

Funbook

CSE-250 Project

Group: 52

Samia Preity

2018331008

Fatima Nuzhat

2018331106

Motivation for doing this project

We started this project because we wanted to learn android development and also create something fun.

Usually children feel bored while studying textbooks, so we thought if they had a platform where they could visualize different scenarios from their textbooks and use characters of their own choice to make the stories, it would help them gain more interest and engage with their study materials. This is the reason why we made this android app.

Frontend XML

Reasons for using:

Both of us were already familiar with HTML, and used XML because its similar. We can also create a nicely stylized UI using XML.

Backend

Java

Version 17.0.1

Reasons for using:

We used this because we were comfortable with using this after our OOP course in the previous semester, and also because of its powerful development tools and resources.

Framework

Android Studio

Version Arctic Fox

2020.3.1 patch 4

Reasons for using:

We used this because its similar to IntelliJ Idea, which we had used previously. We could easily apply our previous knowledge to this working. Also because Firebase is integrated with Android Studio.

Database

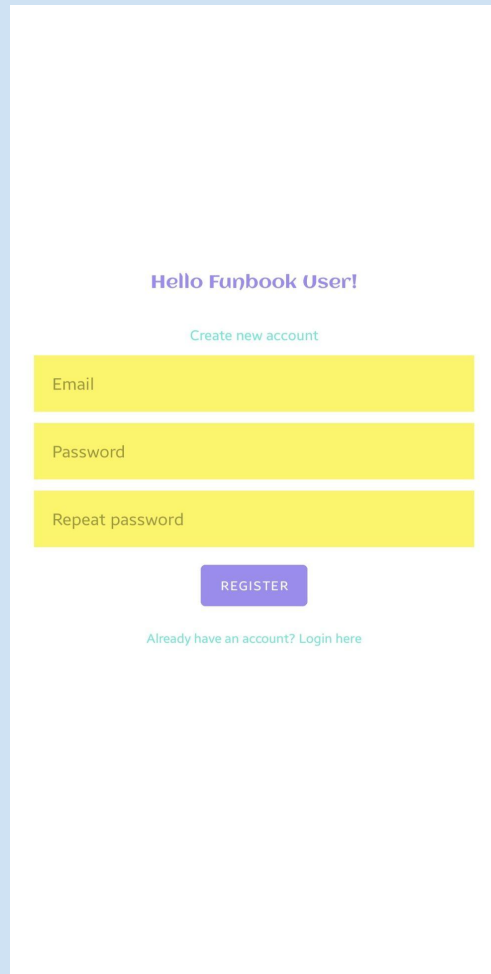
Firebase

Reasons for using:

Because of its reliable and extensive database, cloud Firestore, and because it provides a free start.

The app and its features:

When we first open the app, we have the option to register to start using the app. We can create an account with our email address and password.



A registration form for the Funbook app. The form is centered on a white background. At the top, it says "Hello Funbook User!" in purple. Below that is a link "Create new account" in teal. The form consists of three yellow input fields: "Email", "Password", and "Repeat password". Below these fields is a purple "REGISTER" button. At the bottom, there is a link "Already have an account? Login here" in teal.

Hello Funbook User!

[Create new account](#)

Email

Password

Repeat password

REGISTER

[Already have an account? Login here](#)

Hello Funbook User!

Create new account

Email

EMAIL CAN'T BE EMPTY

REGISTER

Already have an account? Login here

Hello Funbook User!

Create new account

Email

PASSWORD CAN'T BE LESS THAN 6

REGISTER

Already have an account? Login here

Hello Funbook User!

Create new account

nuzhatf901@gmail.com

PASSWORD DID'T MATCH

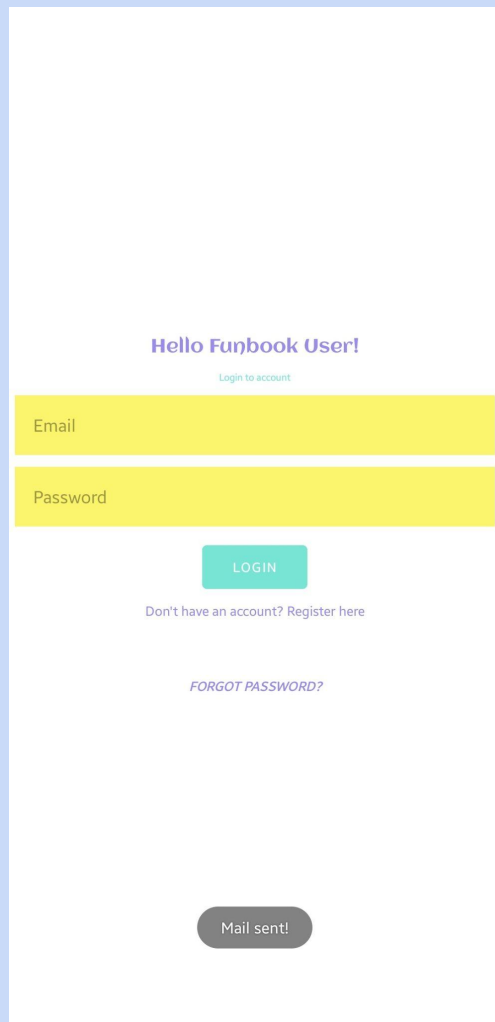
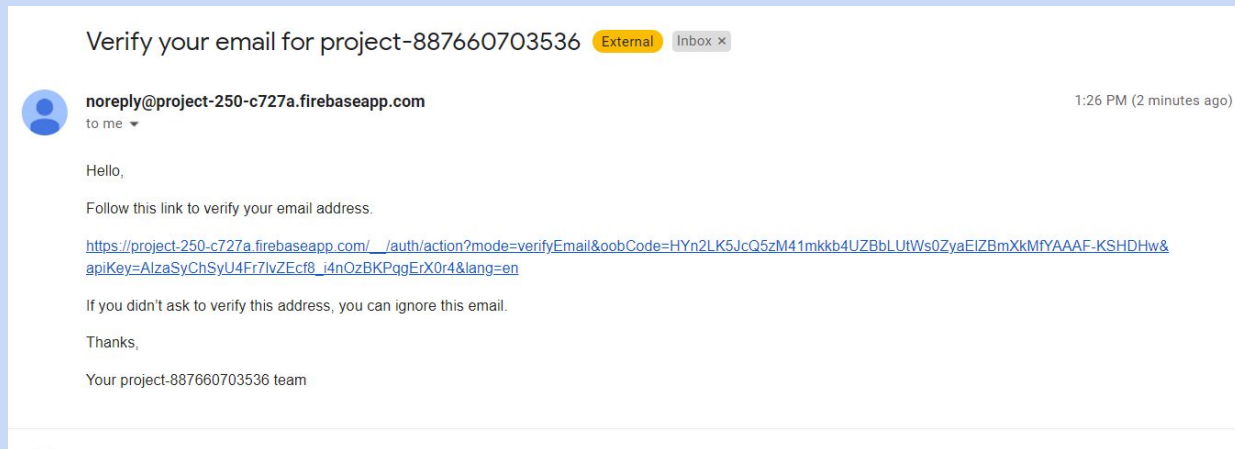
REGISTER

Already have an account? Login here

In case of incorrectly inserting the registration information, error messages will be shown.

Once we correctly insert all relevant information, a verification email will be sent to the given email address.

The verification email will look like this:



Hello Funbook User!

[Login to account](#)

fatima06@student.sust.edu

.....|

LOGIN

[Don't have an account? Register here](#)



[FORGOT PASSWORD?](#)

First verify your mail!

Hello Funbook User!

[Login to account](#)

fatima06@student.sust.edu

.....

LOGIN

[Don't have an account? Register here](#)

[FORGOT PASSWORD?](#)

There is no user record corresponding to this identifier. The user may have been deleted.

Failure in verifying the email address correctly can result in such error messages being shown.

If we forgot our password, we can easily retrieve it by using the “forgot password?” feature. We will be asked to change it using we email account.

Hello Funbook User!

[Login to account](#)

fatima06@student.sust.edu

Password

LOGIN

[Don't have an account? Register here](#)

[FORGOT PASSWORD?](#)

SENT RESET LINK TO MAIL

Hello Funbook User!

[Login to account](#)

Reset Password

Enter mail to recover password:

[NO](#) [YES](#)

[FORGOT PASSWORD?](#)

Reset your password for project-887660703536

External

Inbox x

noreply@project-250-c727a.firebaseio.com

to me ▾

1:53 PM (0 minutes ago)

Hello,

Follow this link to reset your project-887660703536 password for your fatima06@student.sust.edu account.

https://project-250-c727a.firebaseio.com/_/auth/action?mode=resetPassword&oobCode=XDvoEMbwnpOubUocT0bz-0vn8tSsrDD63DAp-gCwWUkAAAF-KTowEg&apiKey=AlzaSyChSyU4Fr7lvZEct8_idnOzBKPggErX0r4&lang=en

If you didn't ask to reset your password, you can ignore this email.

Thanks,

Your project-887660703536 team

Reset your password

for **fatima06@student.sust.edu**

New password

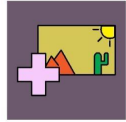


SAVE

By clicking the link in your inbox, you can easily set a new password and successfully log into your account using it.

Password changed

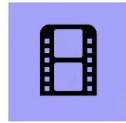
You can now sign in with your new password



ADD BACKGROUND



UPLOAD MOVIE

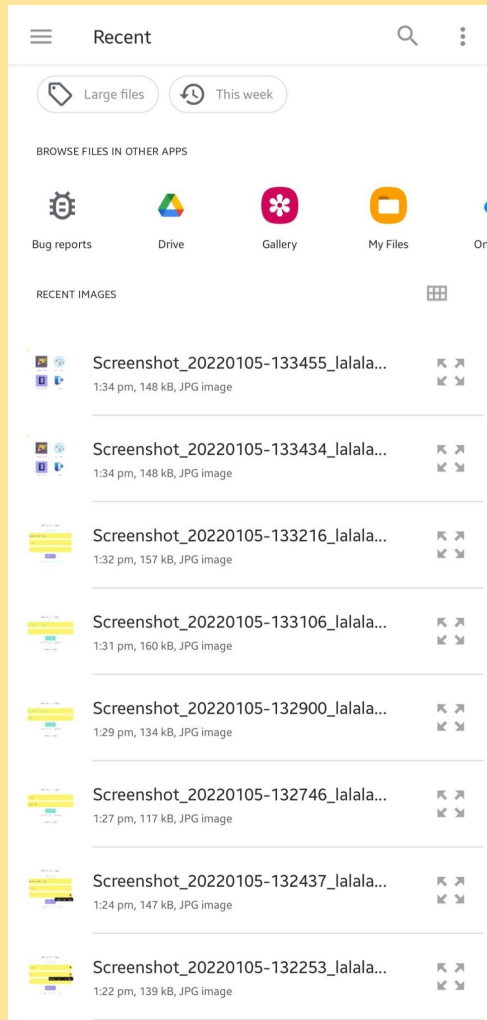


MOVIE LIBRARY!!

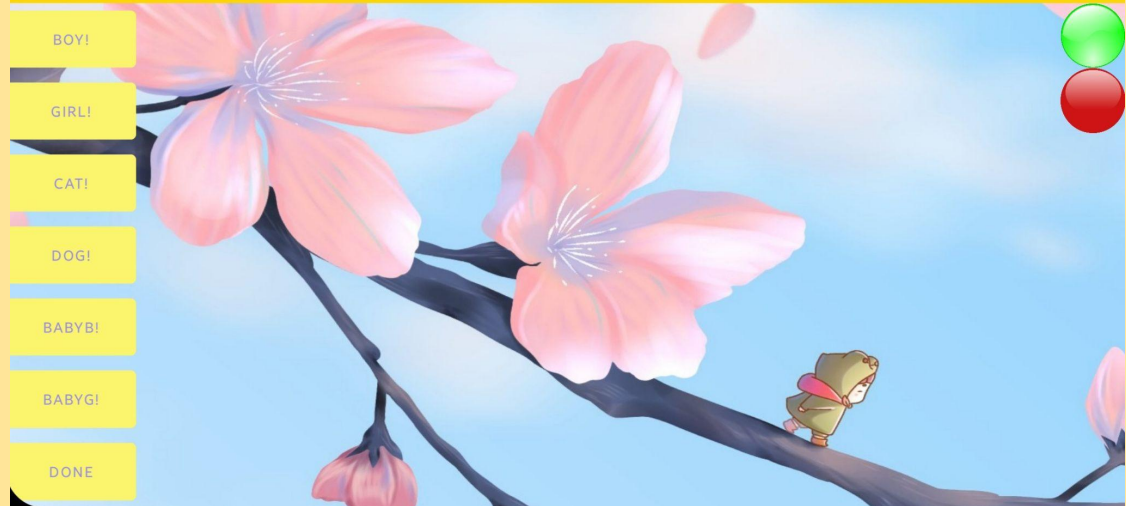


LOGOUT?

Now we move onto the homepage, from which we can use the various features of this app.



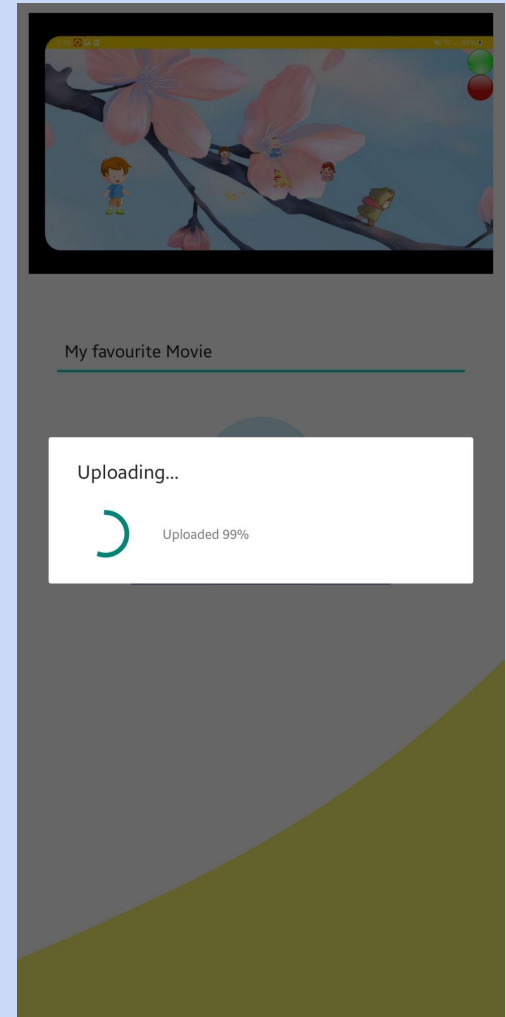
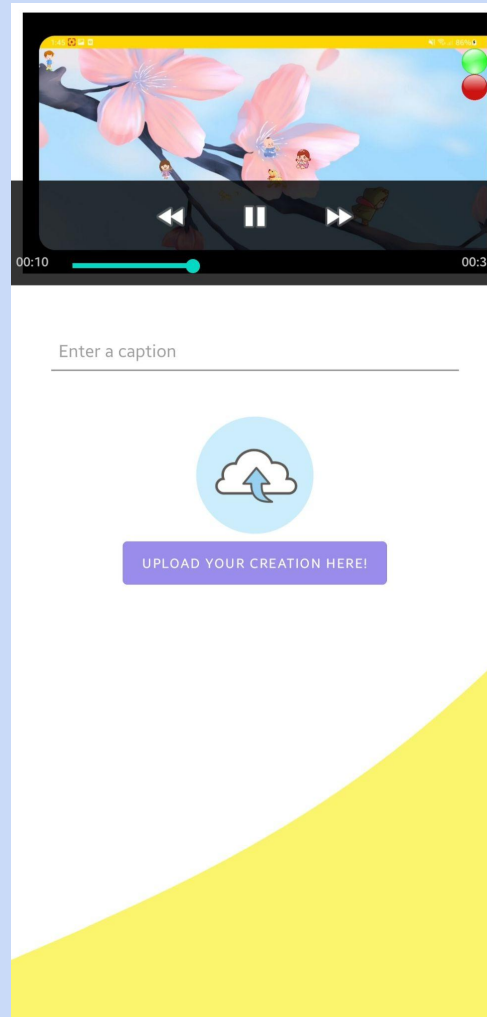
By clicking the “add background” option, we can browse and choose an image to be the background in the story that we will make.





Once we've chosen a background, we can choose various different characters from the menu on the left. These characters can be manipulated and moved as the user wishes. We can start recording our story by pressing the green button.

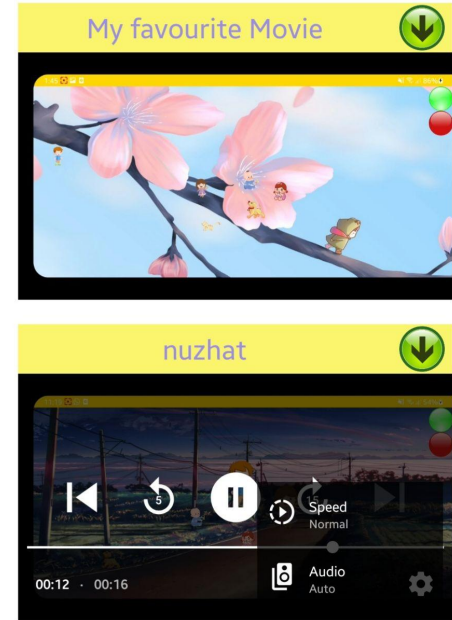
Once the recording starts, it will record both the screen and the surrounding audio. This way, we can narrate the story as we make it. The red button will finish the recording and then we can give it a suitable name and upload it to Firebase.



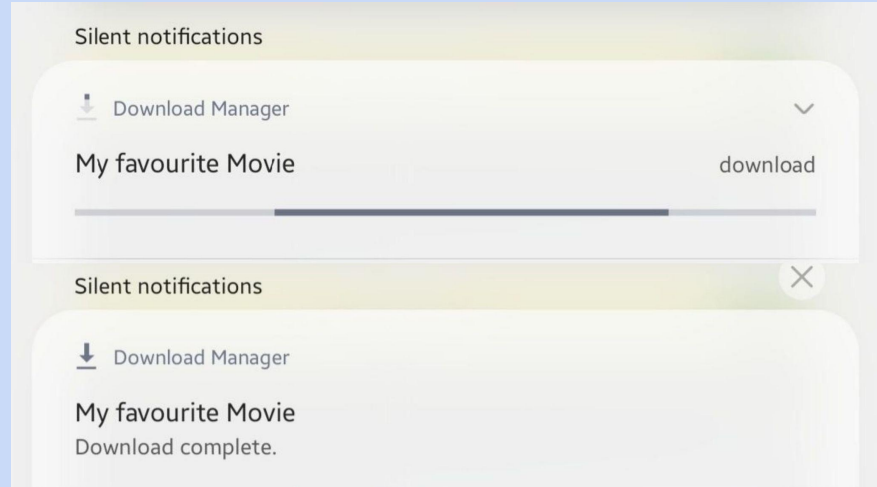
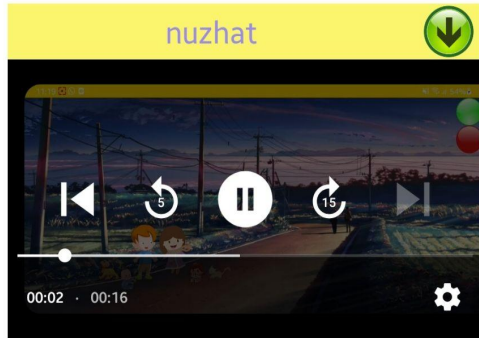
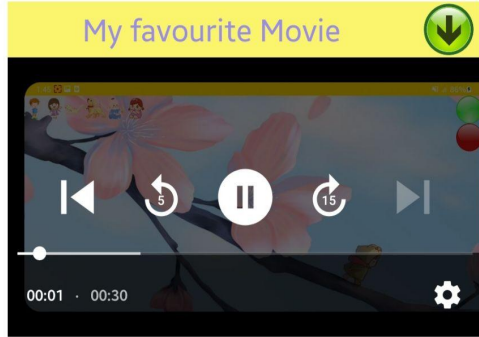


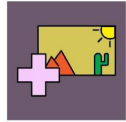
Back in the homepage, we can select “movie library!!” option to explore another feature.

From this page, we can watch all the video recordings previously made using this app.



Also, by clicking on the green arrow beside the video title, we can download the video into our phone's local storage.

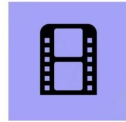




ADD BACKGROUND



UPLOAD MOVIE

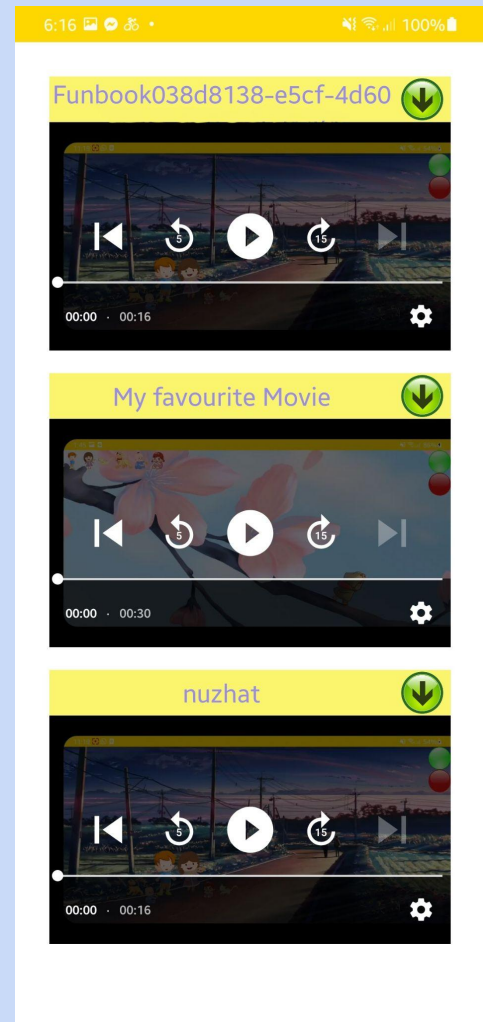
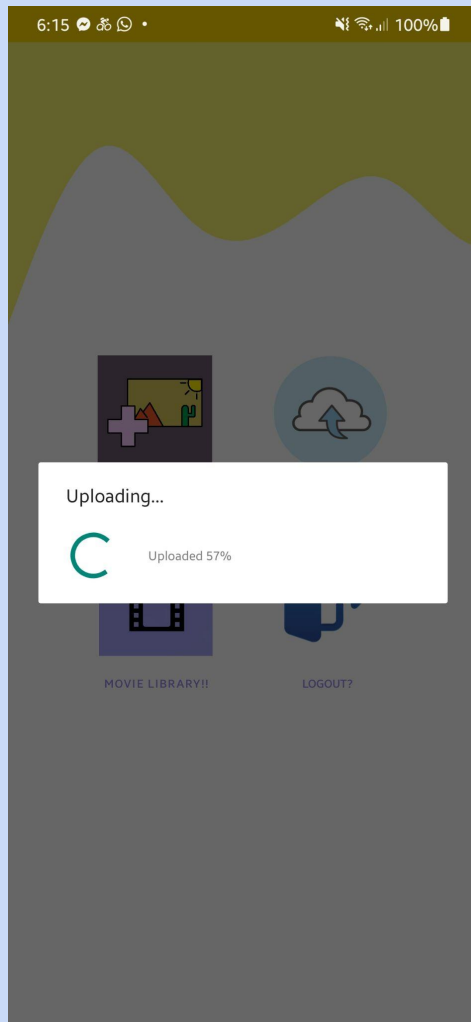
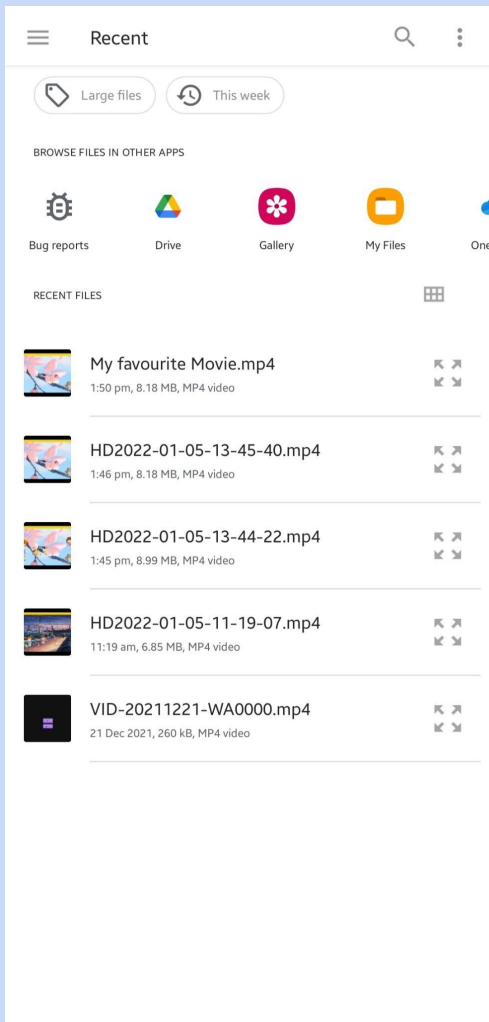


MOVIE LIBRARY!!



LOGOUT?

The “upload movie” feature will allow us to select a video file from our phone’s internal storage and add it to the app’s movie library.



Unimplemented features:

We couldn't add the feature to delete videos from the movie library.

Contributions

Samia Preity

Mostly all the implementations and coding parts

Fatima Nuzhat

The idea, some of the implementations and the presentation.