Shri Guru Gobind Singhji Institute of Engineering and Technology, Vishnupuri,Nanded-431606

NEXUS

(RNXG)

PROJECT-REPORT
Team

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WHAT IS NEXUS?

"Nexus" is a Web Application which helps community to have a social connectivity within their groups. This app enables users to have their profile, and they can add posts, images, videos, quotes, captions to their feed.

It is a Social Media app which contains the basic social medium features to enhance the ability similar to any other social media applications ongoing worldwide.

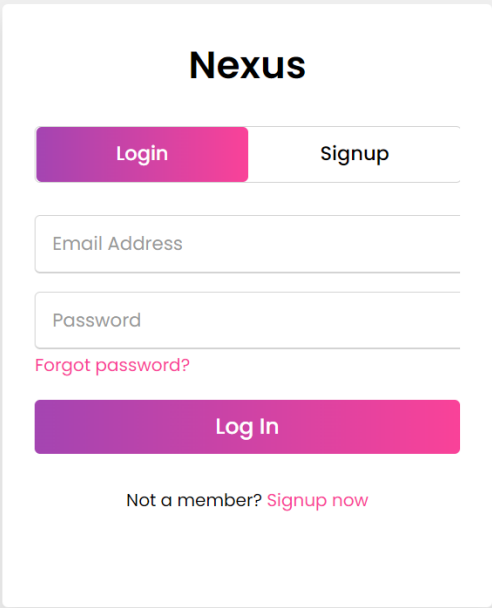**TECHSTACK USED:**
1. REACT
2. MONGO DB
3. EXPRESS
4. NODEJS

INTRODUCTION:
Nexus is a modern application with new enhanced features commonly used today in Social-media applications.

Key Highlights:
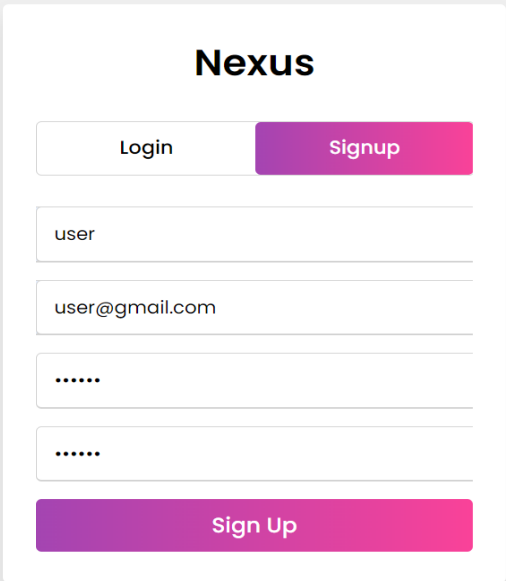*1) There is a fully-functional Login/Sign-up System.*
2) Users can post Images/Gifs.
3) Users can post description.
4) Users can like others post.
5) Users can follow each other. (POSTMAN)
6) Users can update their posts/ Delete their post. (POSTMAN)
7) There will be personal profile for each user.
8) We can search another user.   (POSTMAN)
9) Users can delete their account as well. (POSTMAN)

Let's start our Navigation!

1) Every new user comes he is redirected to login page(*http://localhost:3000/login*)

2) First of all, he has to Sign up.

3) After registering new user will be added to MongoDB.


User Registered on Database

_id: ObjectId("61db1bf81d894023afc7163e")
username: "user"
email: "user@gmail.com"
password: "$2b$10$Bp7kjTaNFId3c07ZocyJEeCm/9vI27s8SFZj4J8nc2Z9fUTKXoXqW"
profilePicture: ""
coverPicture: ""
> followers: Array
> following: Array
  isAdmin: false
  createdAt: 2022-01-09T17:31:36.847+00:00
  updatedAt: 2022-01-09T17:31:36.847+00:00
  __v: 0

4) After Signup User will be redirected on login page.

5) Now user must enter right credentials.
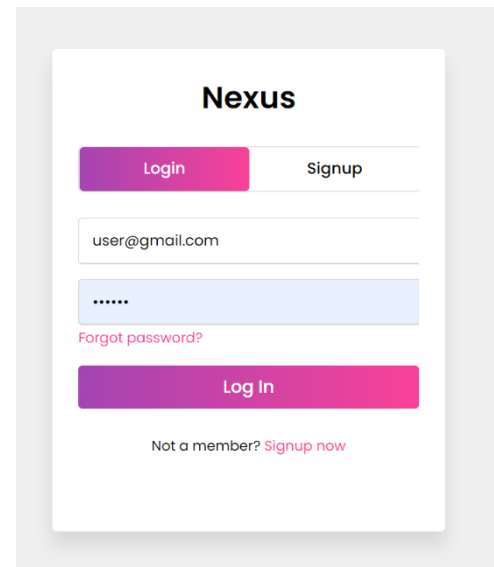
6) Now he will be logged in!
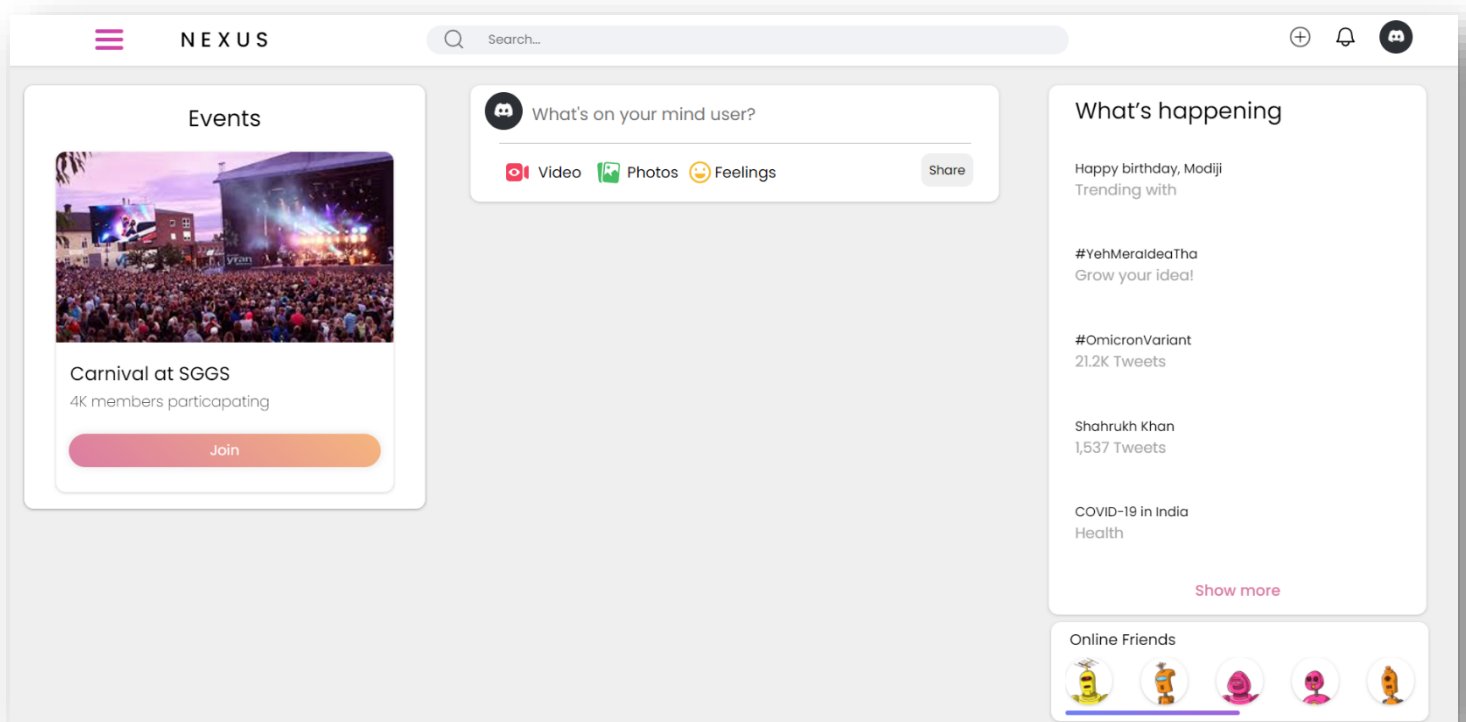
7) This type of interface will appear.

8) There are no posts currently because user haven't posted anything yet and he doesn't follow anyone also.

9) So, let's make friends first of all. (*Postman used*)

Note: (To make friend we have to follow someone so we already made some dummy users for testing)

Id of user that we want to follow (id from database)

| PUT | http://localhost:8800/api/users/61d87bb2cd76ca7e0c64fa8e/follow | Send |

Params   Auth   Headers (8)   **Body ●**   Pre-req.   Tests   Settings   **Cookies**

raw   ∨   **JSON** ∨   **Beautify**

```
1  {
2      "userId":"61db1bf81d894023afc7163e"  ←          Our userId
3  }
```

Body   Cookies   Headers (16)   Test Results   ⊕ 200 OK 145 ms 816 B   **Save Response** ∨

Pretty   Raw   Preview   Visualize   **JSON** ∨   ⇄

```
1  "user has been followed"
```

10) After we follow another user, his posts will also get loaded.
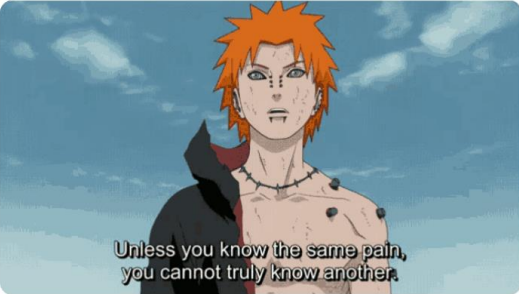
11) Let's try to post our posts now.
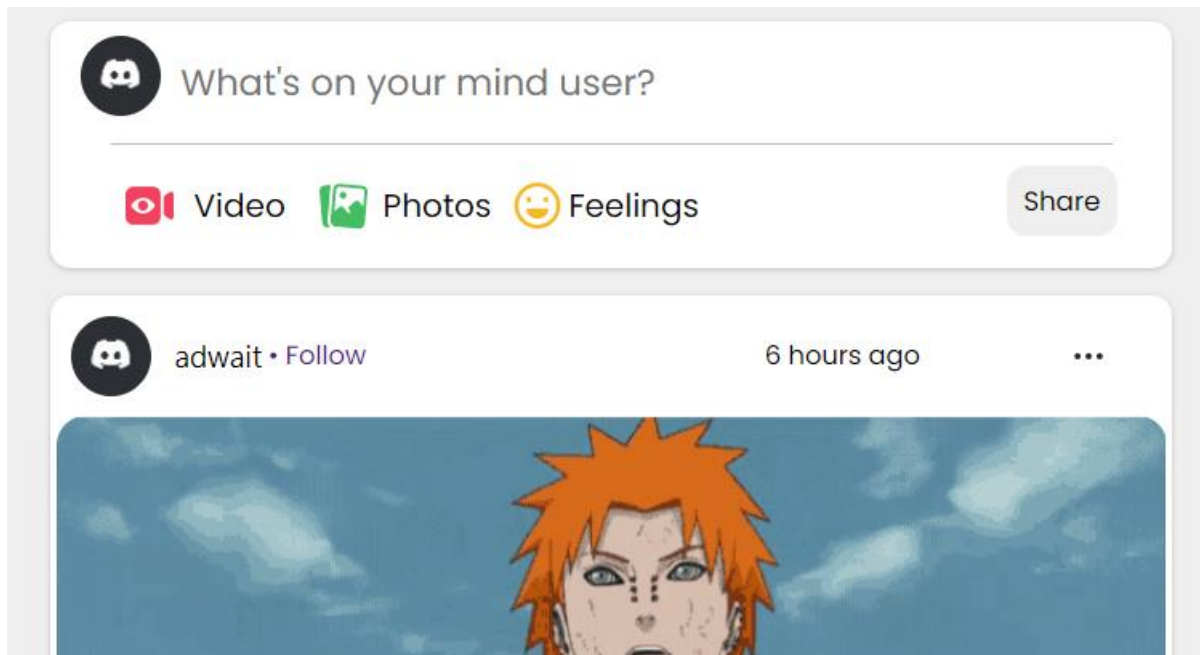
12) Try to type something (Hello World)

13) Click on photo to upload photo/GIF and then select file.
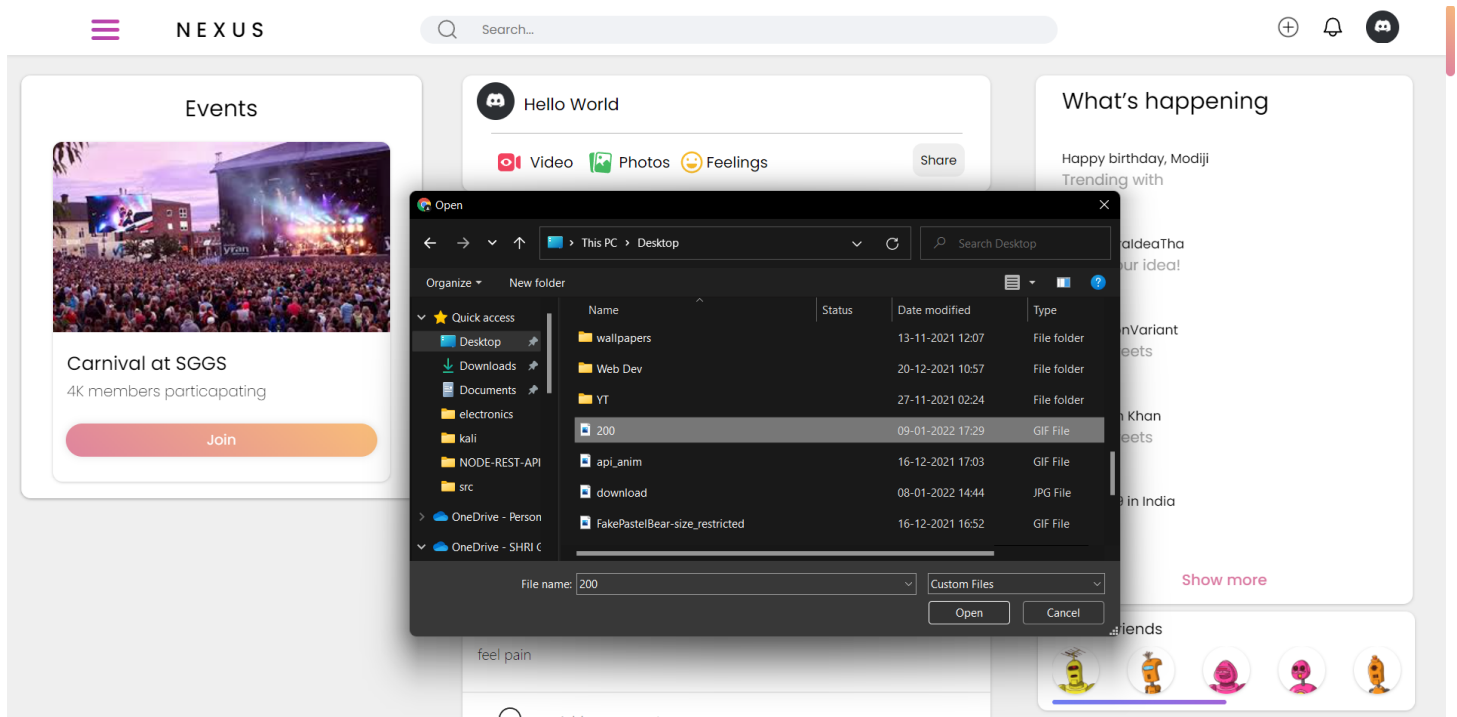
14) Click on share.

15) We posted our first post successfully!
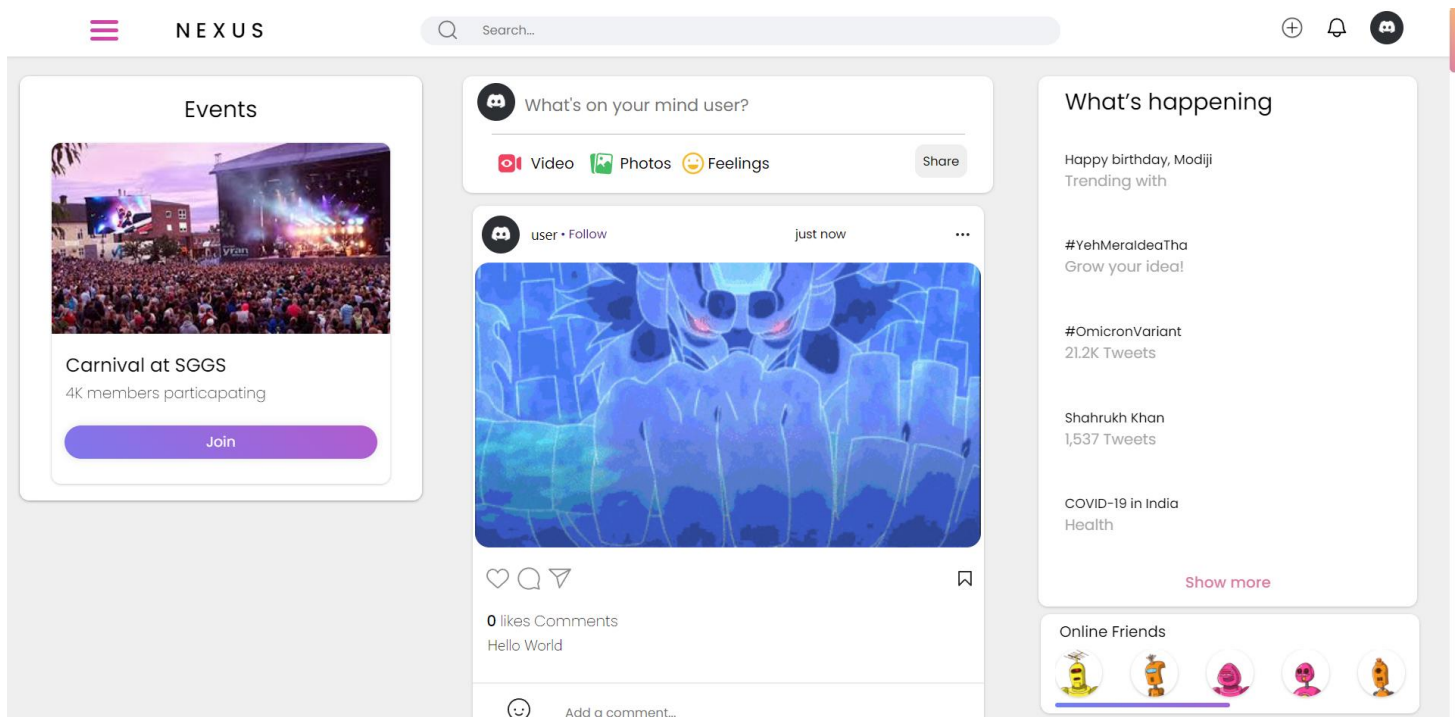
16) We / Our friend can also like our post now. (By double tapping image or clicking like icon)

17) Data of post will also get updated in Data base.

18) Now how to update post after posting?

19) We can update post (*Postman used*)

Post Id of post

Id of user
And Updated description

20) Now Changes will be reflected on our main page.
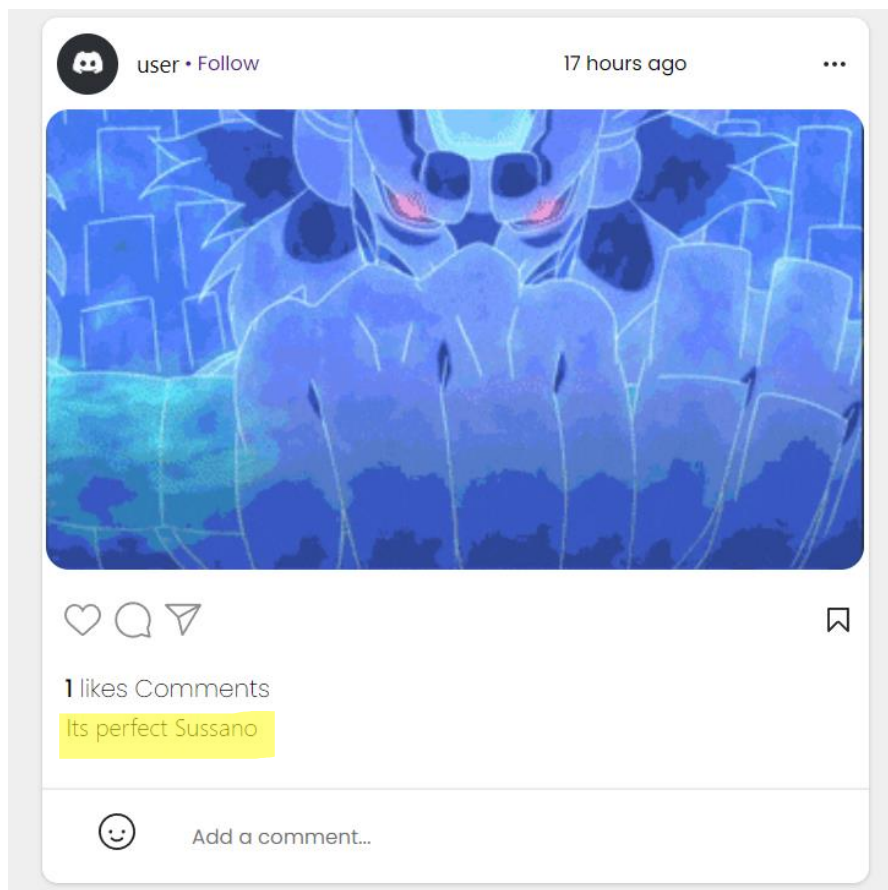
20) If I don't like my post anymore, we can delete it. (*Postman used*)

social / delete post

DELETE   http://localhost:8800/api/posts/61db29f61d894023afc71669

Params   Auth   Headers (8)   Body ●   Pre-req.   Tests   Settings   Cookies

raw ∨   JSON ∨   Beautify

```
1  {
2      "userId":"61db1bf81d894023afc7163e",
3  
4  }
```

Body   Cookies   Headers (16)   Test Results   🌐   200 OK   68 ms   819 B   Save Response ∨

Pretty   Raw   Preview   Visualize   JSON ∨   ⇄

```
1  "the post has been deleted"
```

21) Post will be removed successfully.

21) Let's visit what's happening section.

22) This section is under development
    But still, you can see, it is going
    to raise most hot topic.

23) And bottom section will show
    Online people which we follow.
    And it is also under development.

What's happening

Happy birthday, Modiji
Trending with

#YehMeraIdeaTha
Grow your idea!

#OmicronVariant
21.2K Tweets

Shahrukh Khan
1,537 Tweets

COVID-19 in India
Health

Show more

Online Friends

Events

Carnival at SGGS

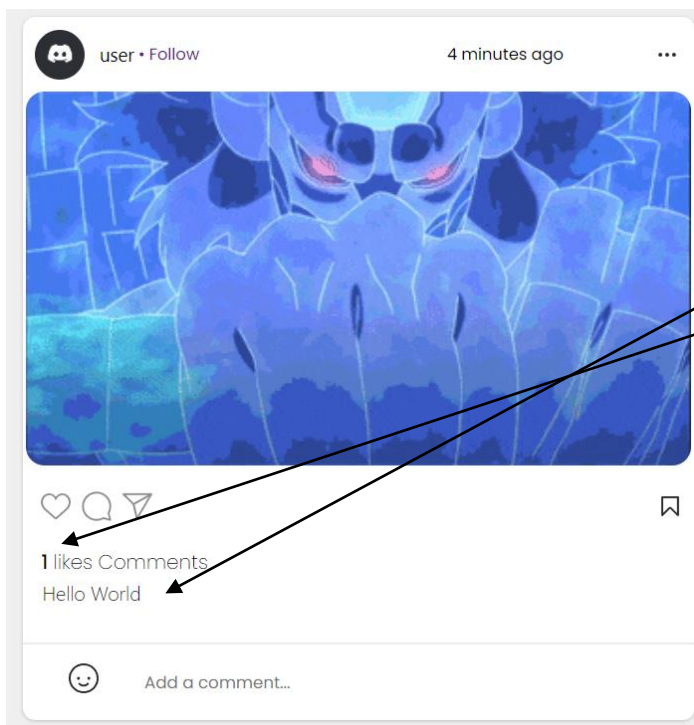4K members particapating

Join

24) Events section can highlight ongoing/ upcoming events and it is also under development.

Search Bar

Notification

NEXUS   Q Search...   ⊕ 🔔 🙂

Toggle Button and Title

Create Post
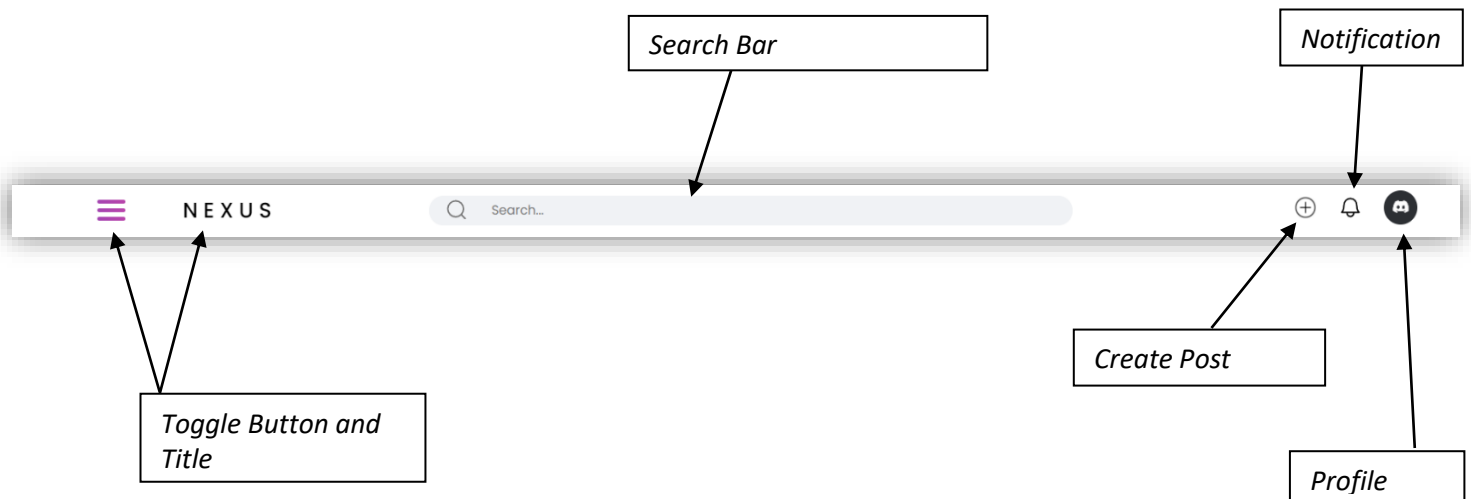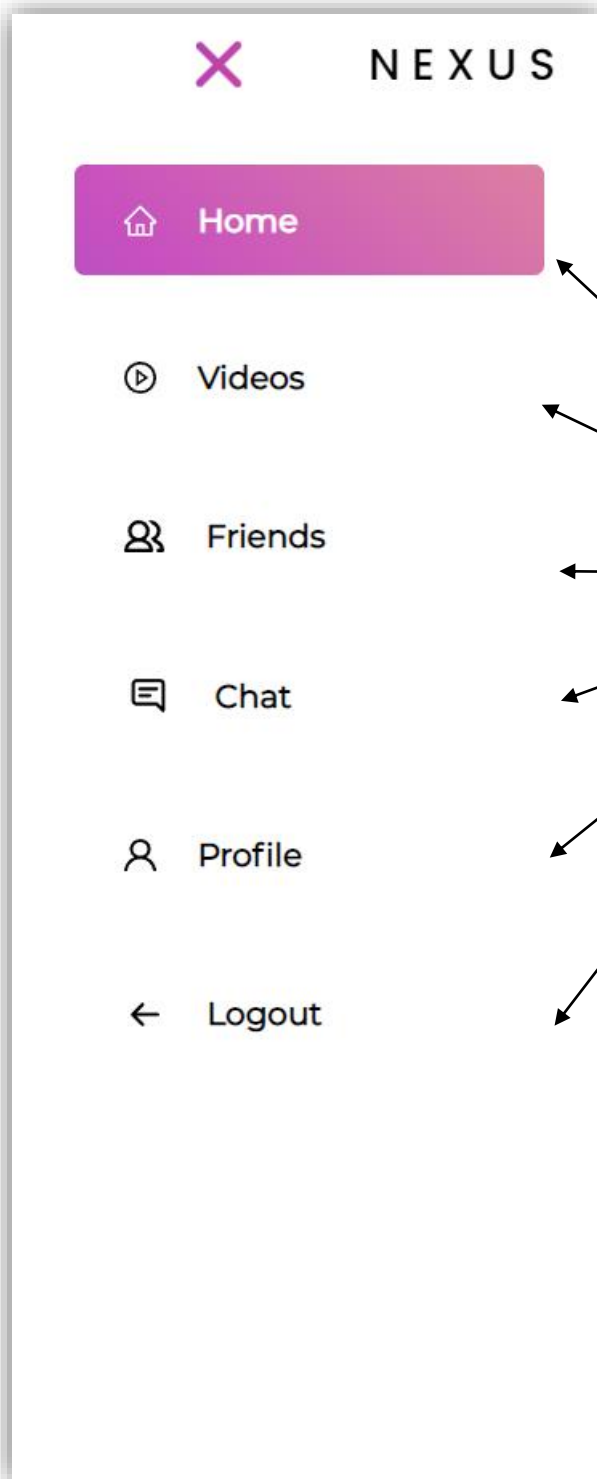
Profile

25) This menu appears when clicked on toggle button

This menu has links of multiple pages. First of all, home itself, profile, chat, etc.
User has here option for logout.

26) Let's Jump now to profile page, it is under construction but still you will like it.

Here will be Users cover picture

Here will be users profile picture

NEXUS

Search...

user

Posts   About   Friends   Media   Groups

Left Side

What's on your mind user?

Video   Photos   Feelings   Share

You can post here also

27) There is chat page but it's under construction.

28) Feature of search user and follow user is going to come next, we have successfully achieved it with postman but still it's under development and testing with help of frontend.

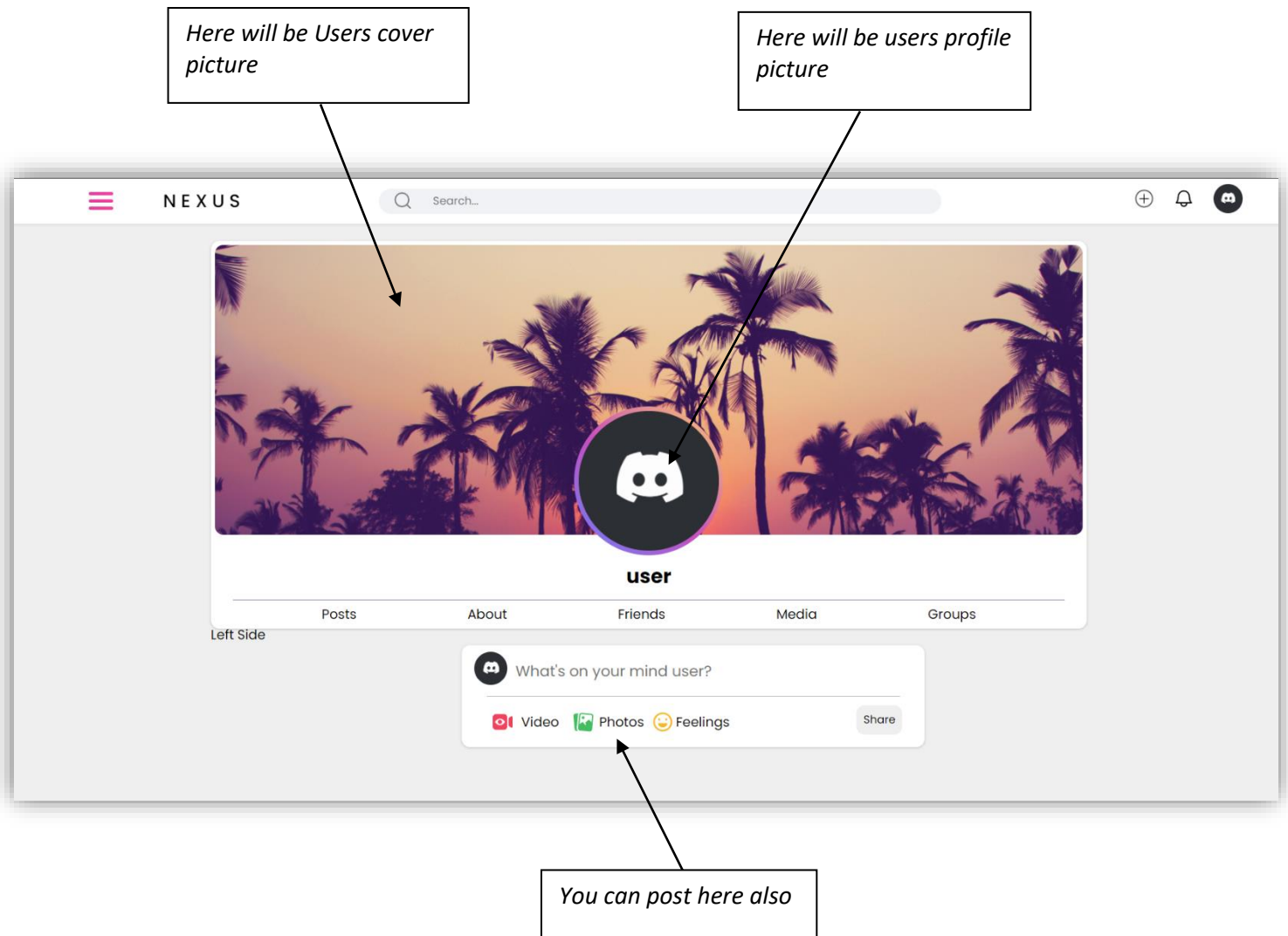29) Lastly let's try logout.

30) User will be logged out and redirected to login page.

Chat

Profile

← Logout

Posts   About

Nexus

Login   Signup

user@gmail.com

......

Forgot password?

Log In

Not a member? Signup now
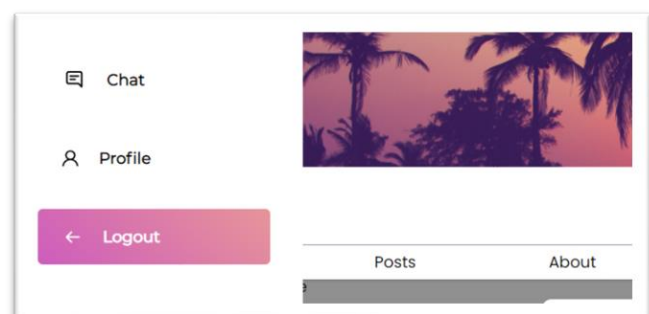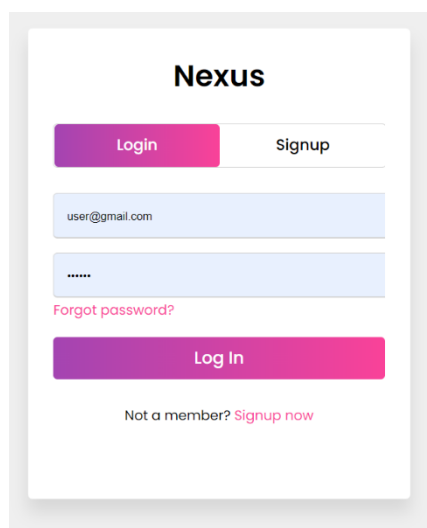
3. Application and Future Scope

Application:

    In our project, we aimed to develop an online social platform to promote exchange of knowledge. Our objective was to create a community where students can come together and help each other to sharpen their skills.

    *With the help of **Nexus**, students can share photos/videos of their achievements, projects to inspire others, they can connect & chat with peers directly, they will stay up-to-date with things happening in the community via the "what's happening!" feed. The community will consist students from Freshers to Alumni of SGGS, where everyone can connect & collaborate with each other.*

Future Scope:

    Considering the current version of Nexus, there are a lot of features under-development or testing for example comments, events, what's happening, chatting, searching etc. In future, the website can be scaled up to accommodate more users. The website is also not mobile-friendly as of now, which is also something we are looking forward to fix.

    In short, there is a lot of scope in further development of the Website, and we will be looking forward to implement as much features as we can.

4.Conclusion

We began the project with little knowledge of web development at all.
Over the course of 2 months, we worked on our web development skills together, helping each other whenever needed. And now we are pretty confident about our skills.
Apart from all the Technical Knowledge we all adapted Team Work and Patience. Despite of all the scheduling problems, our Irregular work times, we still managed to complete our project sincerely and in given time.

At last, we like to make a generous thanks to our Director Sir for providing a wonderful ambiance such as RNXG Club for us. Thank you, seniors, for this project idea, also for your help throughout the project. It made a great deal working on this project! Lastly, we team members thanks each other for our contribution and sincerity.