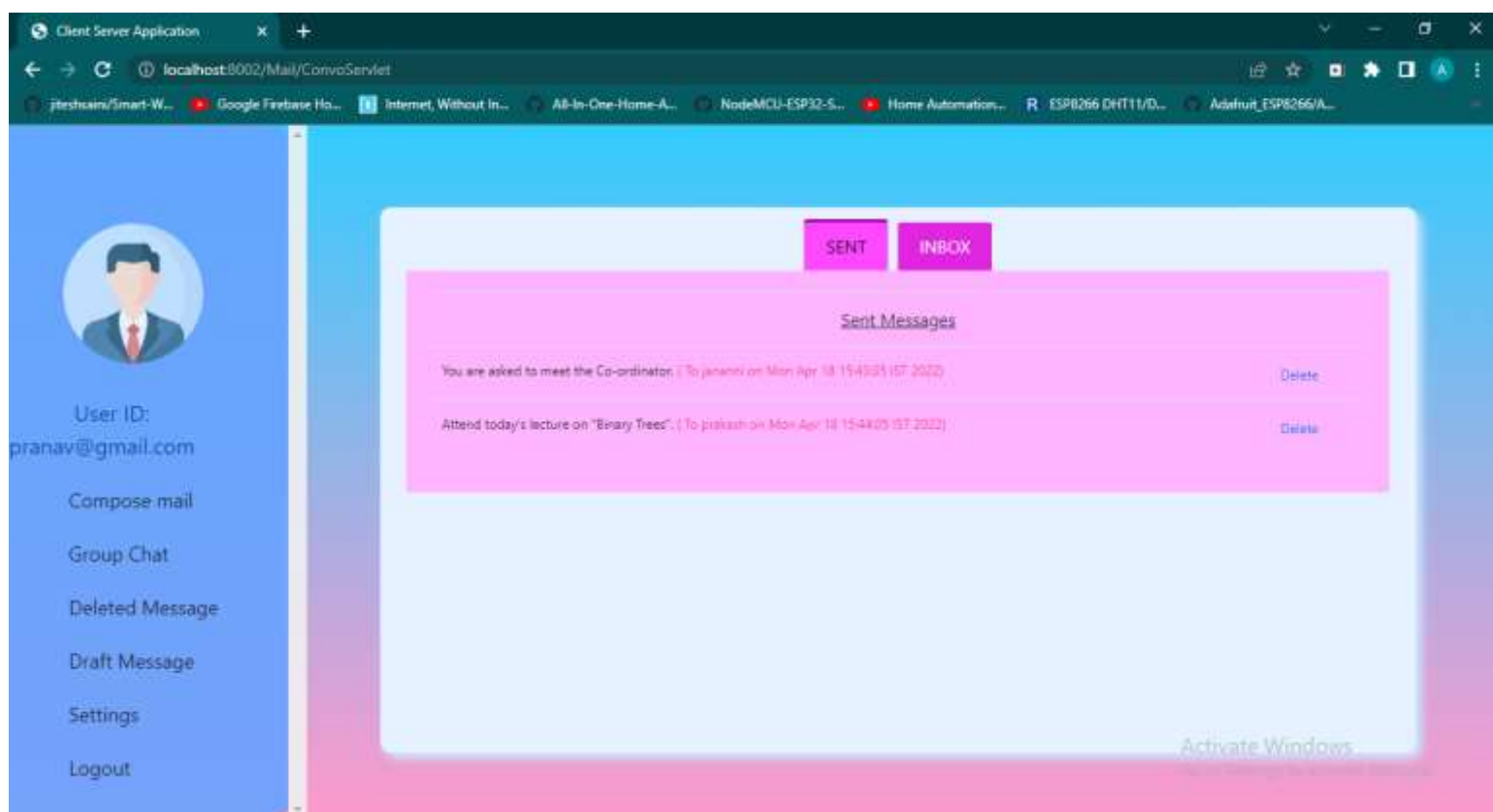
- Compose a mail and send it to appropriate recipient.
- Chat with all the other users using the application
- Delete the message
- Draft a mail.
- Customize settings.

2.2 COMPOSE A MAIL :

On clicking “Compose mail” ,a pop up page appears where user can compose a mail.

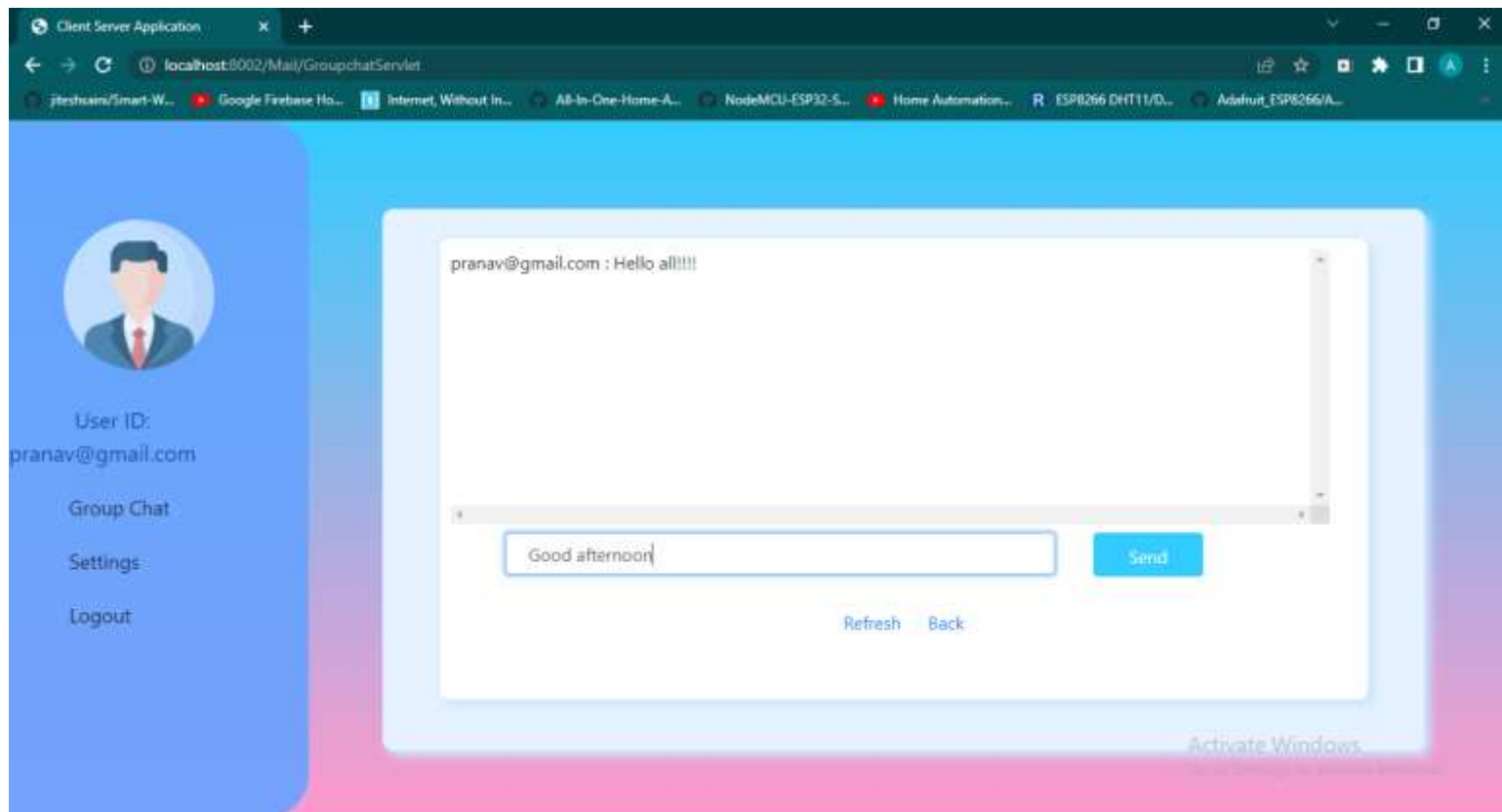


Once,the mail is sent,it is then displayed on the “SENT” panel as seen on the image below.



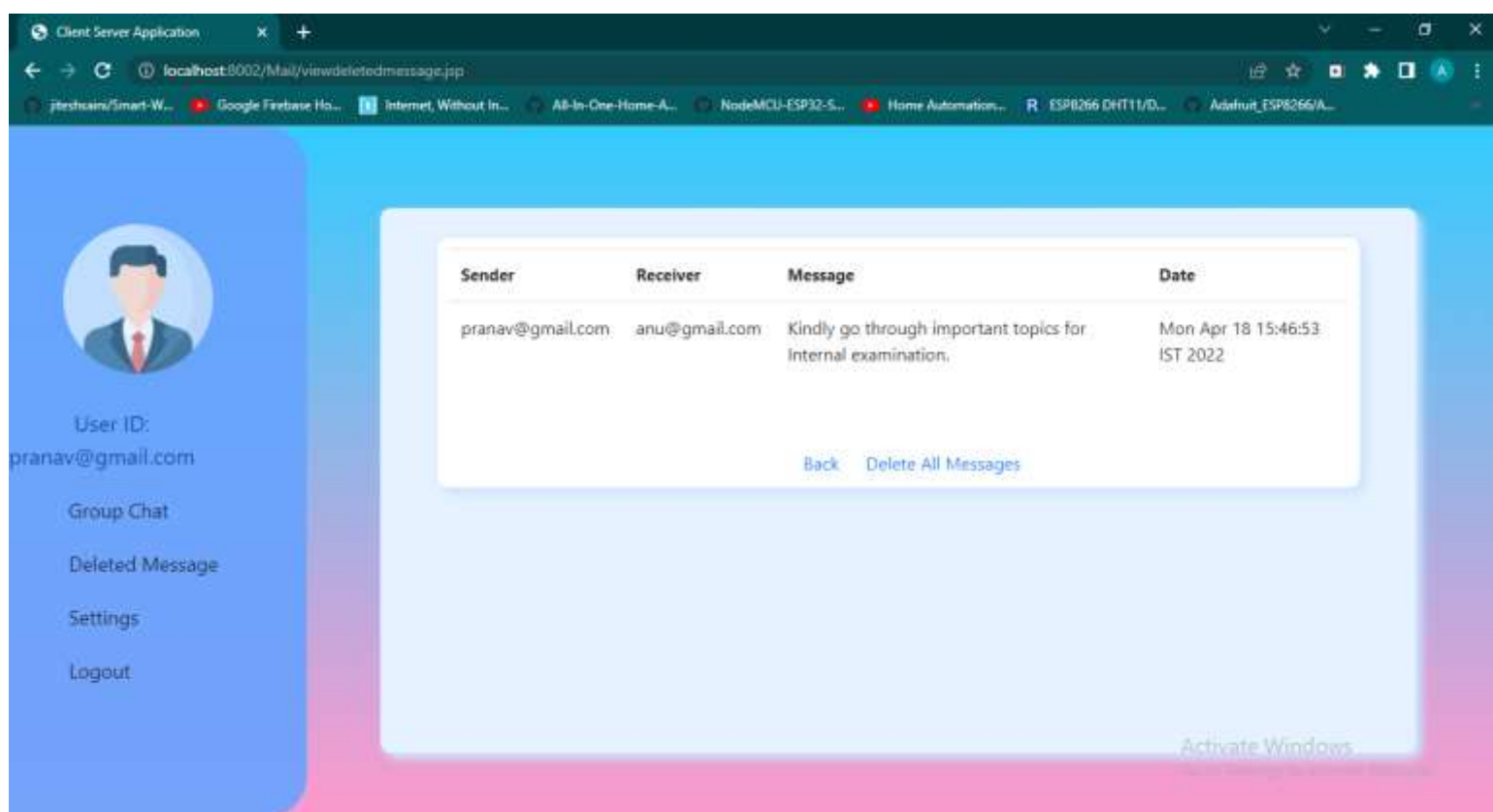
2.3 CHATting WITH THE FELLOW USERS:

On clicking, “Group chat” in the navigation bar, user will be directed to the group chat page.

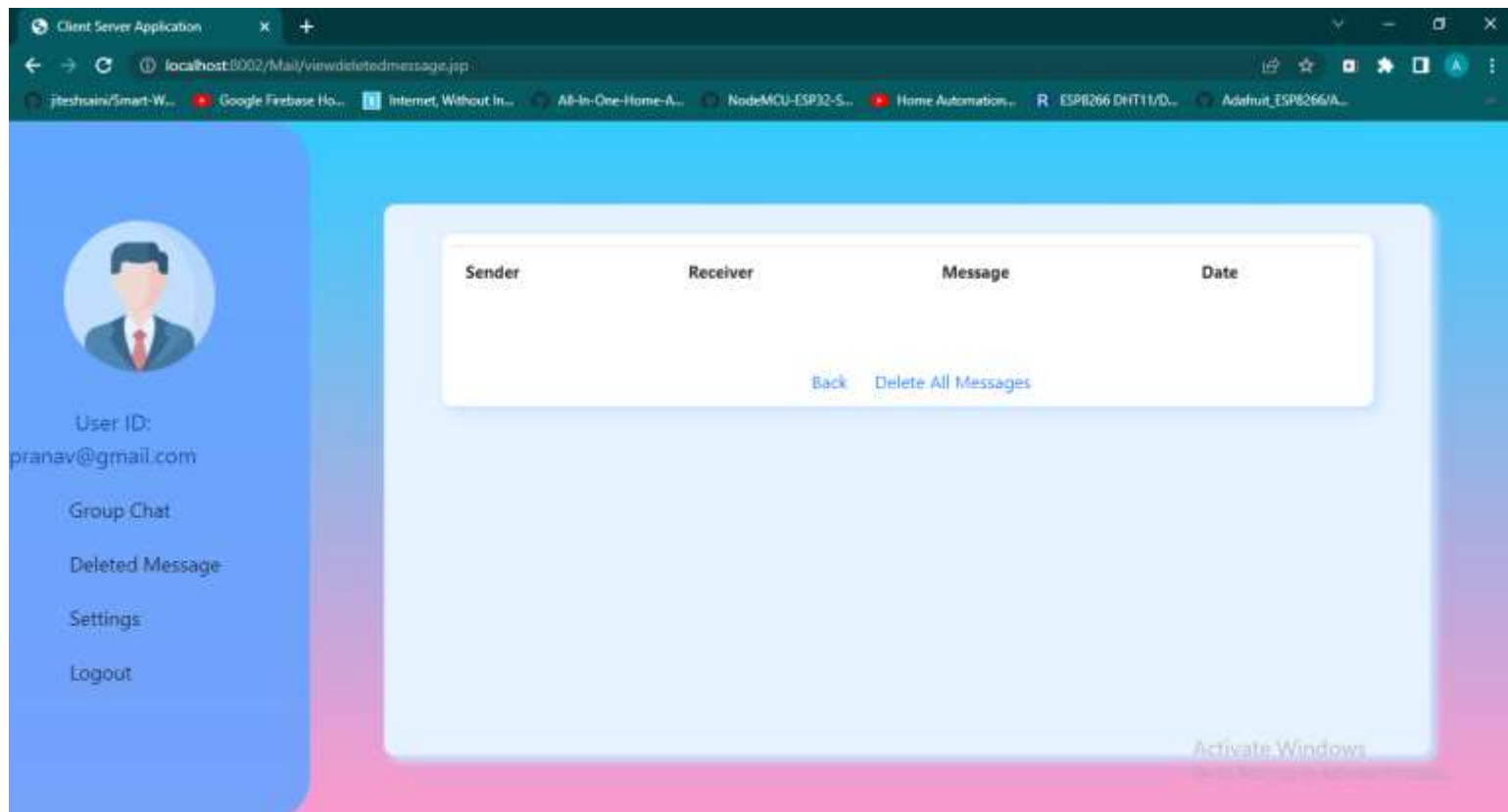


User will be able to interact with the fellow users and all the other users who have texted before will also be displayed in the chat box.

2.4 DELETING THE MESSAGE :

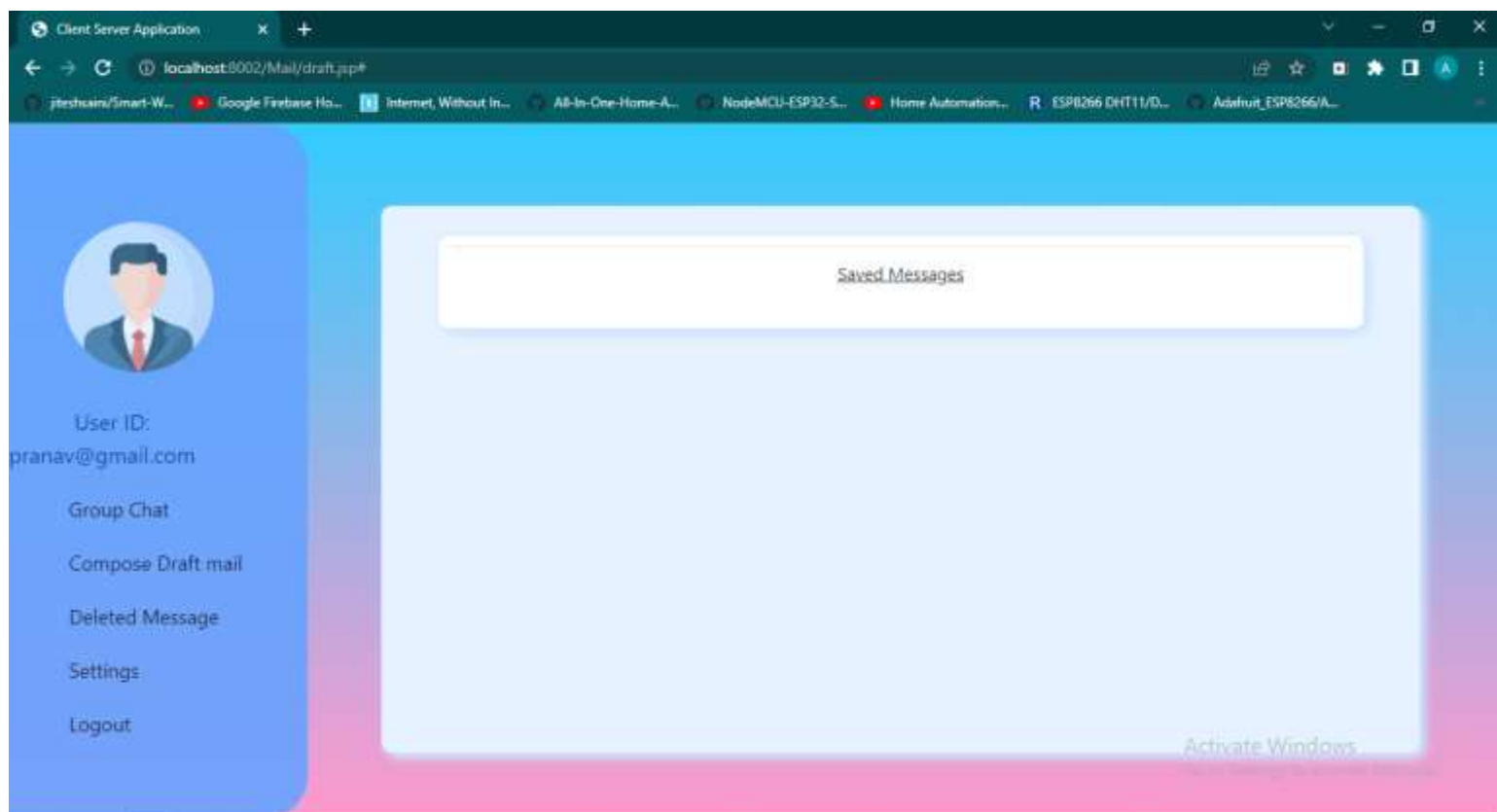


On clicking “Deleted Message” in the navigation bar, user will be directed to the page where he/she can see all the mails that had been deleted. By clicking on “Delete all Messages”, all the messages will removed permanently.

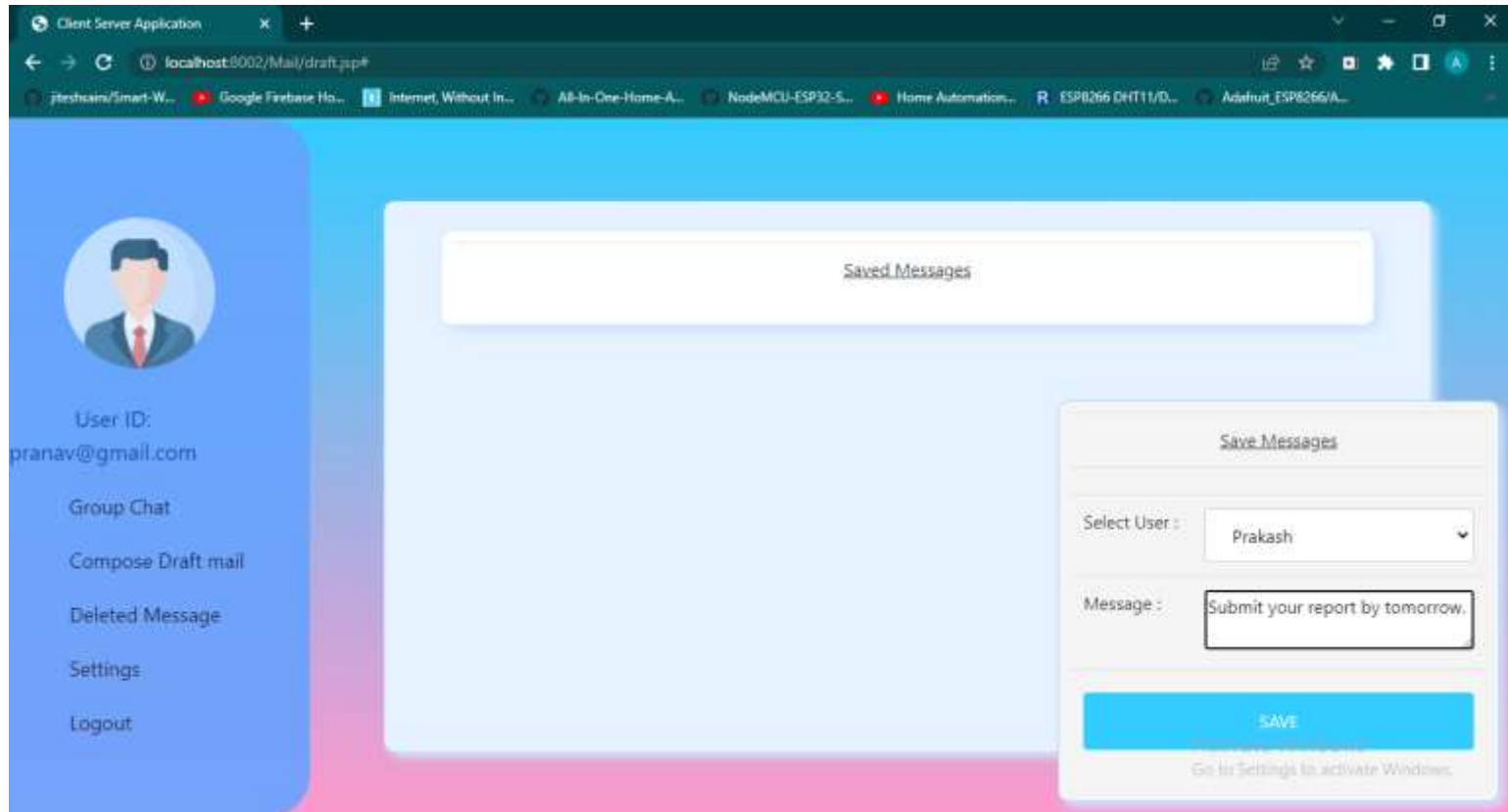


2.5 DRAFT A MAIL :

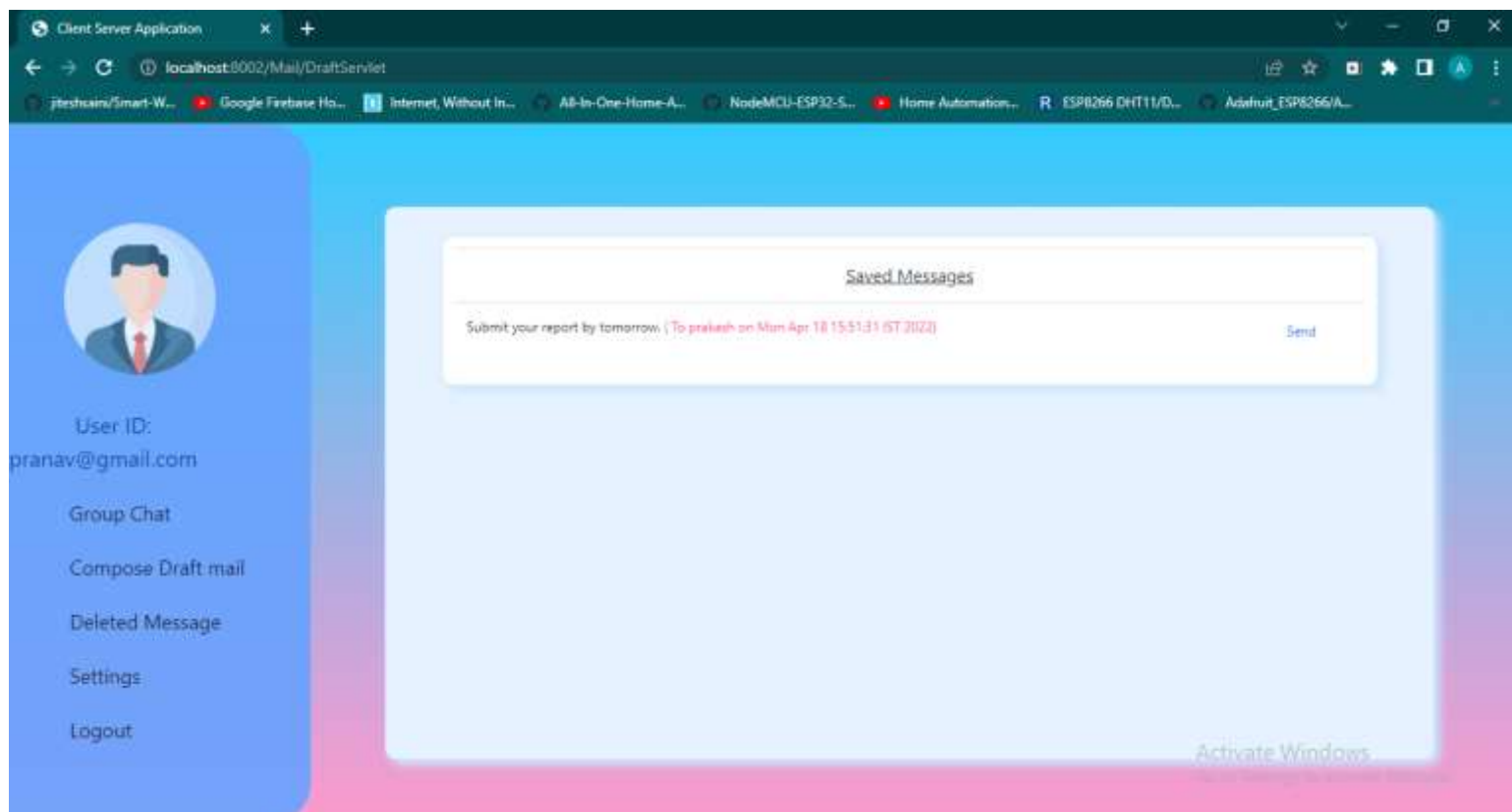
On clicking “Draft messages”,user will be directed to the drafting mail page.



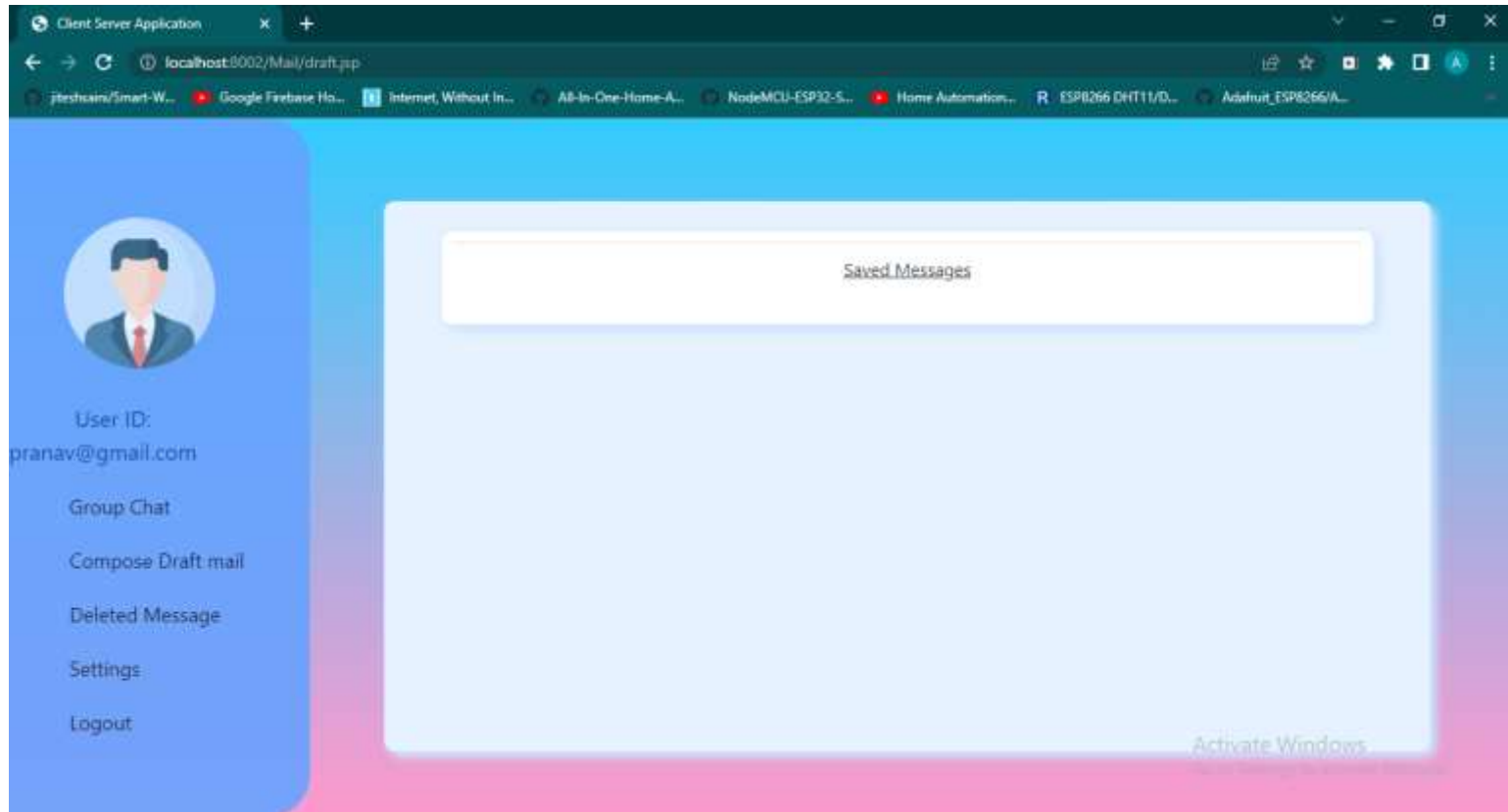
By clicking “Compose Draft Mail” user will be draft a mail.



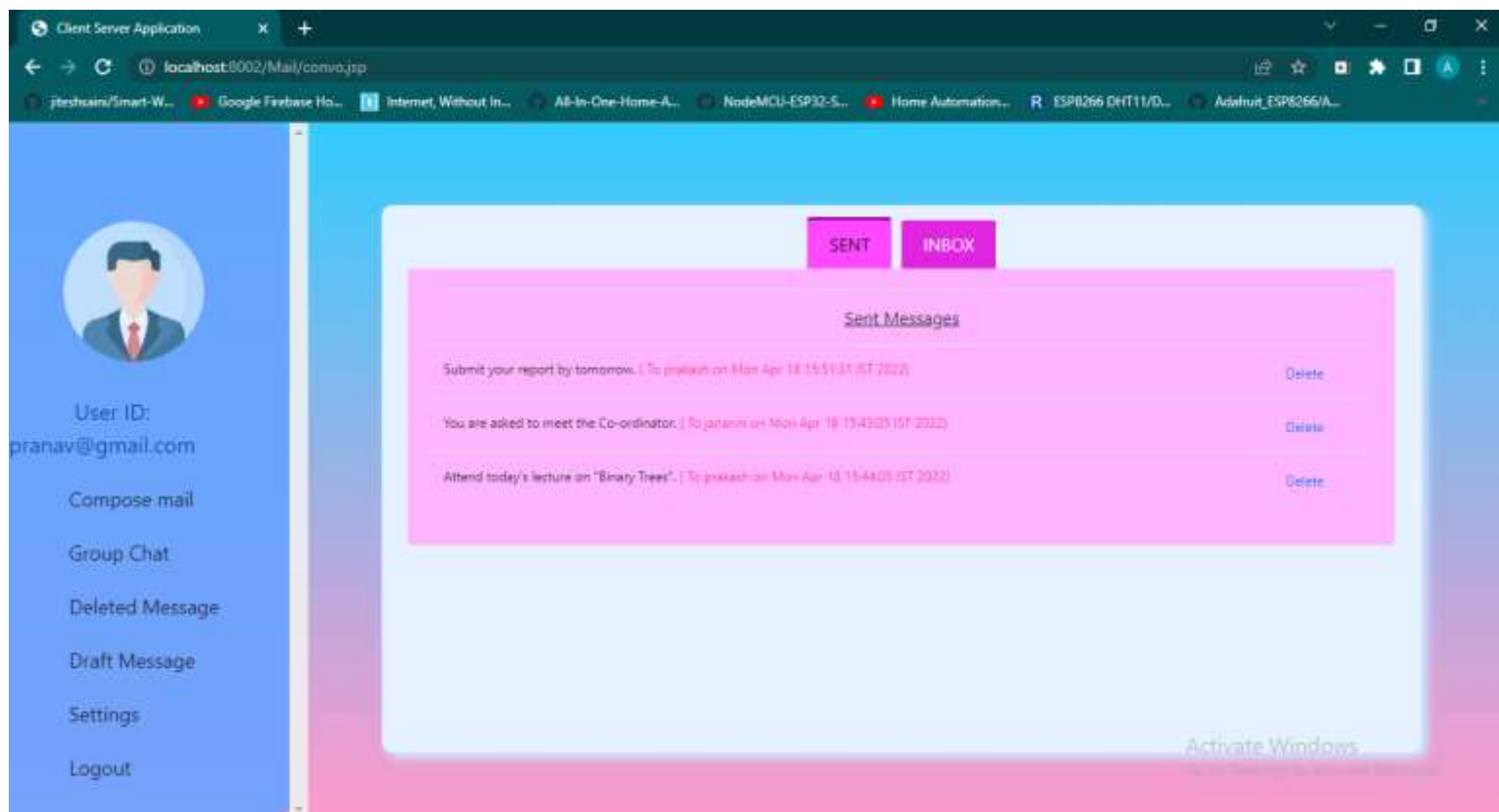
Once the mail is drafted it gets displayed in “Saved Messages” panel.



On clicking “Send”,the drafted mail is sent to the appropriate recipient and is removed from the saved messages panel.



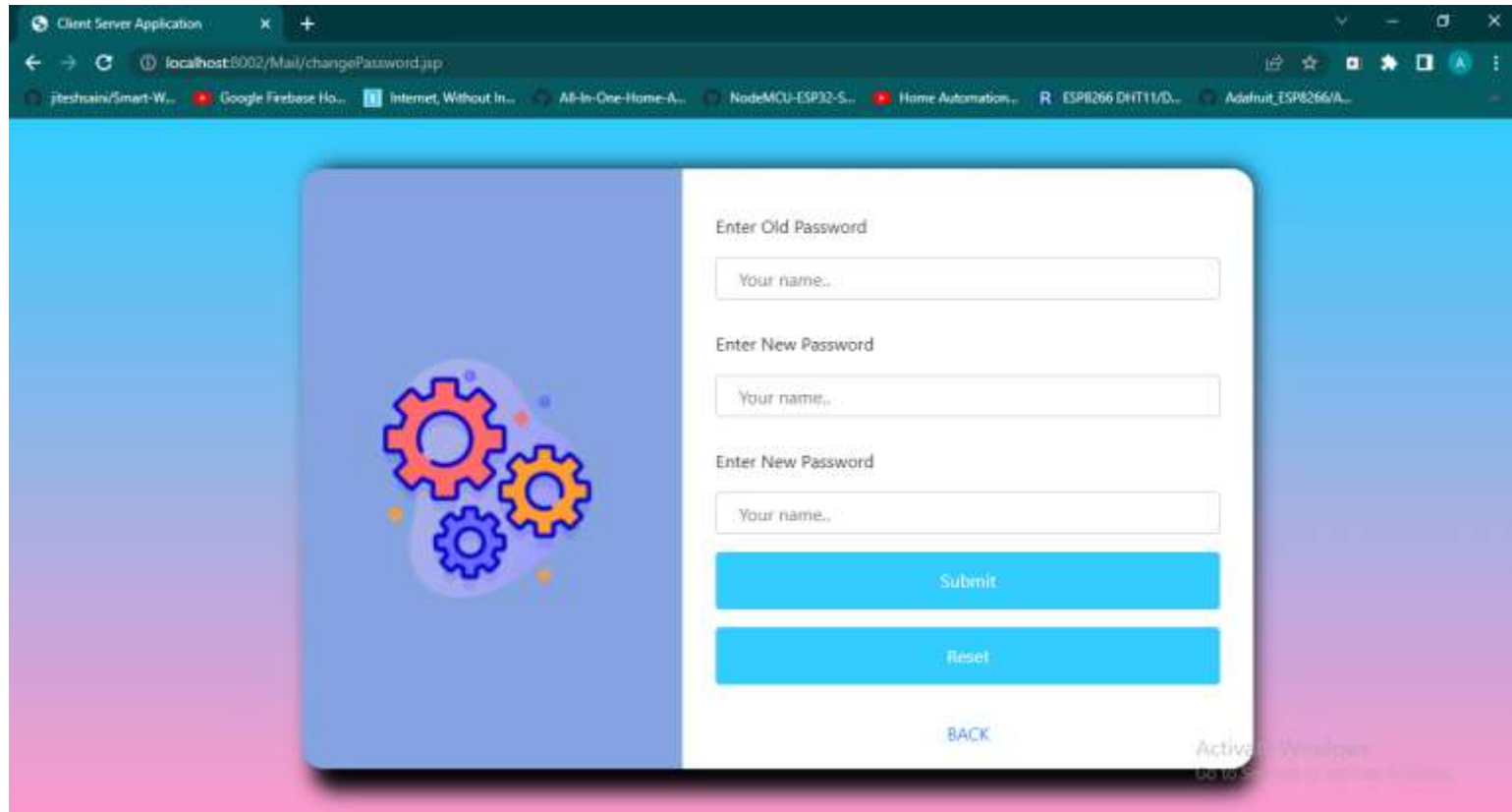
The above image picturizes that the sent mail is removed from Draft mail page.



The above image picturizes that the sent mail is now, in the “SENT” panel.

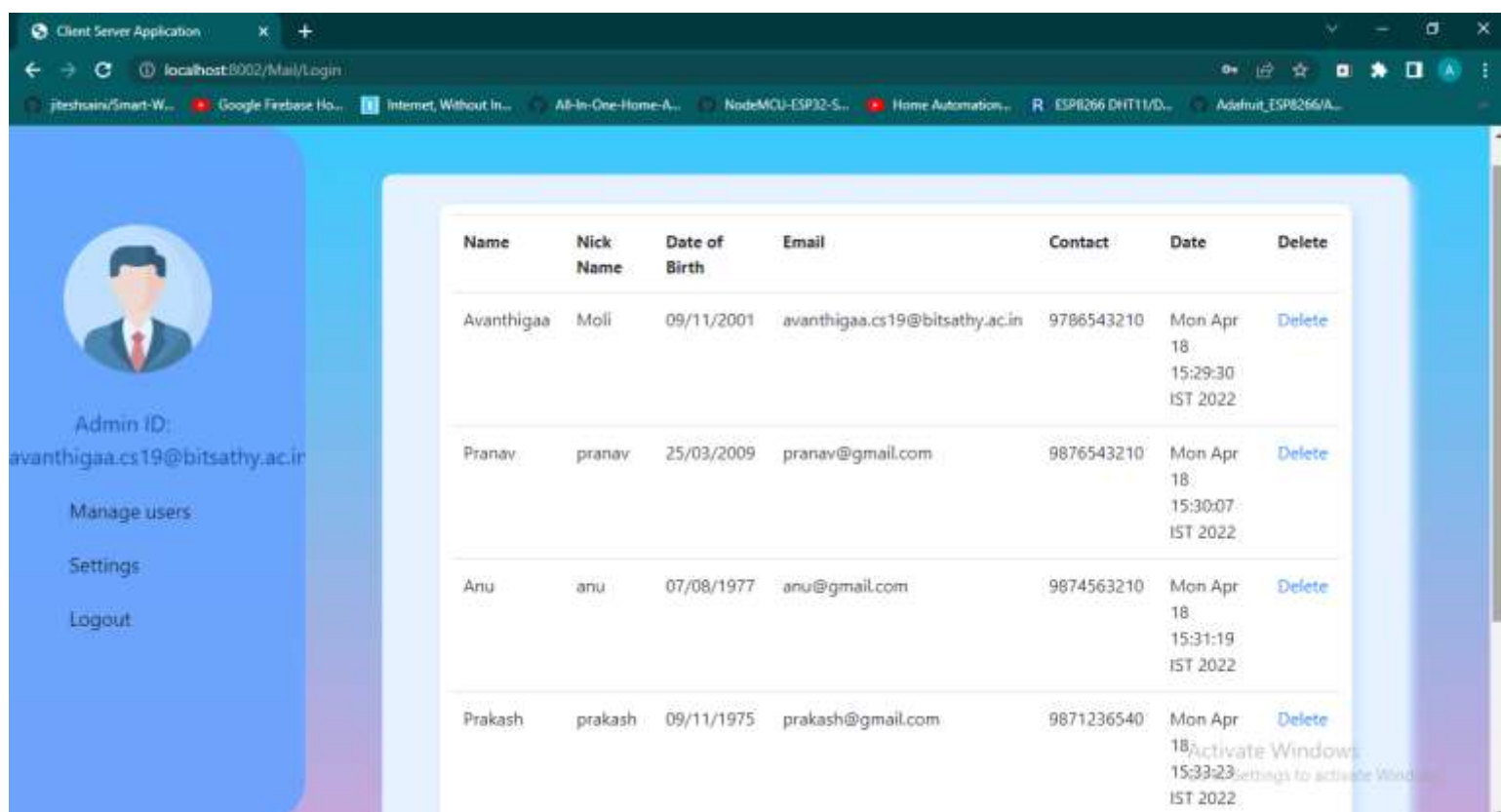
2.6 CUSTOMIZE SETTINGS:

User has the provision to change his/her own password by clicking on “Settings” in the navigation bar.



2.7 ADMIN'S PAGE :

Once the admin logs in, he/she will be directed to a page as attached below.



Admin has the provision to remove any user from the application, by clicking on "Delete" option. (Refer to the image attached above).

Admin will be able to change the settings.

Once logged out, both admin and user will be redirected to "login page".

3 TABLES USED :

Totally 3 tables have been used for this application.

S.No	Table Name	Used for
1	Users	Storing all the user's information
2	Message	Storing all the messages sent and received by the users

3	DraftMessage	Storing all the mails drafted by the user
4	DeletedMessage	Storing all the deleted messages by the user
5	Box	Storing all the chats send and received in group chat box
6	Admin	Storing admin details

3.1 TABLE DETAILS:

Users table :

id	name	nick	dob	email	contact	password	date
10	Avanthigaa	Moli	09/11/2001	avanthigaa.cs19@bitsathy.ac.in	9786543210	avan	Mon Apr 18 15:29:30 IST 2022
11	Pranav	pranav	25/03/2009	pranav@gmail.com	9876543210	pranav	Mon Apr 18 15:30:07 IST 2022
12	Anu	anu	07/08/1977	anu@gmail.com	9874563210	anu	Mon Apr 18 15:31:19 IST 2022
13	Prakash	prakash	09/11/1975	prakash@gmail.com	9871236540	prakash	Mon Apr 18 15:33:23 IST 2022
14	Jananni	jananni	25/08/2002	jananni@gmail.com	9632587410	jana	Mon Apr 18 15:34:28 IST 2022
	NULL	NULL	NULL	NULL	NULL	NULL	NULL

Message table :

id	sender	receiver	msg	date
29	pranav@gmail.com	prakash@gmail.com	Submit your report by tomorrow.	Mon Apr 18 15:51:31 IST 2022
30	pranav@gmail.com	jananni@gmail.com	You are asked to meet the Co-ordinator.	Mon Apr 18 15:43:05 IST 2022
31	pranav@gmail.com	prakash@gmail.com	Attend today's lecture on "Binary Trees".	Mon Apr 18 15:44:05 IST 2022
	NULL	NULL	NULL	NULL

Box table :

sender	msg	date
pranav@gmail.com	Hello all!!!!	Mon Apr 18 15:44:24 IST 2022
pranav@gmail.com	Good afternoon	Mon Apr 18 15:44:40 IST 2022
anu@gmail.com	Hi	Mon Apr 18 17:48:38 IST 2022

Admin;s table :

email	name	password
avanthigaa.cs19@bitsathy.ac.in	Avanthigaa	avan

Deletedmessage table :

Result Grid					
Filter Rows:					
Edit:					
Export/Import:					
Wrap Cell Content:					
	id	sender	receiver	msg	date
▶	34	anu@gmail.com	pranav@gmail.com	Welcome to our campus	Mon Apr 18 17:47:00 IST 2022
	35	anu@gmail.com	jananni@gmail.com	Kindly attend revision classes.	Mon Apr 18 17:47:25 IST 2022
*	NULL	NULL	NULL	NULL	NULL

Draftmessage table:

Result Grid					
Filter Rows:					
Edit:					
Export/Import:					
Wrap Cell Content:					
	id	sender	receiver	msg	date
▶	30	anu@gmail.com	prakash@gmail.com	Send the details soon.	Mon Apr 18 17:46:17 IST 2022
*	NULL	NULL	NULL	NULL	NULL

4 .TECHNOLOGY STACK :

- 1.HTML
- 2.CSS
- 3.JAVASCRIPT
- 4.BOOTSTRAP
- 5.JSP
- 6.SERVLETS
- 7.MySQL