Csn-254 project

SaS News Application

- Group 6

Team members:

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Problem Description

We are trying build a mobile application for the users who look out for the news every second where they can view past and present news articles and it also allows the users to share news among the users of the application , save their favorite news articles and refer to thenlater through the same platform..

Key Features of Application

- Login/registration of the users

  If the user is registered then they can login with the registered credentials.

  If not they can register an account with application.
- Categorized news

  Users can watch the news of their desired category.
- Favourites

  The articles saved by the users are displayed here.
- Live news updates.
- Share the news article among the users.

Tools and Technology used

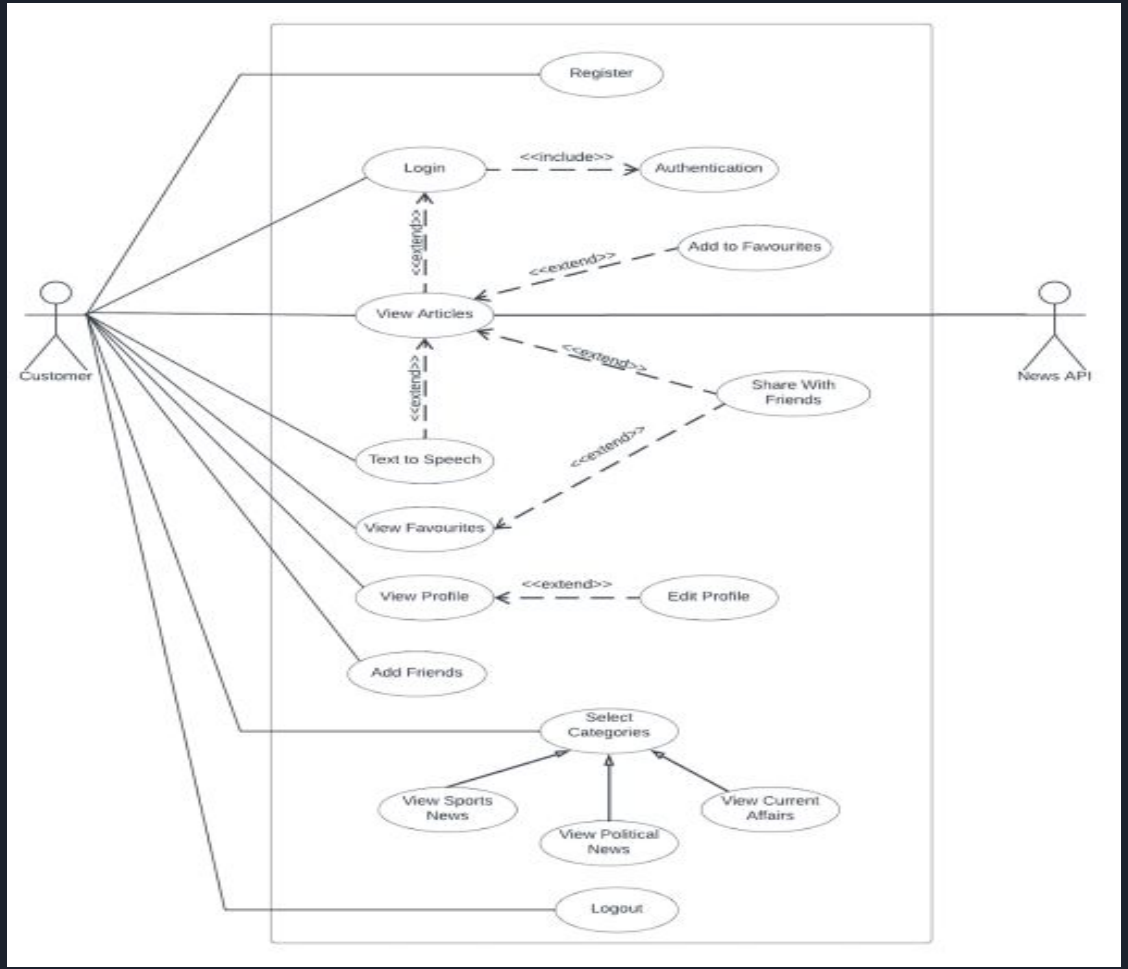
TOOLS USED:

React Native: front end

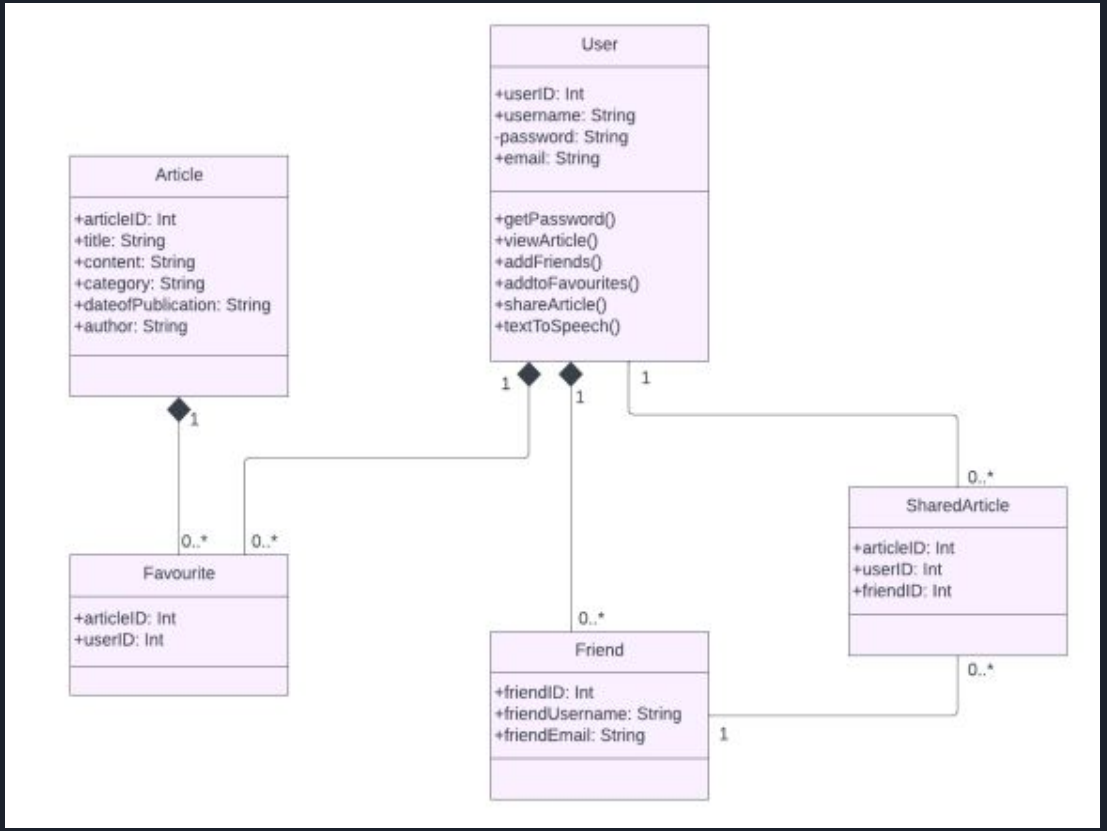
NodeJS : for the backend REST API server

MongoDB: for data management, and Mongoose as an ODM

Use case Diagram

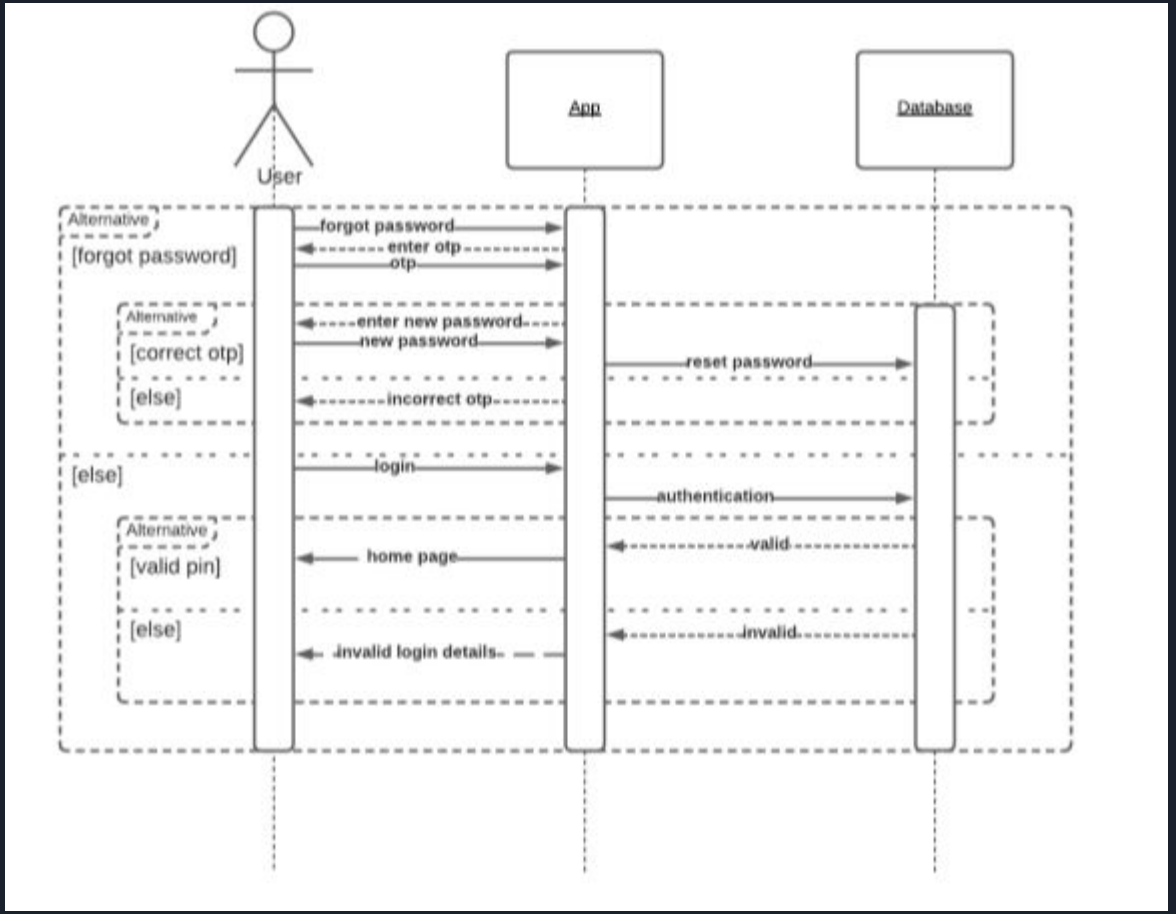


Class diagram



Sequential Diagram

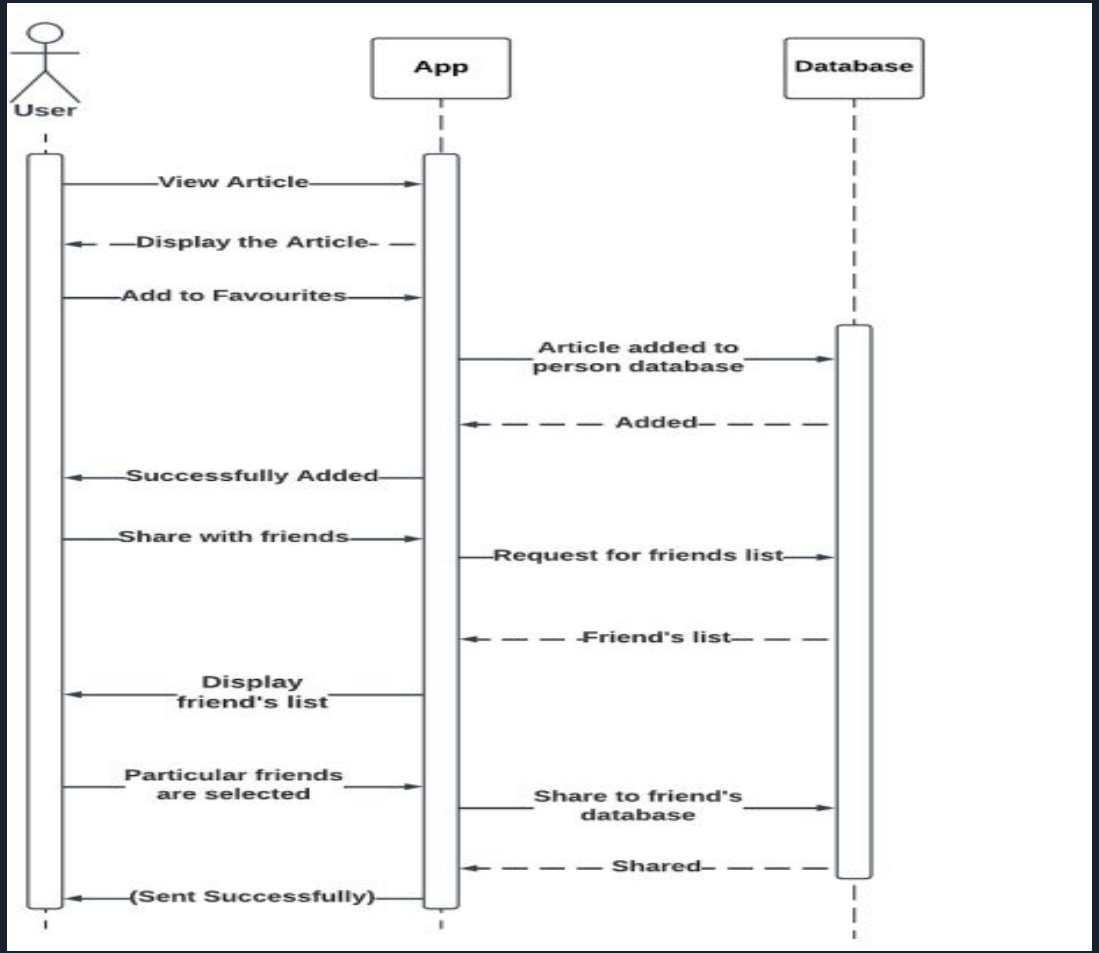
Login and Registration



View Articles

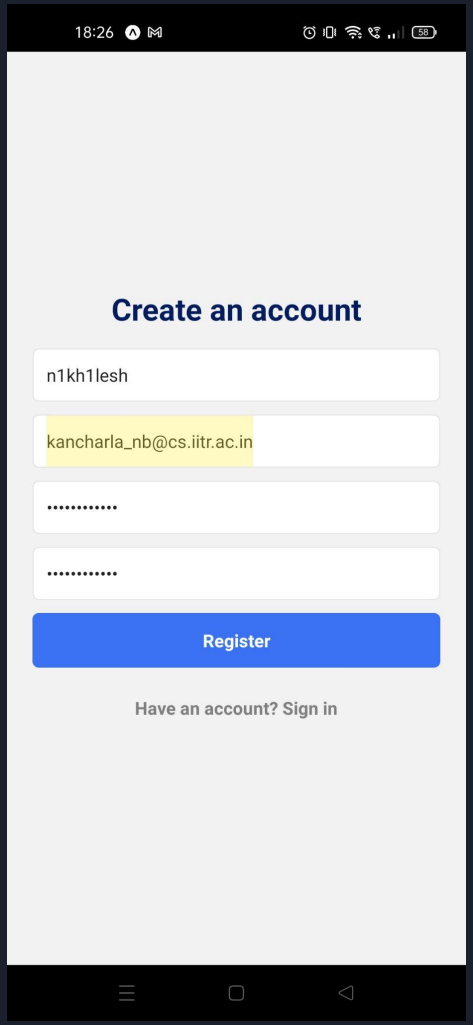
Save Articles

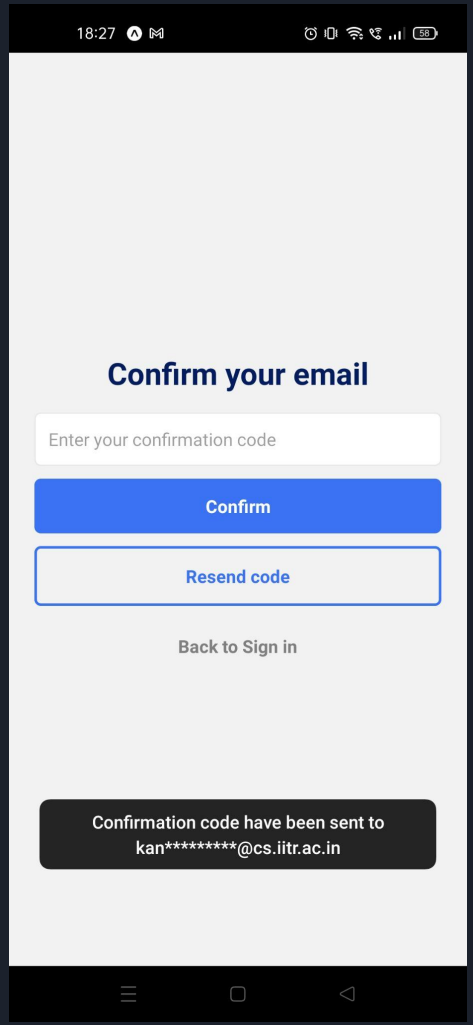
Share Articles with users.

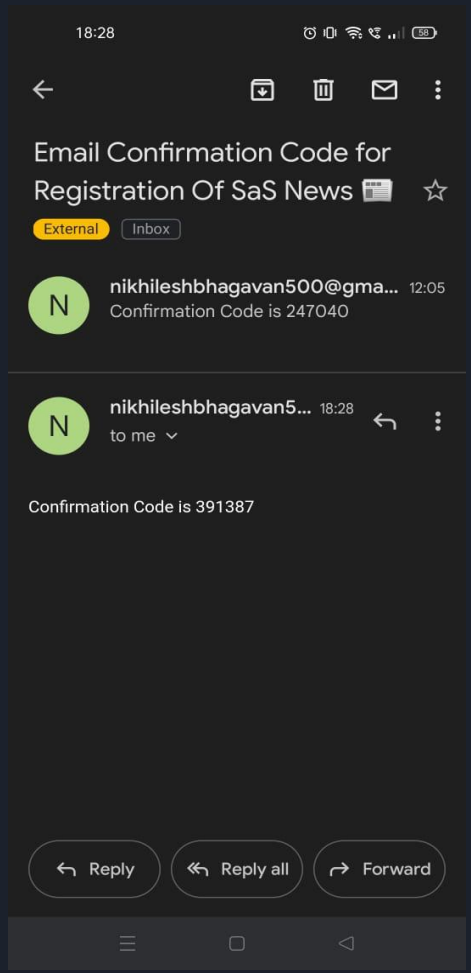


SaS news Application Demo

Register an account

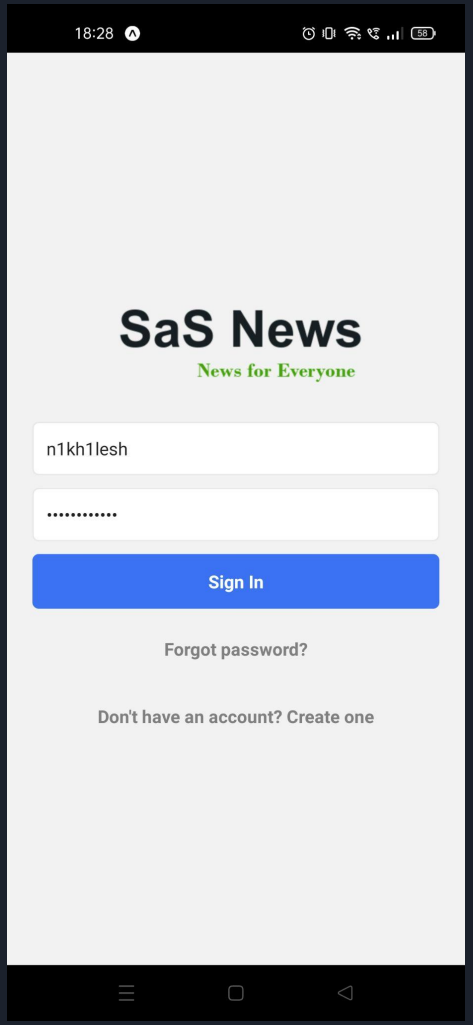



18:27
Confirm your email
Enter your confirmation code
Confirm
Resend code
Back to Sign in
Confirmation code have been sent to
kan*********@cs.iitr.ac.in


18:28
Email Confirmation Code for
Registration Of SaS News
External
Inbox
nikhileshbhagavan500@gma... 12:05
Confirmation Code is 247040
nikhileshbhagavan5... 18:28
to me
Confirmation Code is 391387
Reply
Reply all
Forward

Login page

You can also reset your password using forgot password option.

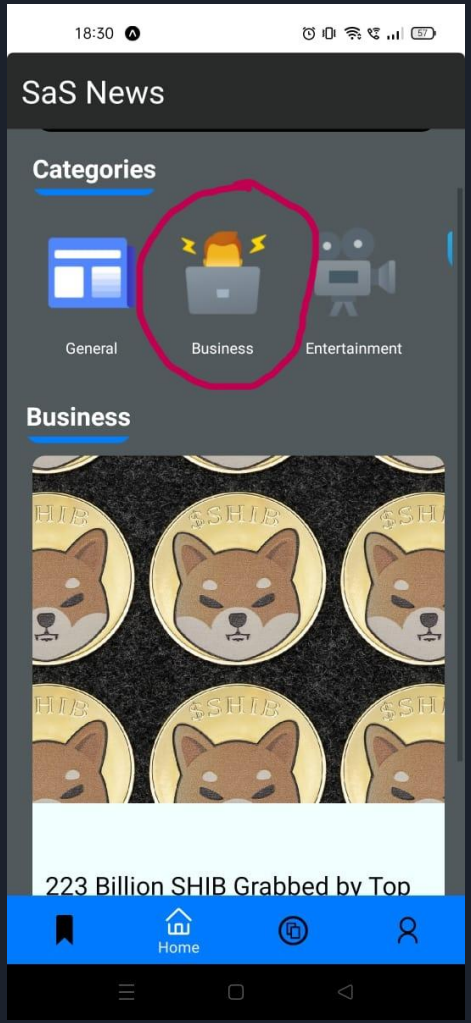


Home page :

After the user logs into the app, home page is displayed and at the bottom of the page various other options like profile page , favourites and public are also displayed for easy navigation to the given pages.

Categorized news

There are different categories of news available and user can view the news of the particular category they are interested in.

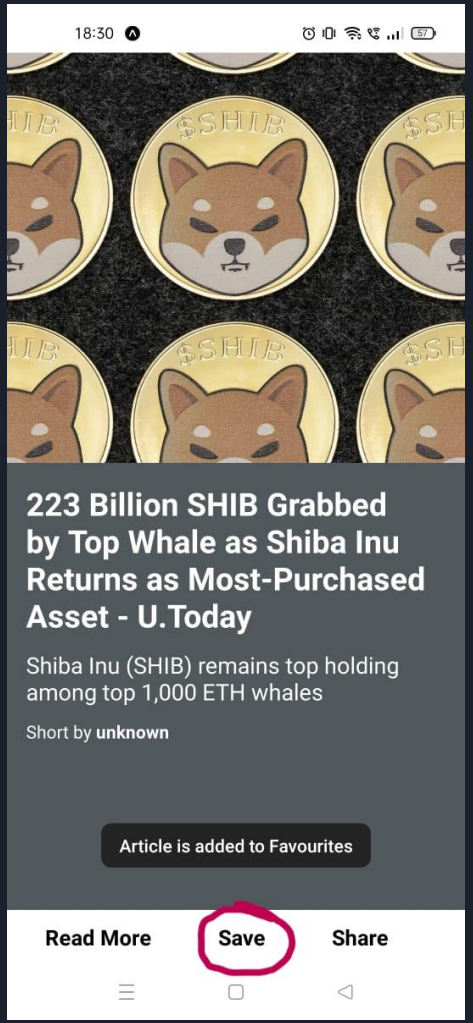


View the article

Pressing the articles, directs you to a page where you can view the article with Read More, save, share options.

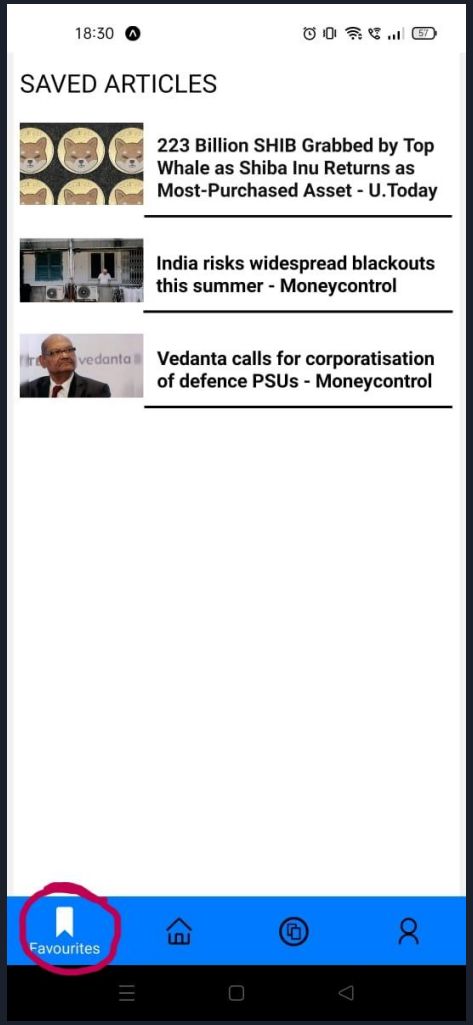
Save an article

Using the Save option.

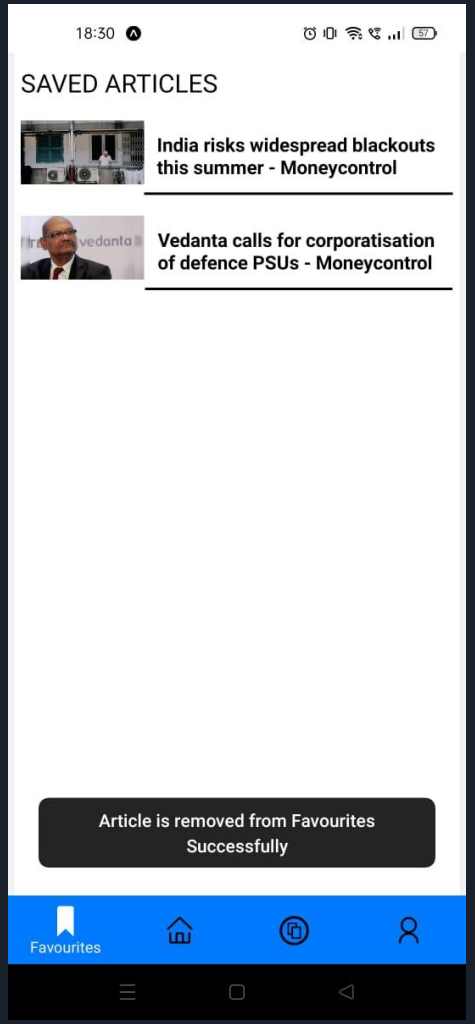


Favourites

Saved articles are separately visible in the favourites column.



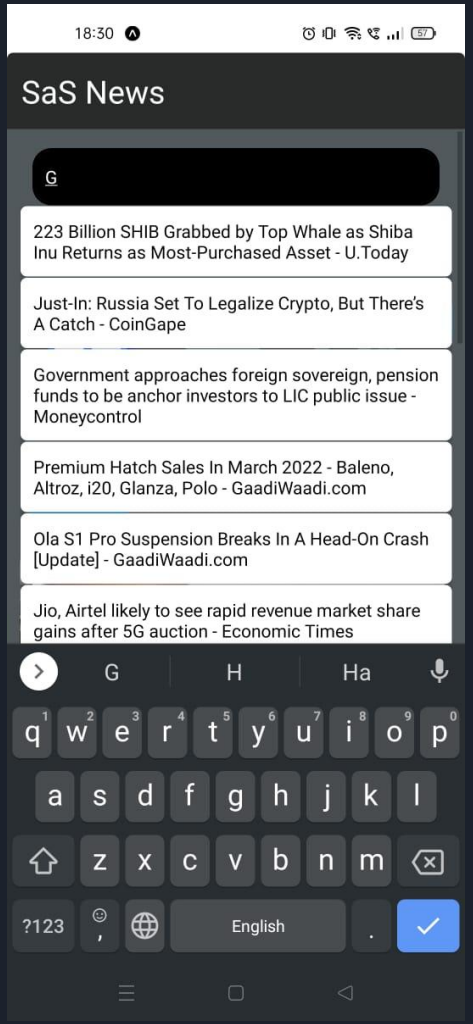
We can unsave the article once the purpose is served.



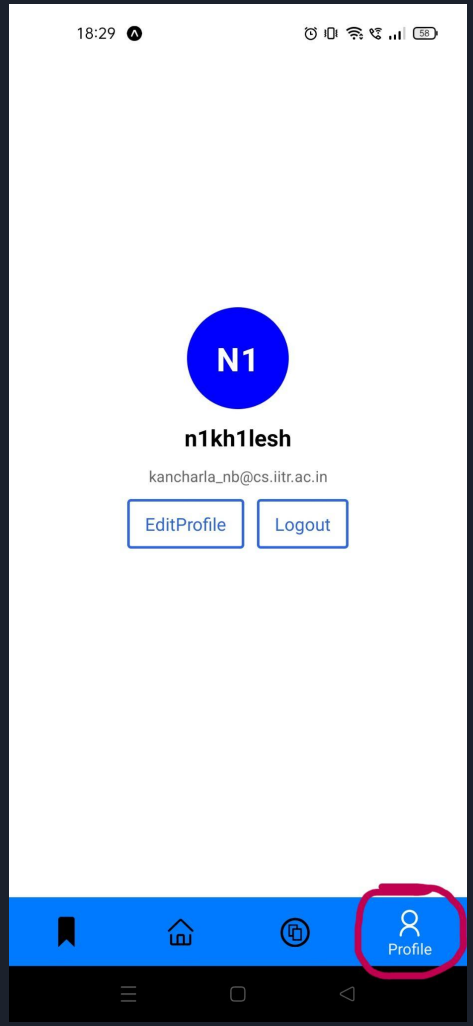
Breaking news

Current hot news provided by the API is visible here.

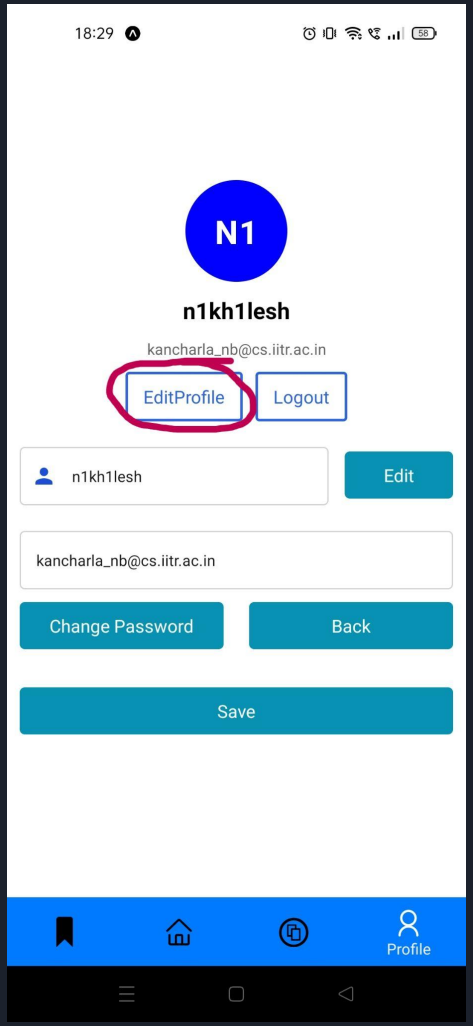
Search for the required news articles using the search bar.



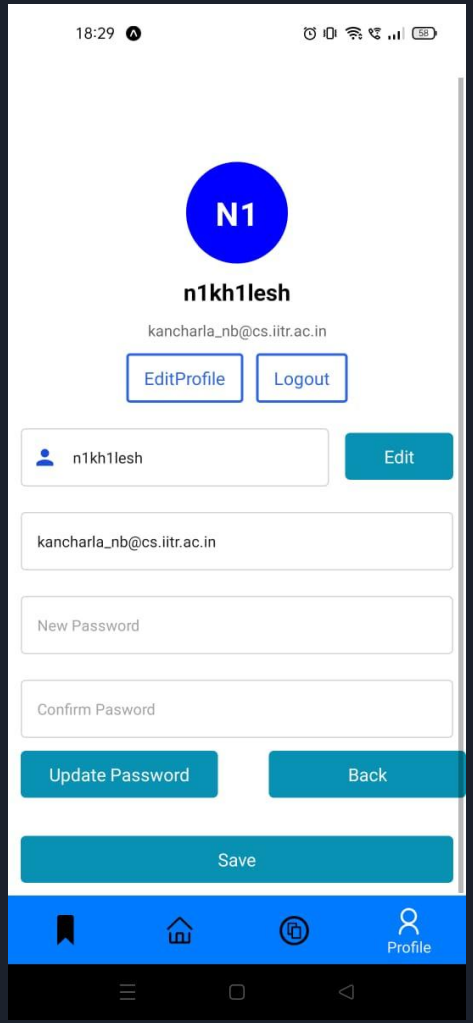
Profile page



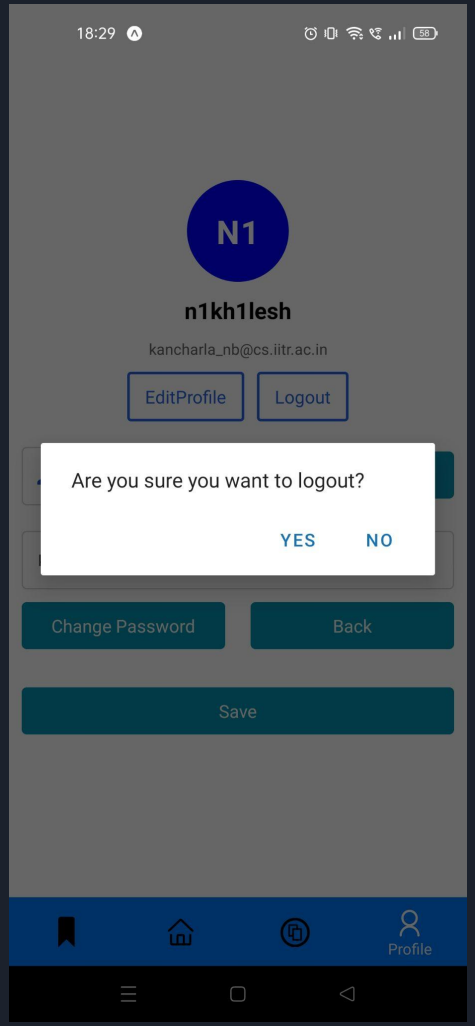
Edit profile



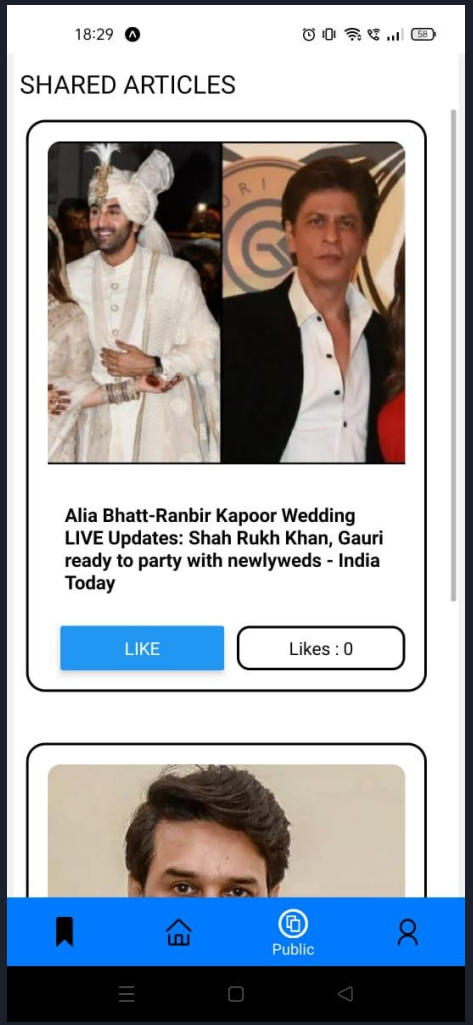
Change password



Logout


18:29
N1
n1kh1lesh
kancharla_nb@cs.iitr.ac.in
EditProfile
Logout
Are you sure you want to logout?
YES
NO
Change Password
Back
Save
Profile

Here we can share the news articles to the public and we can also view the articles shared by them and like those articles.



18:29

SHARED ARTICLES

Alia Bhatt-Ranbir Kapoor Wedding LIVE Updates: Shah Rukh Khan, Gauri ready to party with newlyweds - India Today

LIKED | Likes : 1

Public

Applications of project

- This mobile application is very helpful for the users who look out for the news every second where they can view past and present news articles.
- This application allows users to select and read the news according to the their interest by categorising the news into different categories.
- This application also allows the users to share the news articles with other users of the application through the same platform.
- Along with viewing the news, users can save the news and refer to them at times when it is required

Innovations of the project

- ➔ Users can also save the news articles which are visible to them through a separate column.
- ➔ Users can share the news among the other users of the application through the same platform.
- ➔ The different news categories are available to users in the home page of the application so that they only watch the news of the desired category.
- ➔ Application also provides text to speech features where the news article can be turned into audible form when desired by users.

References

For reactNative: https://youtube.com/playlist?list=PL8kfZyp--gEXs4YsSLtB3KqDtdOFHMjWZ

UI Kitten: https://akveo.github.io/react-native-ui-kitten/

Native base: https://nativebase.io/

News API: `https://saurav.tech/NewsAPI`

thank
you