Vidya Pratishthan's

Commerce and Science College, Indapur.

Indapur, Dist- Pune[413106]

Faculty Of Commerce

[BCA Department]

(Three Year Degree Course)

PROJECT REPORT

ON

SOCIAL MEDIA APP (ANDROID APP)

By

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Submitted to

Vidya Pratishthan's

Commerce and Science College Indapur.

Savitribai Phule Pune University, Pune.

For The Particular Fulfilment of the Degree

Bachelor of Computer Application (Semester - 6th)

2021-2022

VPCSC

Vidya Pratishthan's,

Commerce and Science College, Indapur.

Tal- Indapur, Dist- Pune [413106]

[BCA Department]

CERTIFICATE

This is Certify that the Project Report entitled "Social Media App (Android Application)" Is record of Project Work, carried out in this college by **Nandivale Amol Sayabanna** in partial fulfilment Award of TYBBA (Computer Application) (6^{th} Semester) as laid Done by **Savitribai Phule Pune University, Pune.**

This project present his sincere work carried out under Prof. Awate S.B, Guidance.

Name: Mr. Nandivale Amol Sayabanna Seat No:-

Roll No:- 1335

Prof. Awate S.B	Prof. Kaldate N.S	Dr.Nirmal Sahuji
(Project Guide)	(H.O.D)	(Principle)

(Internal Examiner) (External Examiner)

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• Introduction to System / Abstract

Firstly, The name of the application is “Memer’s Katta” (Social Media App). It means in this app have lot of memes can upload by individual user. Why we take specifically meme app when compared with social app. I have implemented some basic features as well as some advanced level. I used Java programming language for backend process. I used XML for front-end process. I am providing Firebase email authentication with verification of email function. The main dashboard like Instagram it means bottom navigation with four fragments. That four fragments are attached to activity which is called home activity or main activity. Profile fragment us major attraction for this application.

In this application I was used Firebase as a database for save and retrieve. User can upload a post and a text (User wish). All posts are available to see in feed fragments which is order by timestamp. Post size is square because we use crop Dependency for this. User can search friends to see their status it means their photos and followers. Everyone can follow and unfollow by clicking a button. No hardcode are used. User can save posts and download posts into their gallery. User can share post-image to other social media or something else. The main thing in this application is “Offline use” it means user can see posts while offline and commenting. Another feature is commenting. This is simple layout and function. Double tap to like feature is also available in application.

- **Hardware and Software Requirements**

User must have an Android Phone to use this app

- **Development Tools**
  1. Android Studio (IDE).
  2. Java (Back-End)
  3. XML (Front-End)
  4. Firebase Database
  5. Firebase Realtime database
  6. Firebase Firestore
  7. Android Phone/ Android Virtual Device
  8. SDK
  9. JDK 16

- Hardware Requirements
  1. Minimum 500mb RAM
  2. Android API level 21 or upper
  3. Android 500mb reserved storage
  4. Android phone(version 4.0.1 0r greater)
  5. Internet connection 200kb speed
  6. Minimum 1.8GHZ processor or later

- **Limitations of Social Media App**

  - Easy access for hackers to launch spam attacks commit fraud such as identity theft.

  - Increase the possibility of people being targeted to online scams resulting in data or records theft.

  - Leads to negative feedback from employees if they are subjected to legal action for browsing illegal, non-permitted web sites.

  - Leads to diminished productivity if employees are engaged in activities such as updating profiles and the like.

• Scope of social media

- Social media apps have always been a strong part of the IT market. When the name social media comes, the first thing everyone thinks of Facebook which is the most famous social media platform all over the world.

- It has always been observed that with great powerful social media apps.

- Enjoy the videos and music you love, upload original content, and share it all with friends, family, and the world on YouTube.

- **App Features**

1.Firebase Email Authentication (Verification features also).

2.Retrieve password

3.Beautiful Bottom Navigation view

4.Search users

5.Upload a post or text with colours.

6.See Any User Profile Photo's and Followers etc.

7.Feed lot of Posts

8.Save Posts

9.Data Access While Offline

10.Like, Comment and Share features

11.Notifications

12.Retrieve All Data from Firebase

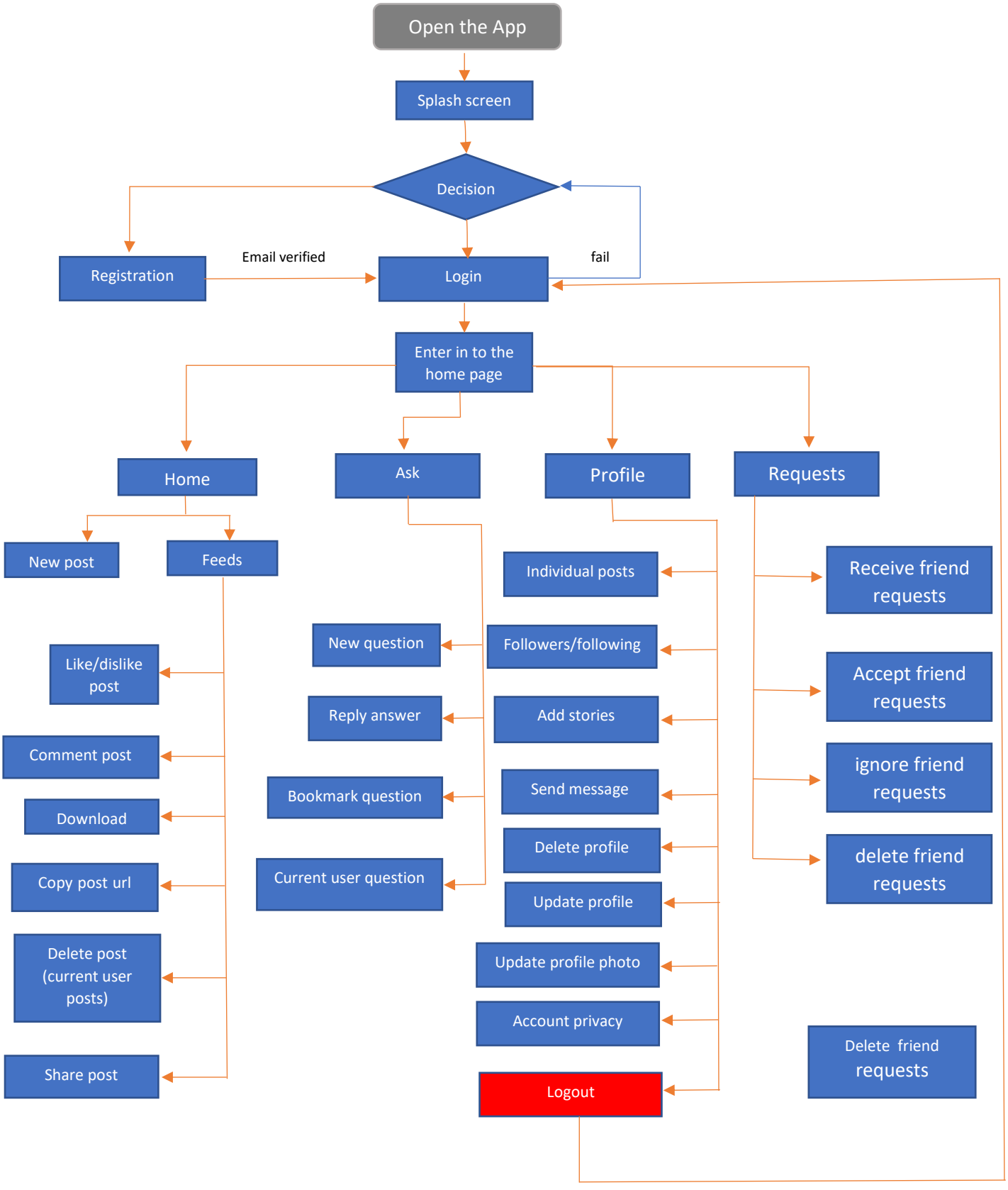
13.Block user

14.Report user

15.Chatting functionalities

16.Real world features etc.

• E-R Diagram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Splash screen
Decision
Registration
Email verified
Login
fail
Enter in to the home page
Home
Ask
Profile
Requests
New post
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Like/dislike post
Comment post
Download
Copy post url
Delete post (current user posts)
Share post
New question
Reply answer
Bookmark question
Current user question
Individual posts
Followers/following
Add stories
Send message
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Account privacy
Logout
Receive friend requests
Accept friend requests
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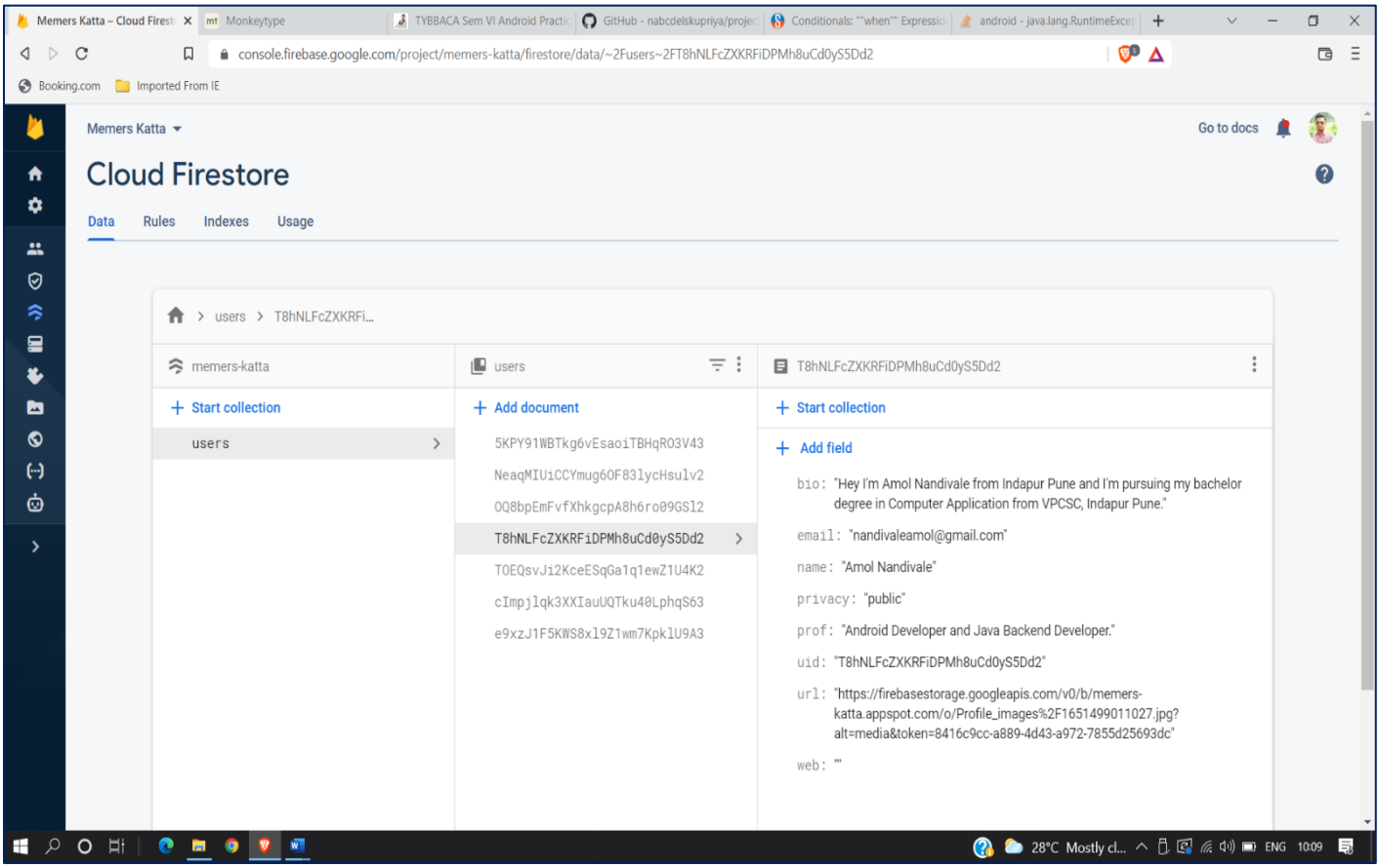
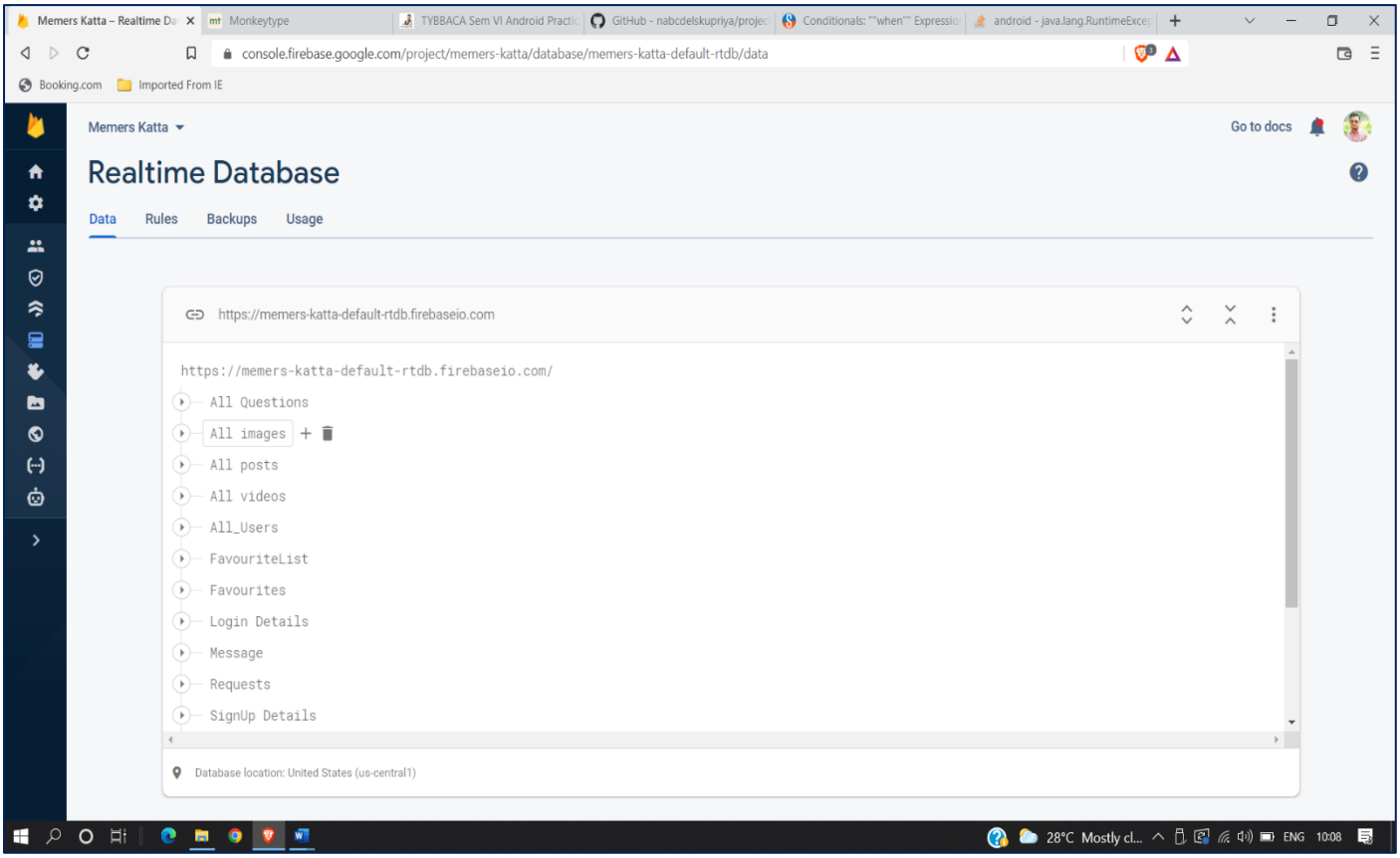
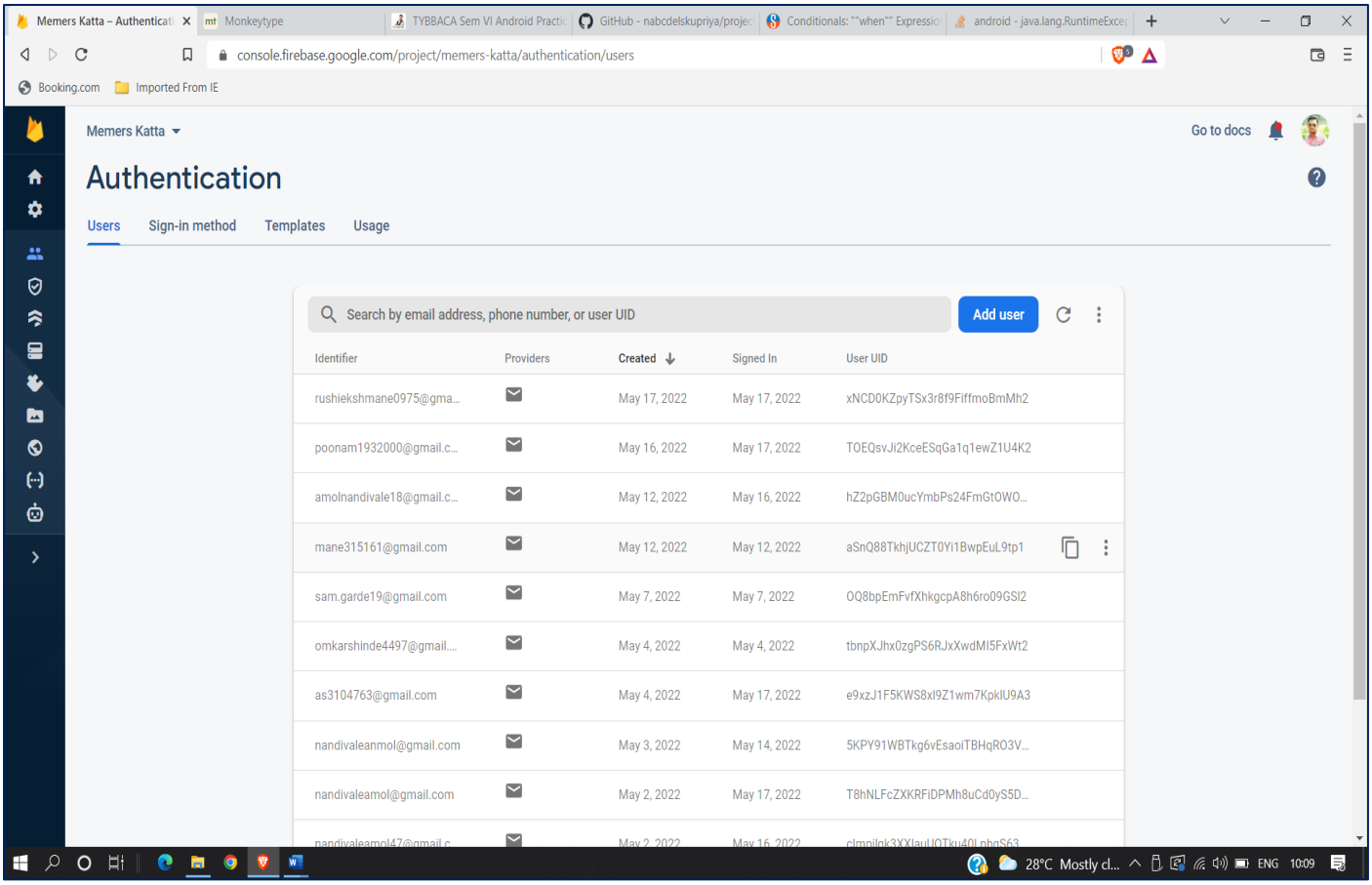
Delete friend requests

• Database Architecture Screenshots



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Sign-in method
Templates
Usage
Search by email address, phone number, or user UID
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rushiekshmane0975@gma...
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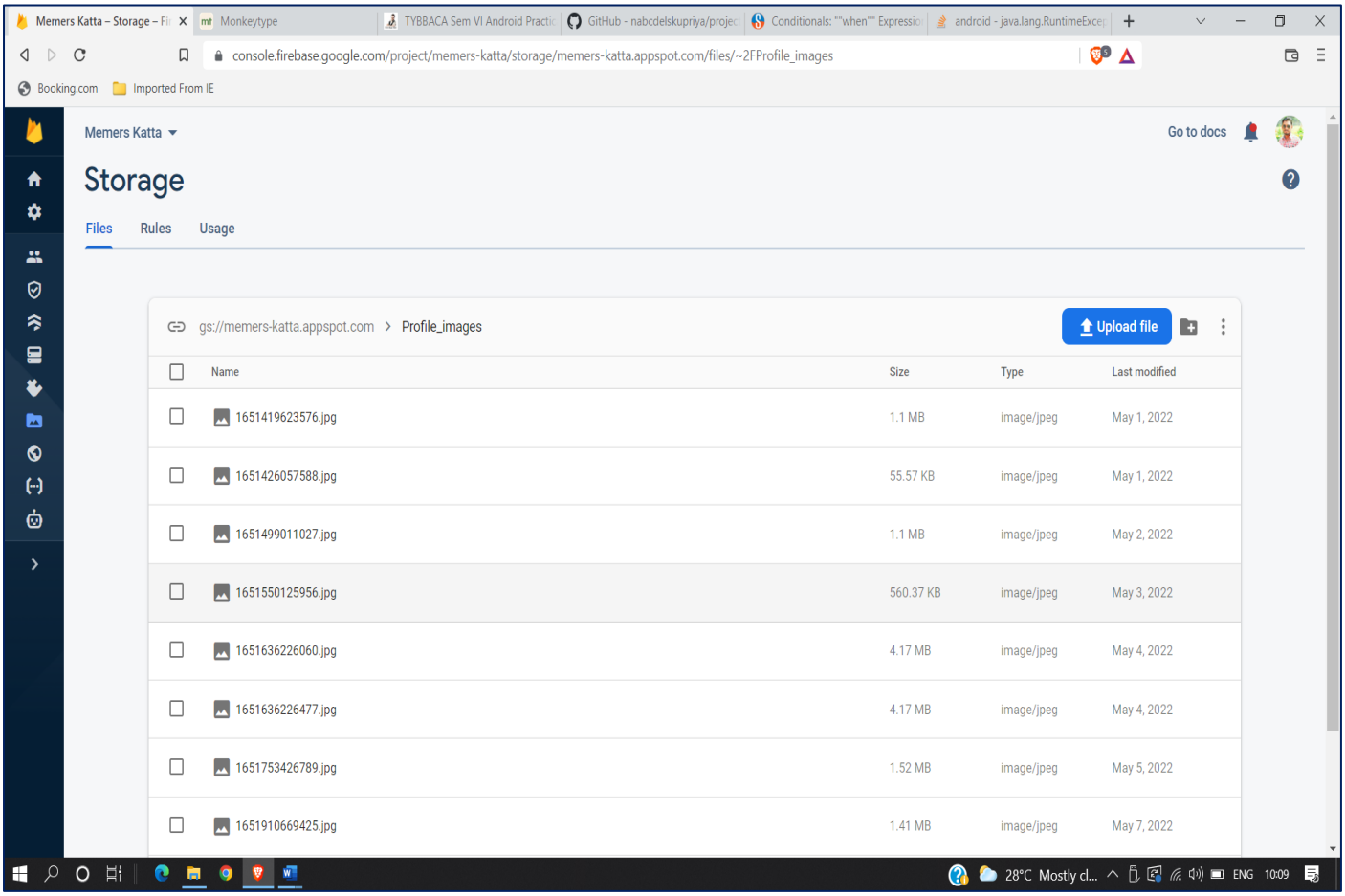
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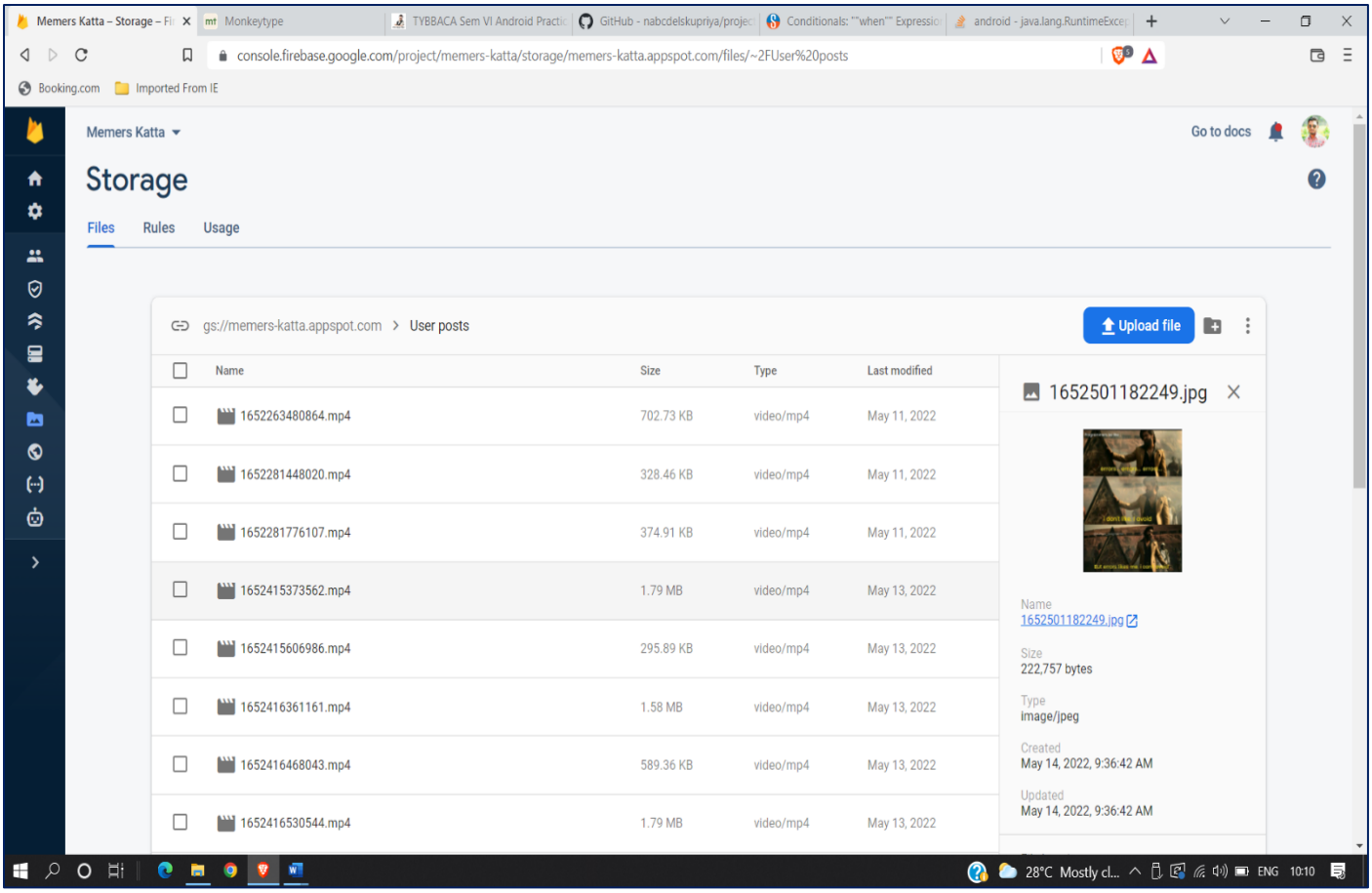
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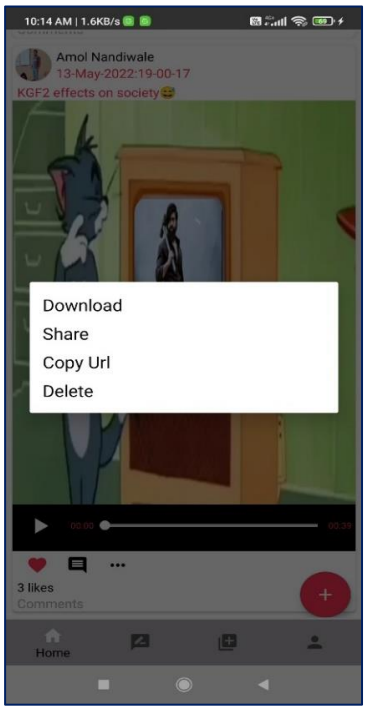
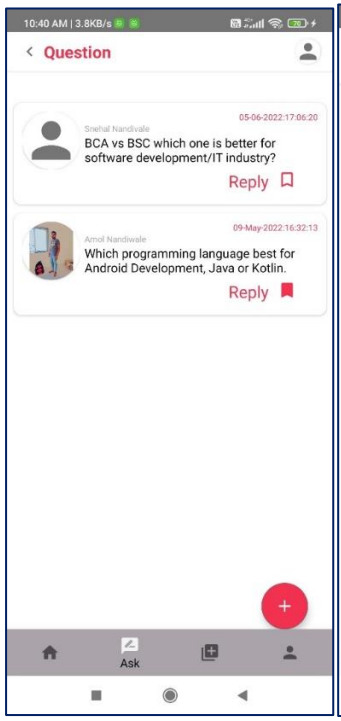
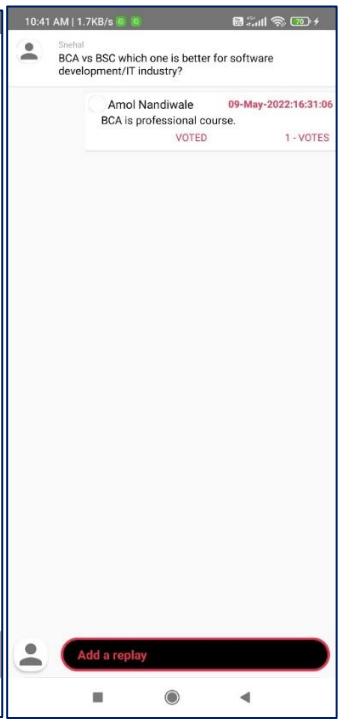
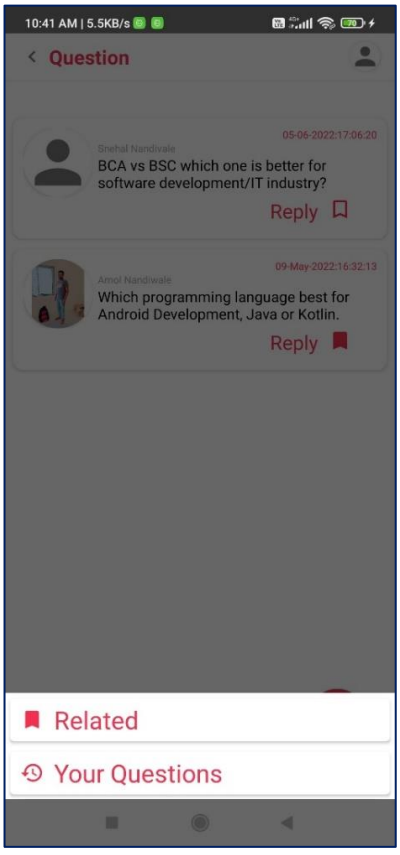
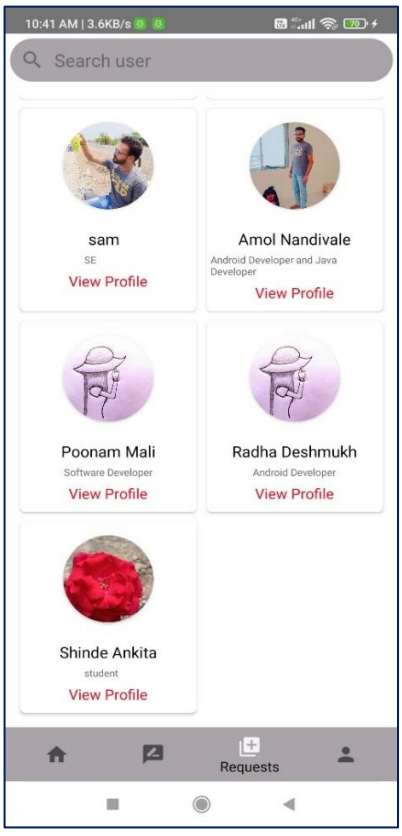
• App Some Screenshots

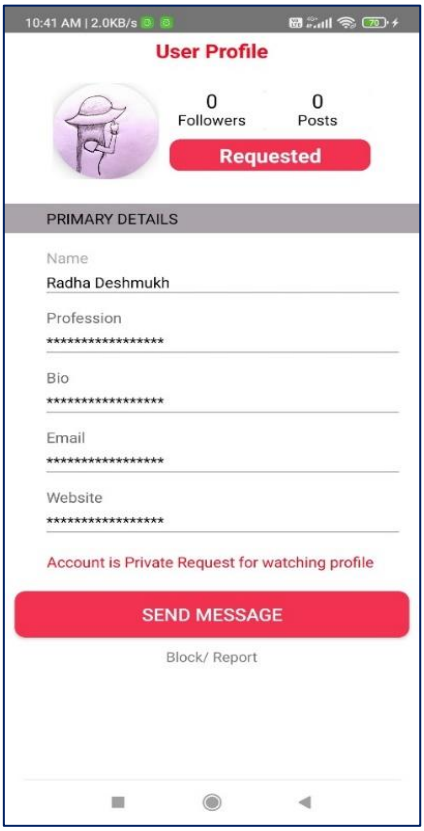


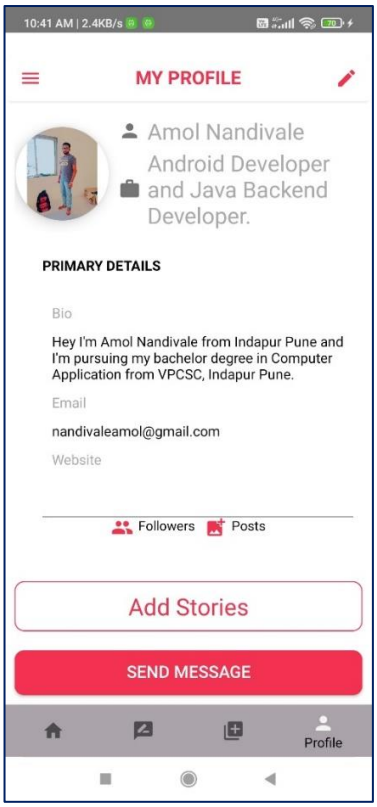








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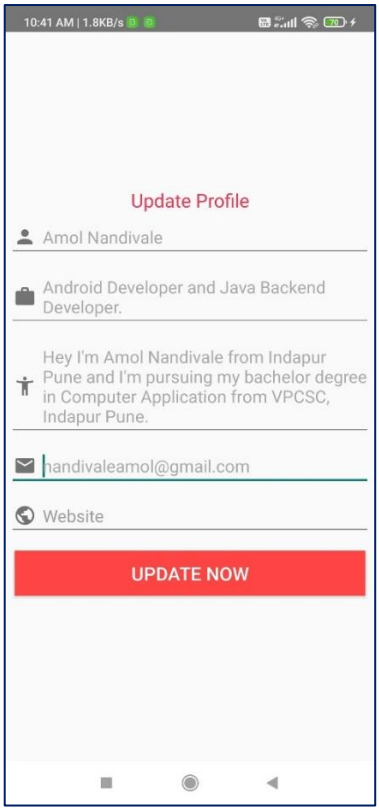
MY PROFILE
Amol Nandivale
Android Developer and Java Backend Developer.
PRIMARY DETAILS
Bio
Hey I'm Amol Nandivale from Indapur Pune and I'm pursuing my bachelor degree in Computer Application from VPCSC, Indapur Pune.
Email
nandivaleamol@gmail.com
Website
Followers
Posts
Add Stories
SEND MESSAGE
Profile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Amol Nandivale
Android Developer and Java Backend Developer.
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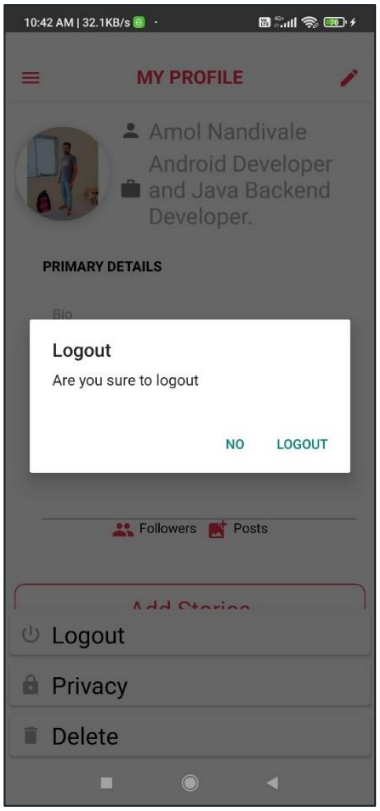
nandivaleamol@gmail.com
Website
UPDATE NOW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MY PROFILE
Amol Nandivale
Android Developer and Java Backend Developer.
PRIMARY DETAILS
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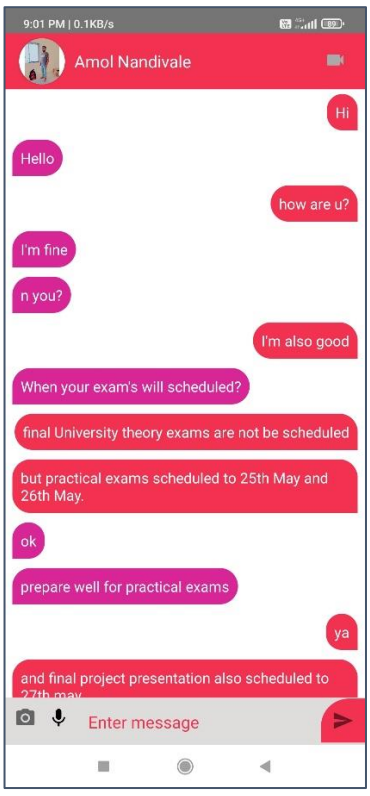
Followers
Posts
Logout
Privacy
Delete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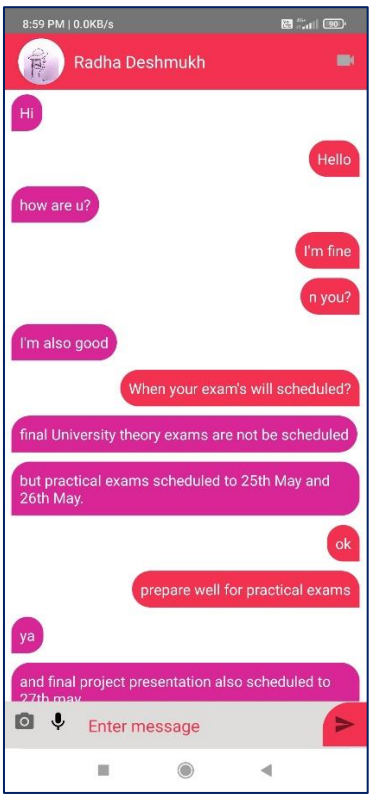
Amol Nandivale
Hi
Hello
how are u?
I'm fine
n you?
I'm also good
When your exam's will scheduled?
final University theory exams are not be scheduled
but practical exams scheduled to 25th May and 26th May.
ok
prepare well for practical exams
ya
and final project presentation also scheduled to
Enter message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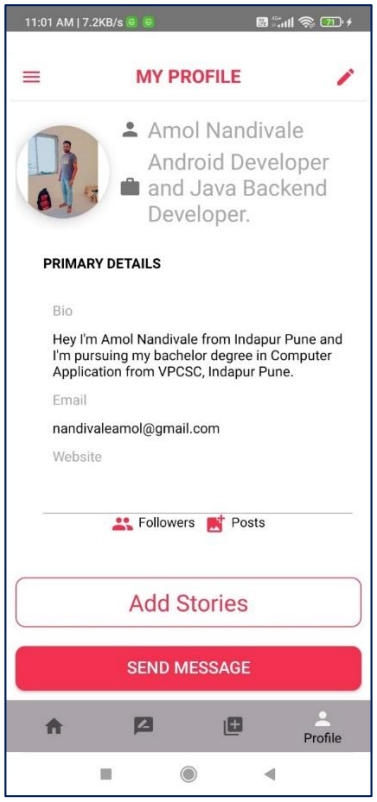
Radha Deshmukh
Hi
Hello
how are u?
I'm fine
n you?
I'm also good
When your exam's will scheduled?
final University theory exams are not be scheduled
but practical exams scheduled to 25th May and 26th May.
ok
prepare well for practical exams
ya
and final project presentation also scheduled to
Enter message


11:01 AM | 7.2KB/s
MY PROFILE
Amol Nandivale
Android Developer and Java Backend Developer.
PRIMARY DETAILS
Bio
Hey I'm Amol Nandivale from Indapur Pune and I'm pursuing my bachelor degree in Computer Application from VPCSC, Indapur Pune.
Email
nandivaleamol@gmail.com
Website
Followers
Posts
Add Stories
SEND MESSAGE
Profile

• Future Enhancement

- The separate Admin Control Panel
- Send Video recording (During Chatting)
- Mic Recording (During Chatting)
- Add Stories
- Pick image from device (During Chatting)
- And more functionalities

• Bibliography

❖ References

- www.google.com
- www.youtube.com
- www.stackoverflow.com
- www.oracle.com
- www.developer.android.com
- Etc.

• Conclusion

In conclusion, the research conducted shows that there are several social media Apps and websites that peoples use and enjoy.

From watching adorable pandas on You Tube to bring entertainment into a hectic day, to using Skypes for a live video chat with a friend on the other side or the world, students have found several unique uses for social media.

It is essential for any individual venturing into the social media world to keep in mind what niche the particular website they are using is targeting, the interests and concerns of its users, and that the site is secure-erring on the side of caution when it comes to privacy issues, and even companies can harness the power of social media for their unique needs. In this age of technology and information sharing, the application of social media can be as creative and unique as the user.

Thank You

Mr.Amol Nandivale