

COSC2657 Android Development

Assignment 3 - Presentation

PICSTER

ICE_CREAM SANDWICH_MR1



CONTENT

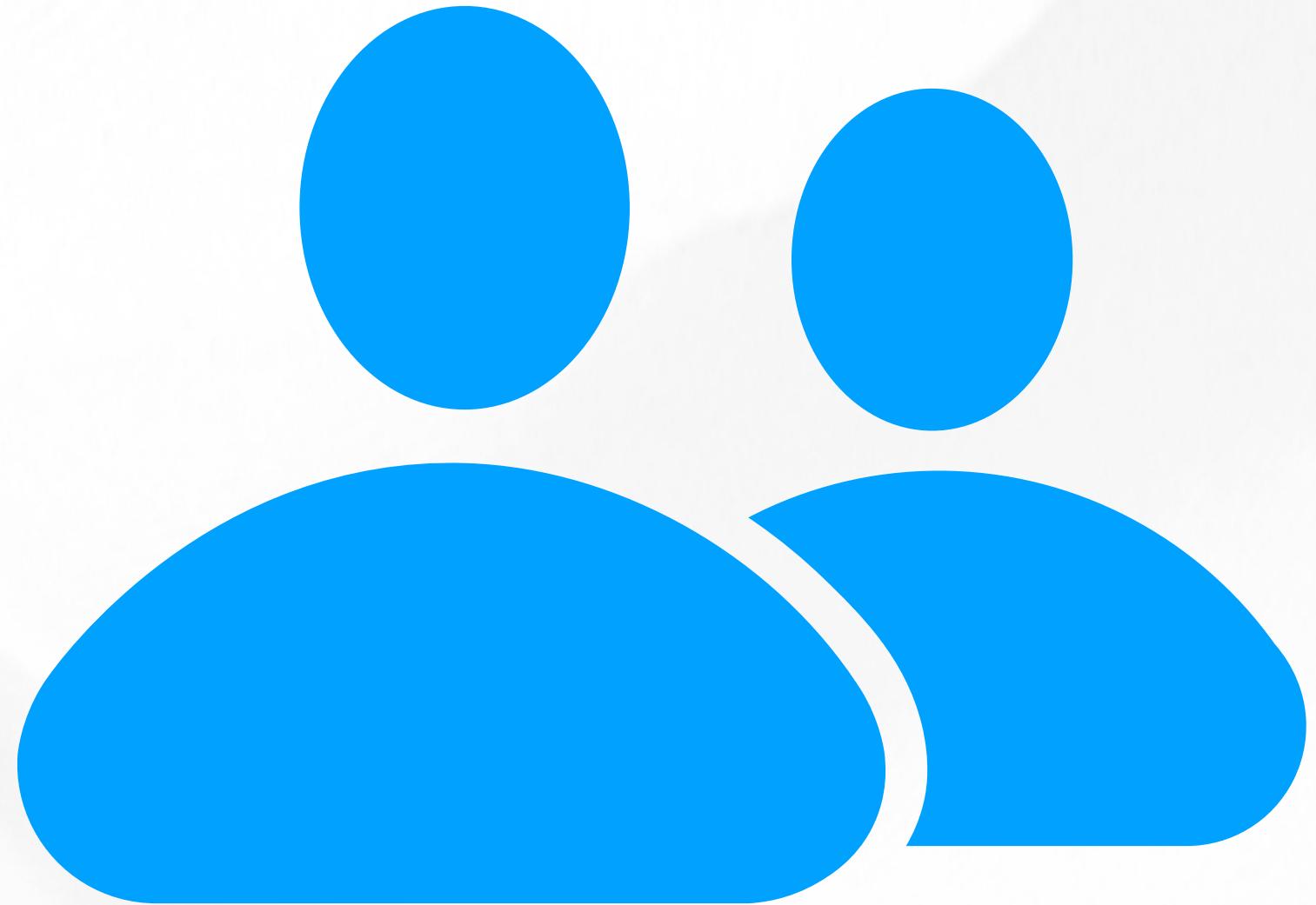
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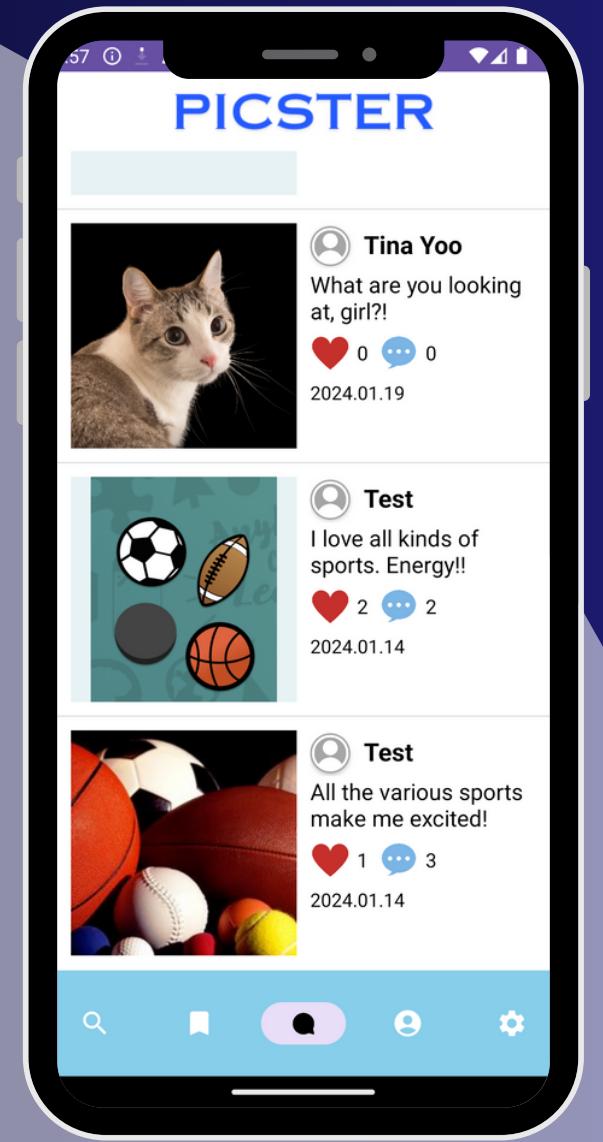
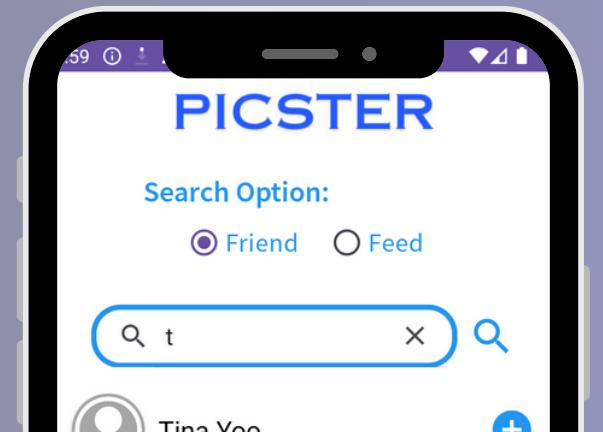
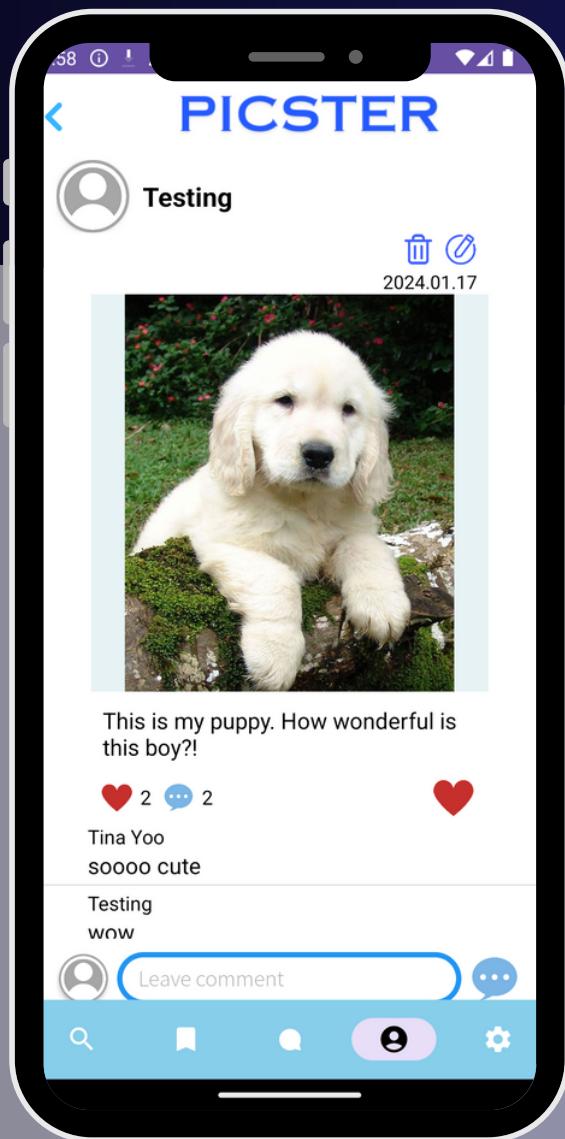
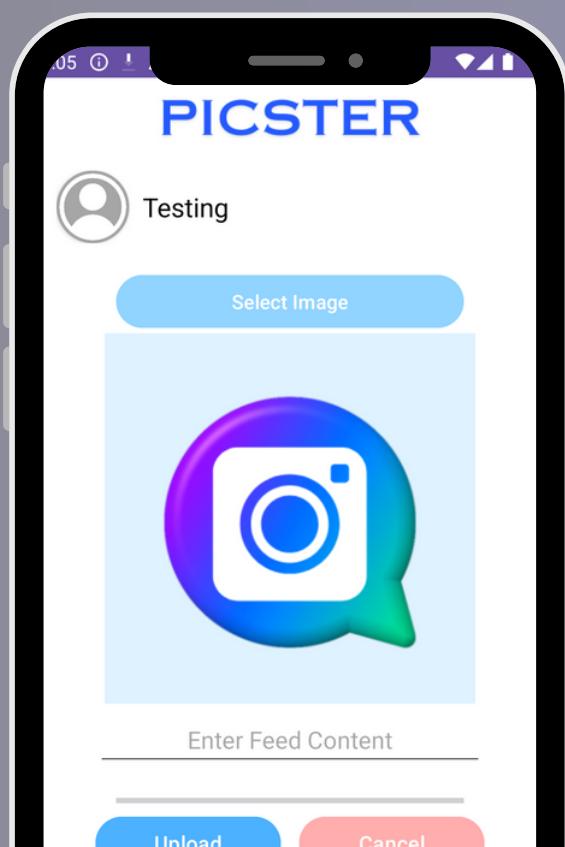
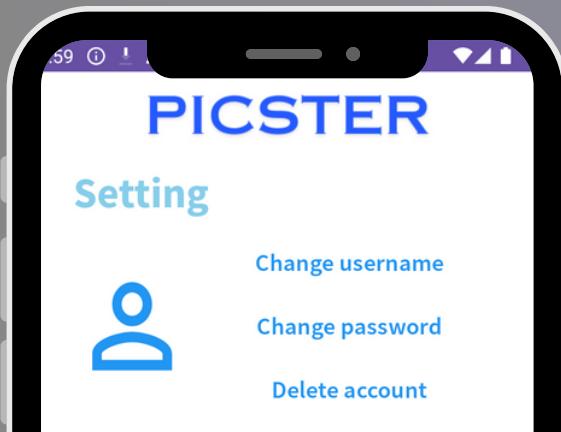
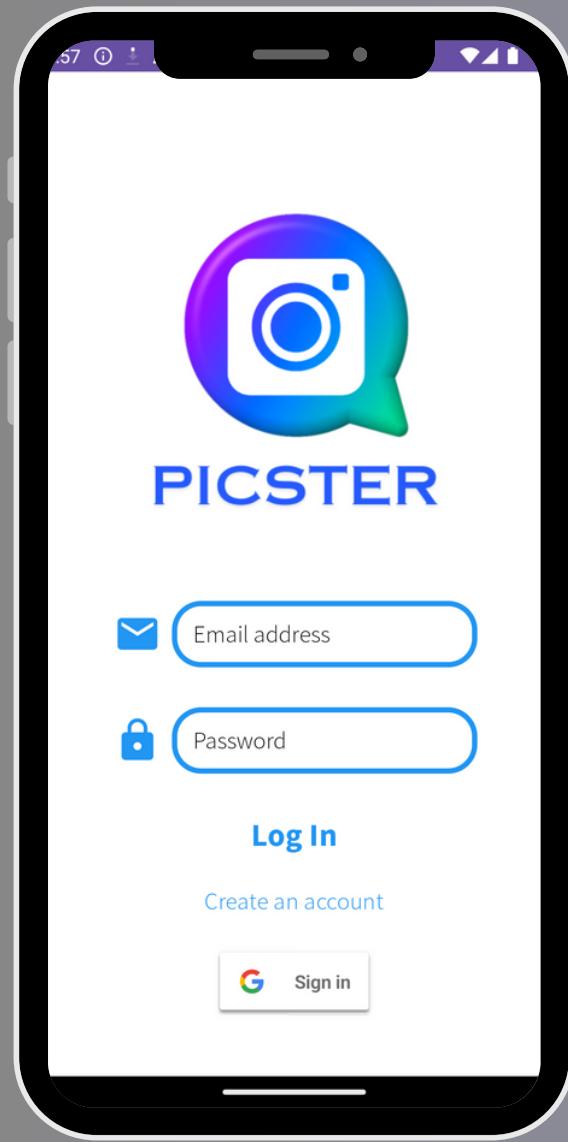


ABOUT OUR TEAM

- **Christina Yoo**
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 - S3916884@rmit.edu.vn

Assignment 3 group team should be 3-4 members. However, due to some special circumstances, we are a group of 2 members.





APPLICATION INTRODUCTION

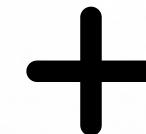
Picster is a social media application in a form of *diary in a visual realm* where users can communicate with each other.

- Express thoughts through an image and text.
- Connect with friends and share moments.
- Make your feed go *viral* through getting VIP membership with a single payment.
- Reporting feed service which admin can take further actions afterwards.



ABOUT OUR TOOLS AND TECHNOLOGY

Picster is developed by using *Android Studio* powered by *Firebase* for seamless and secure data persistence.

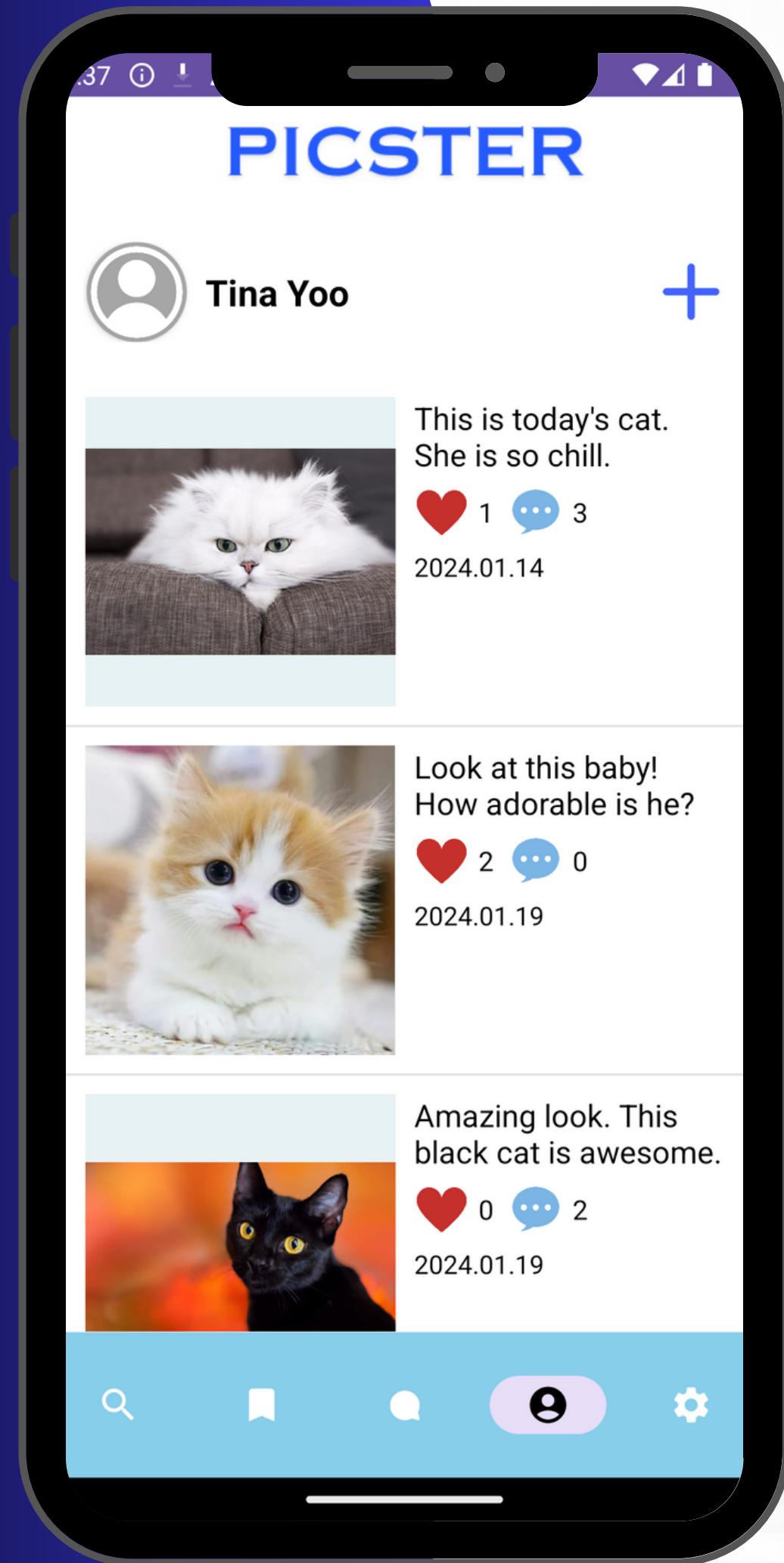


-  **Firebase**
Authentication
-  Cloud
Firestore
-  Storage



ACTIVITIES





MY PAGE

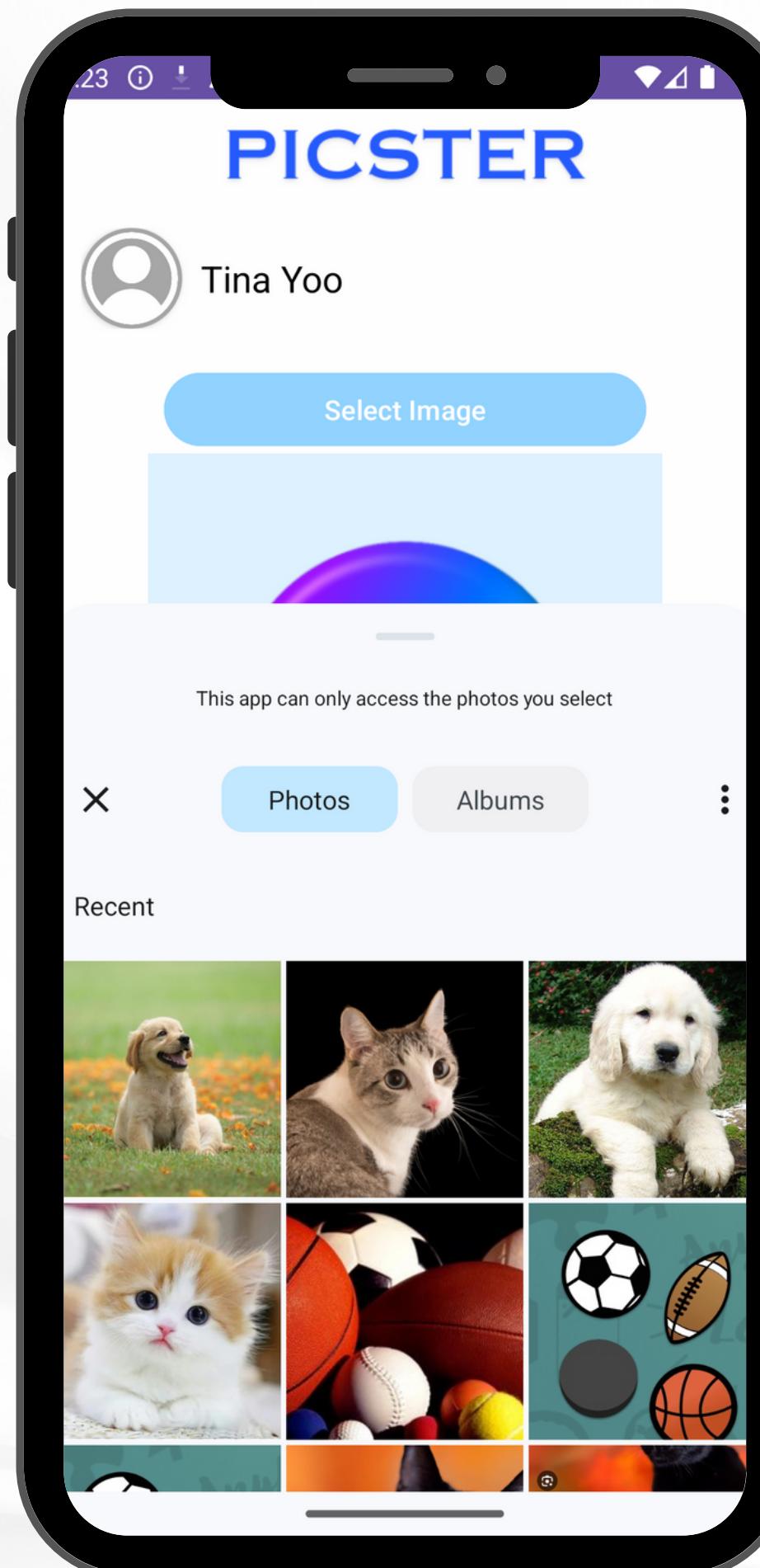
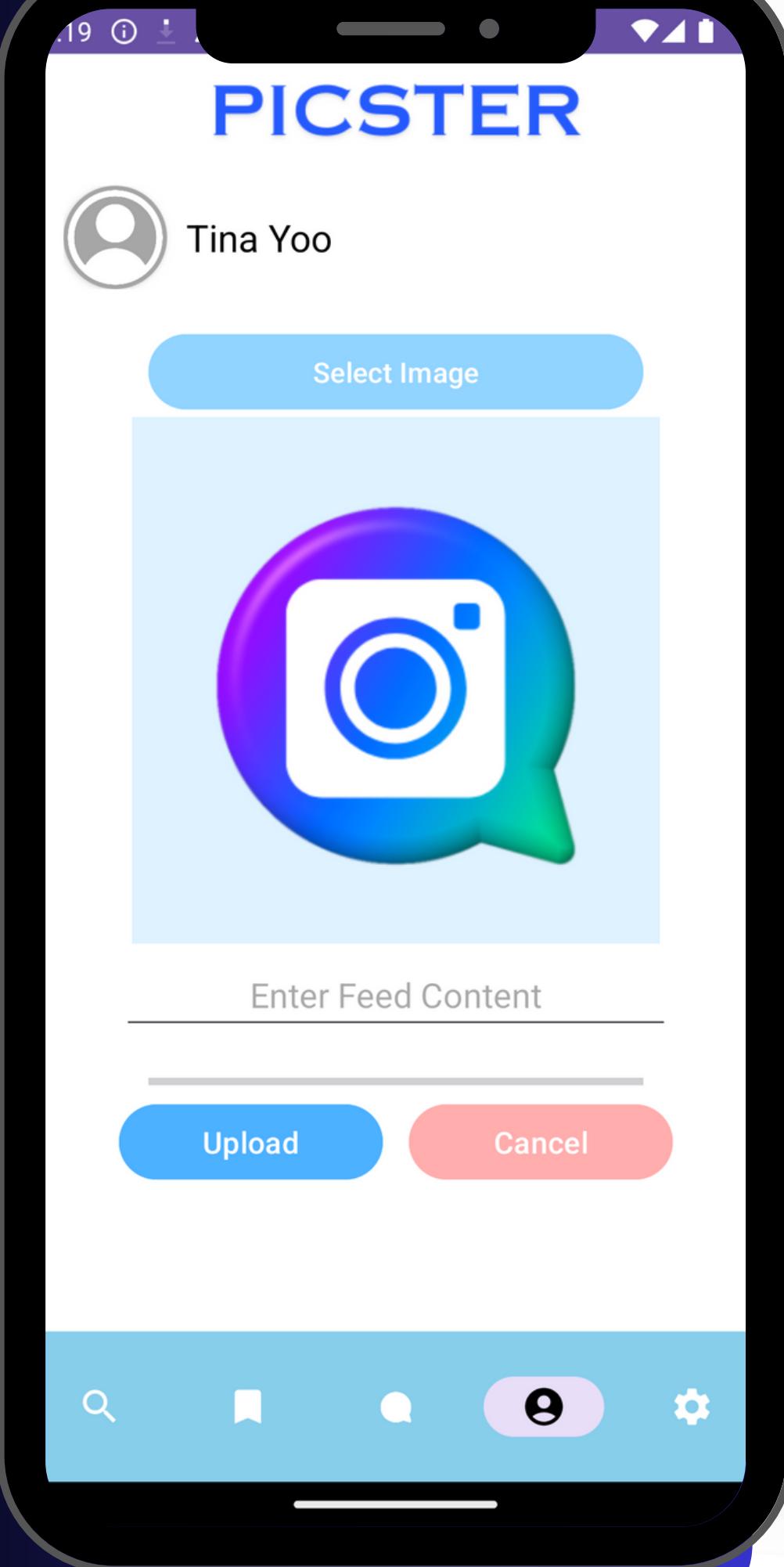


Users can view a list that shows all the users own feeds.

- Logo on the top + Navigation on the bottom.
- Own username.
- Plus button that starts UploadActivity when clicked.
- List view of all the user's own feed in a specific format. (Image, text, like&comment #, date)
- When a list item is clicked, MyFeedActivity starts.

Related files: User model, Feed model, MyPageActivity, activity_my_page, one_feed_list_item





UPLOAD

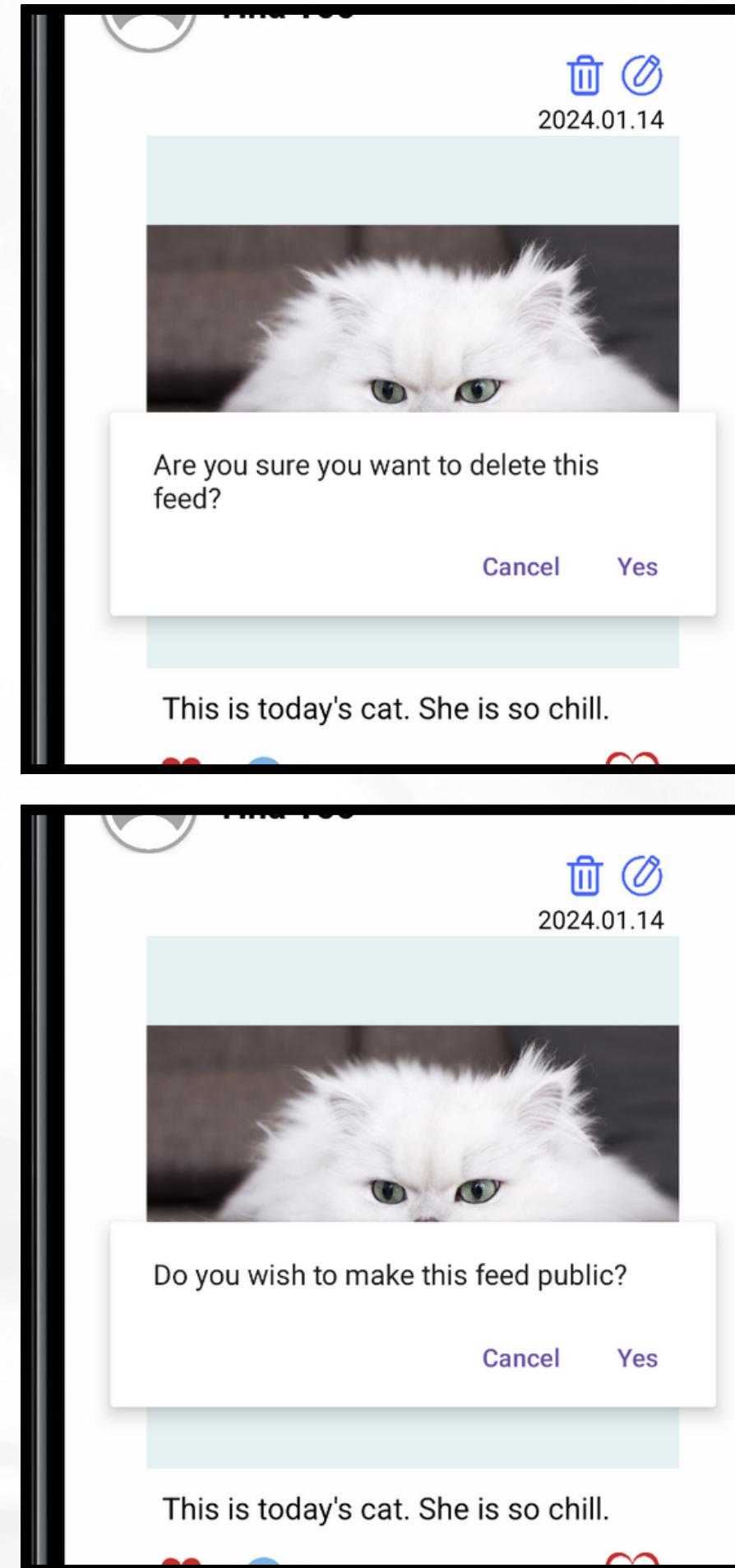
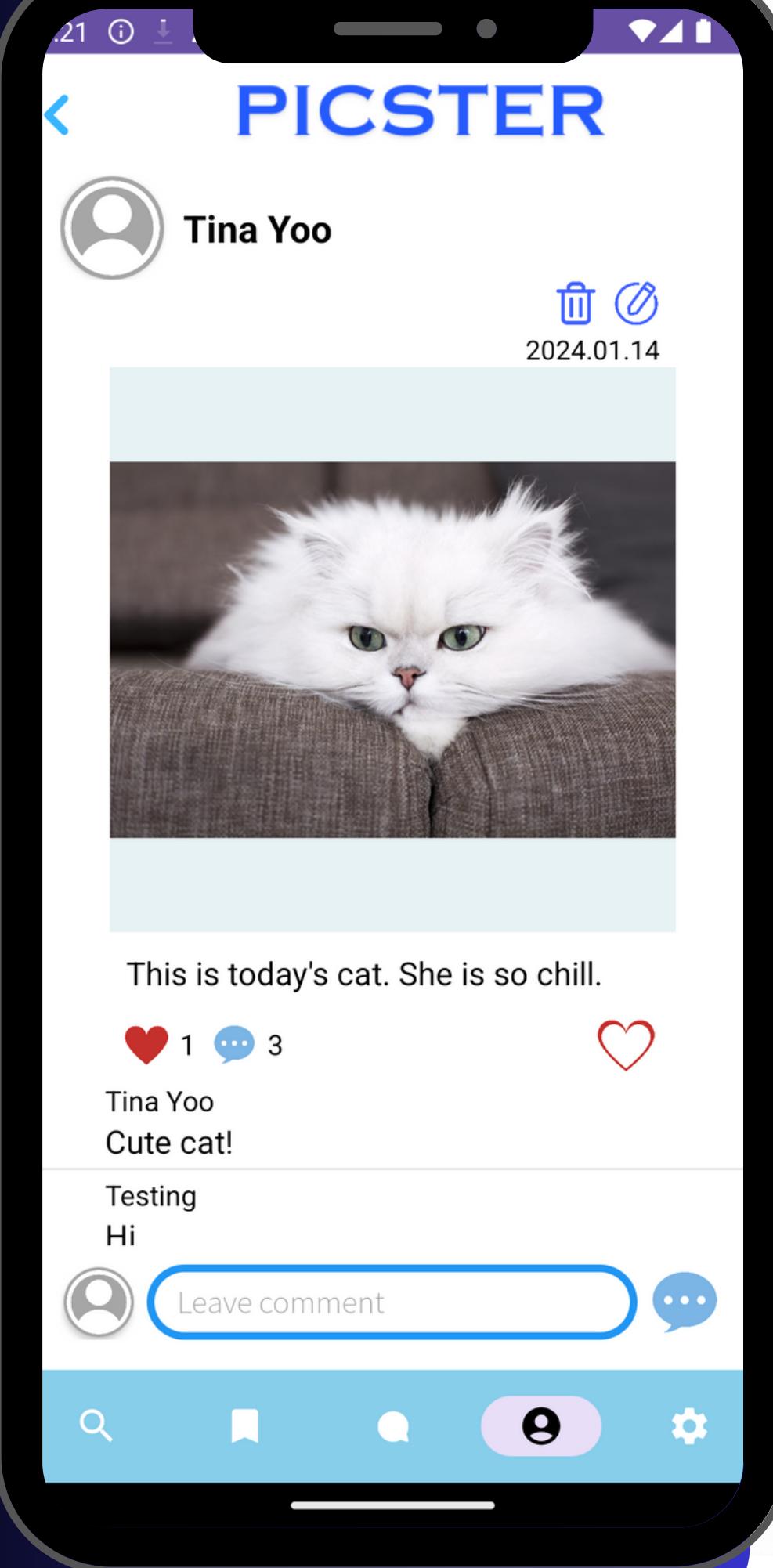


Users can upload a new feed. Feed includes a picture from local storage and text.

- Logo on the top + Navigation on the bottom.
- Own username.
- Select button that opens image selector.
- Image View that shows the image when selected.
- Edit Text for the feed content input.
- Upload button that adds the feed object to firebase.
- Cancel button that navigates back to MyPage.

Related files: User model, Feed model, Comment model, MyFeedActivity, activity_my_feed, comment_list_item





MY FEED

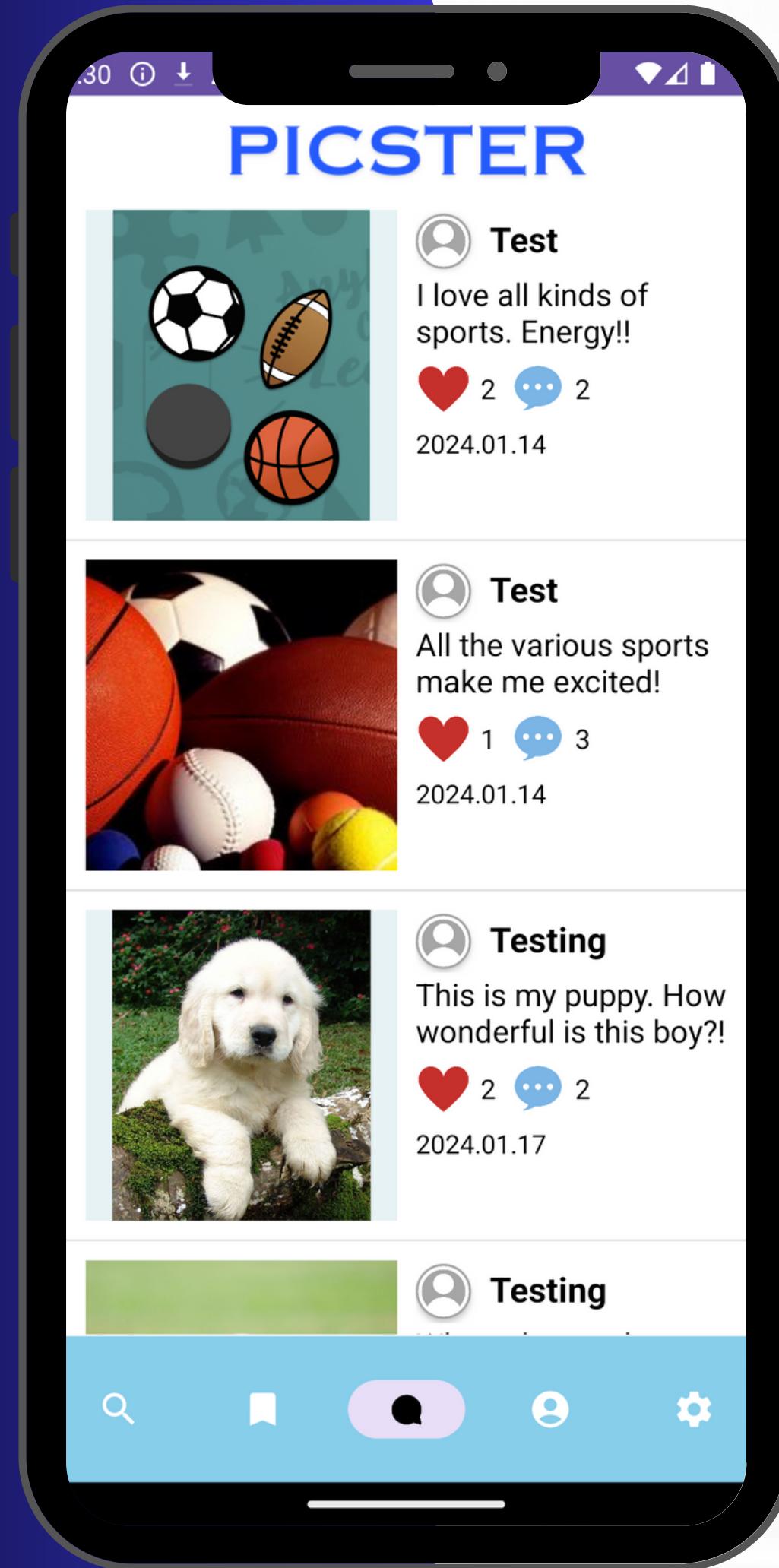


Users can view their own detailed feed information including the comments. Users can delete, make public, and comment.

- Own username.
- Delete button to delete the doc from Firebase.
- Edit button to update the public field of the Feed document to true or navigate to PaymentActivity.
- Like button to update the like array field of User document.
- Like number, comment number.
- Comments in a list view in a set format.
- Comment Edit Text and Button to update comments array field of Feed document.

Related files: User model, Feed model, Comment model, MyFeedActivity, activity_my_feed, comment_list_item





DASHBOARD

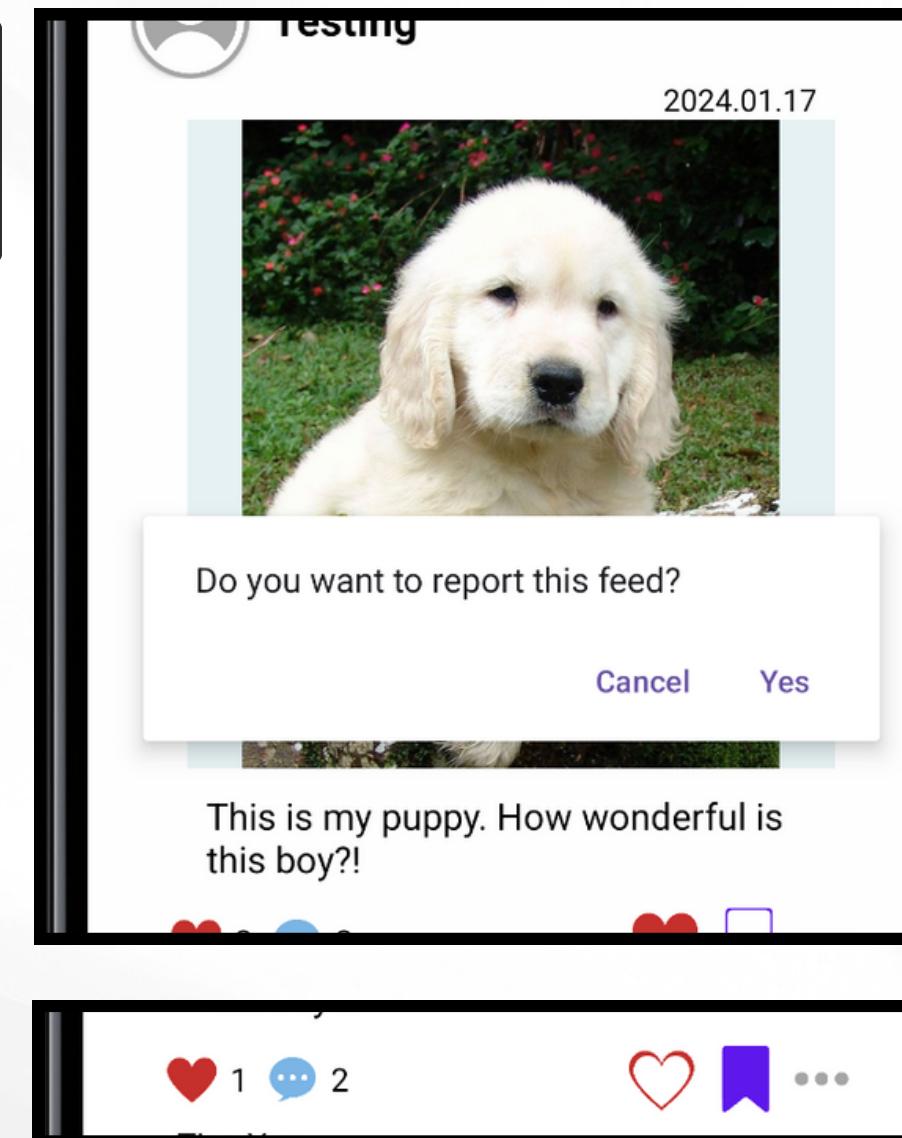
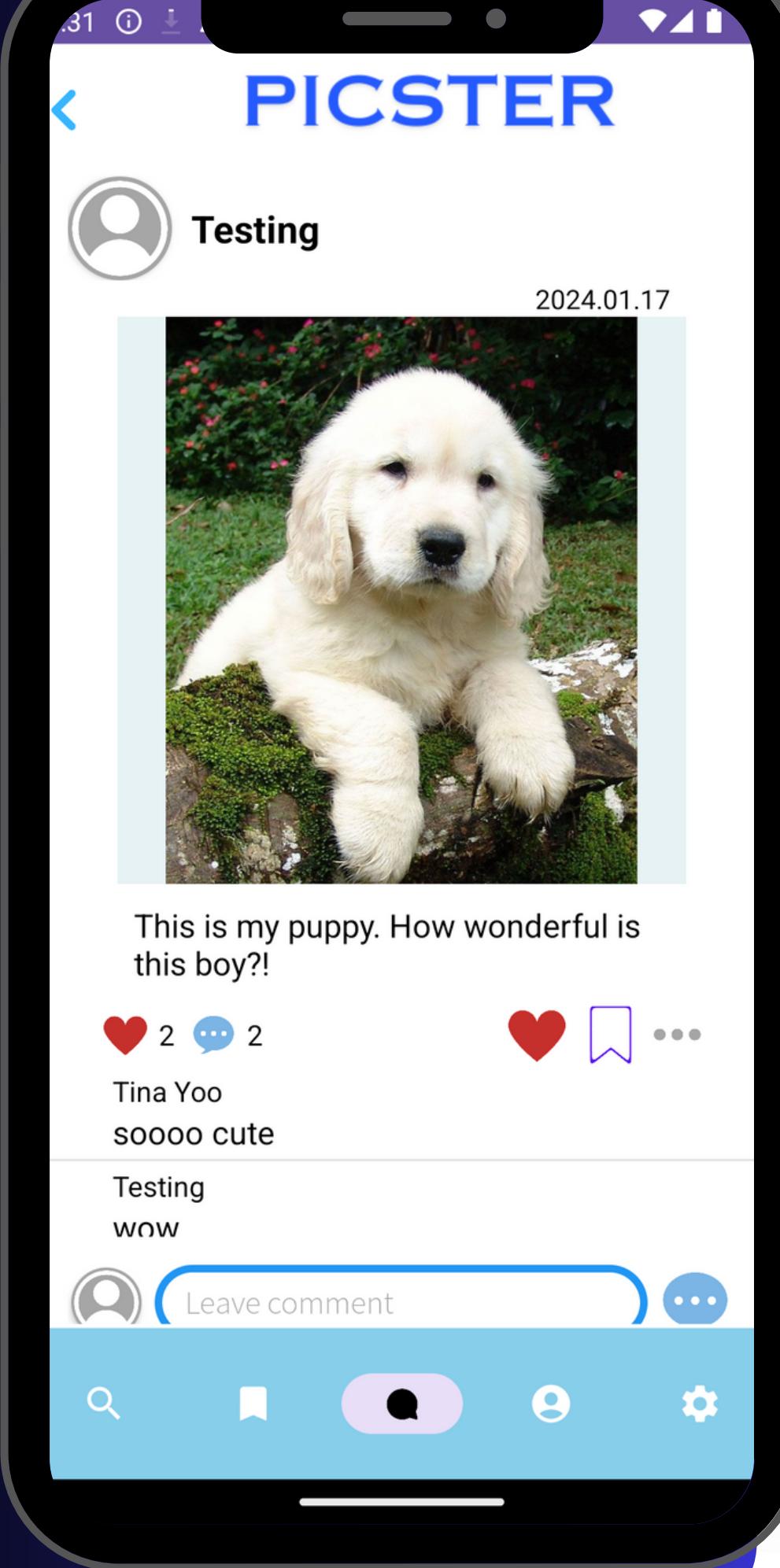


Users can view a list that shows all the feeds of all the friends.

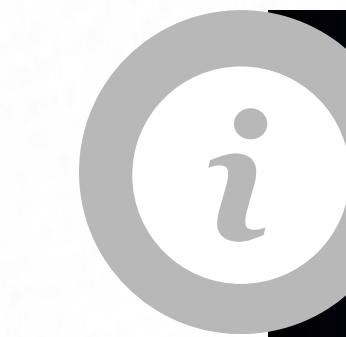
- A List View of all the feeds that the user's friends posted.
- List view is in a specific form that shows:
 - Username
 - Feed Image
 - Feed Content
 - Like, Comment numbers
 - Date

Related files: User model, Feed model, DashboardActivity, activity_dashboard, home_feed_list_item





FRIEND FEED

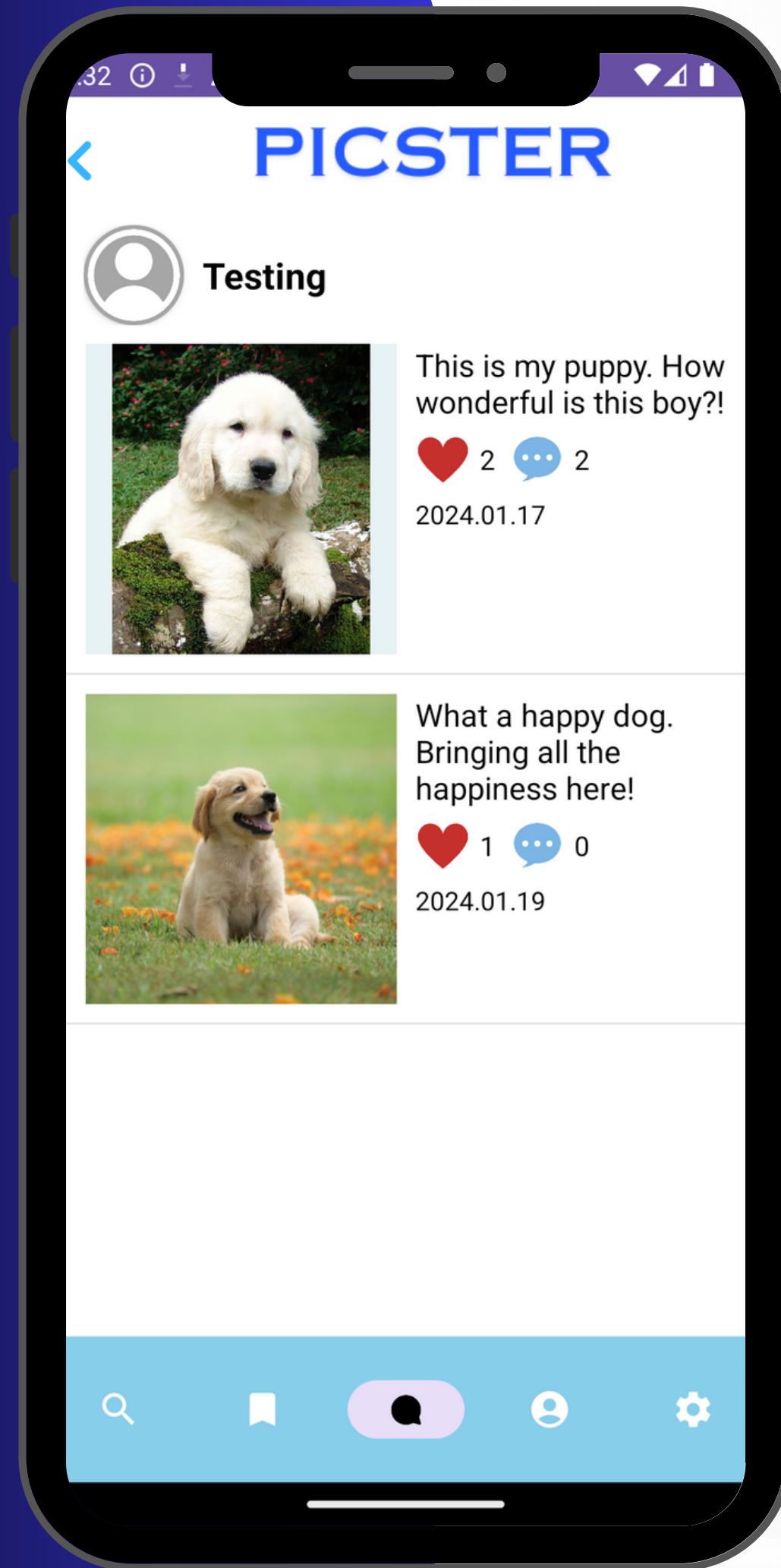


Users can view the detailed feed including all the comments. Users can like, save, report, and comment.

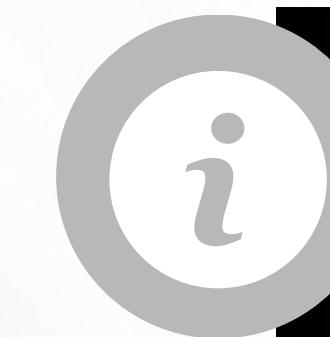
- Username.
- Feed Date, Image, Content Text, Like number, Comment number.
- Comments are displayed in a list view in a specific format (username + comment).
- Like button, Save button to update the like and save array field of the User document in Firebase.
- Report button to update the reported field to true of the Feed document.
- Comment Edit Text and button to update the comments array field of Feed doc.

Related files: User model, Feed model, Comment model, FriendFeedActivity, activity_friend_feed, comment_list_item





FRIEND PAGE

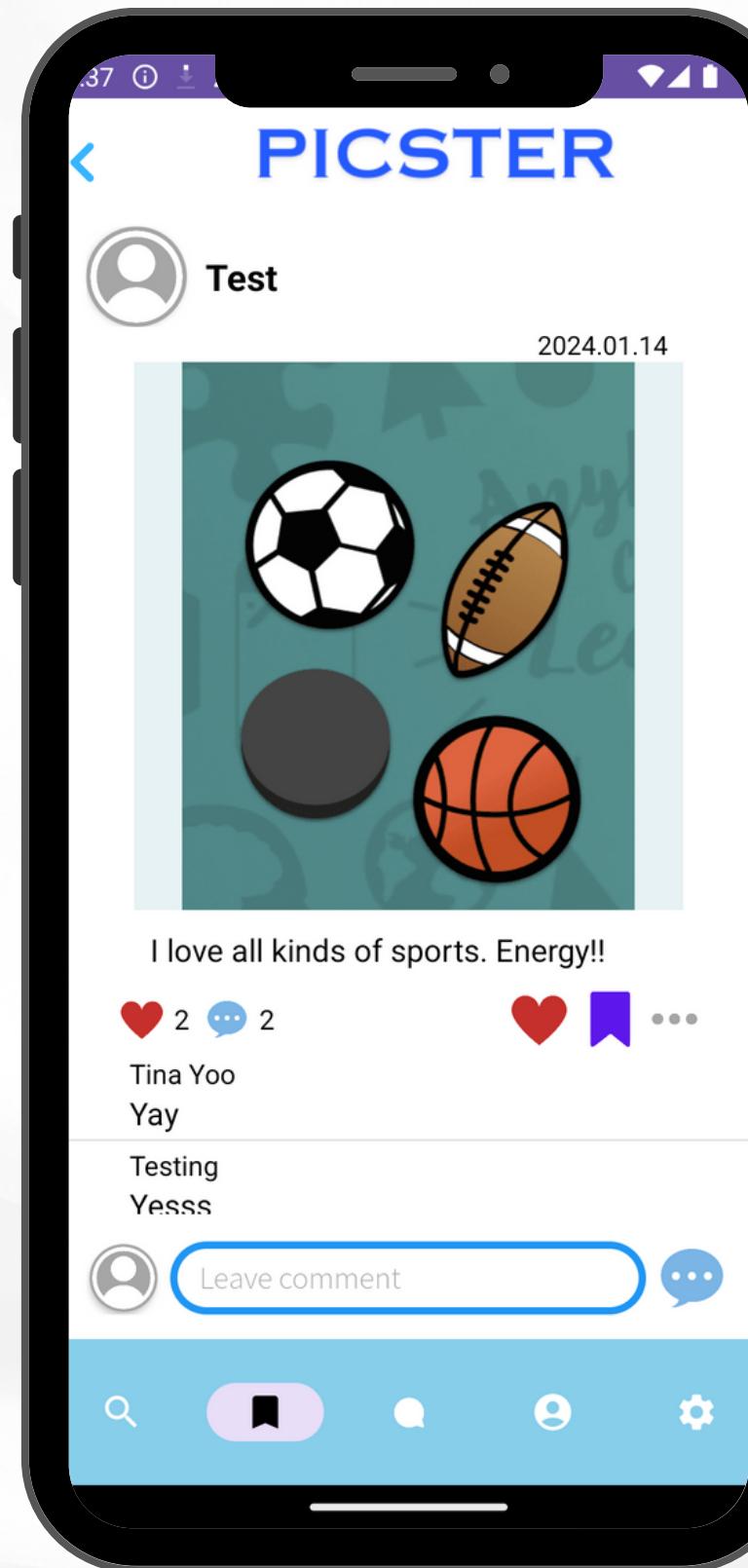
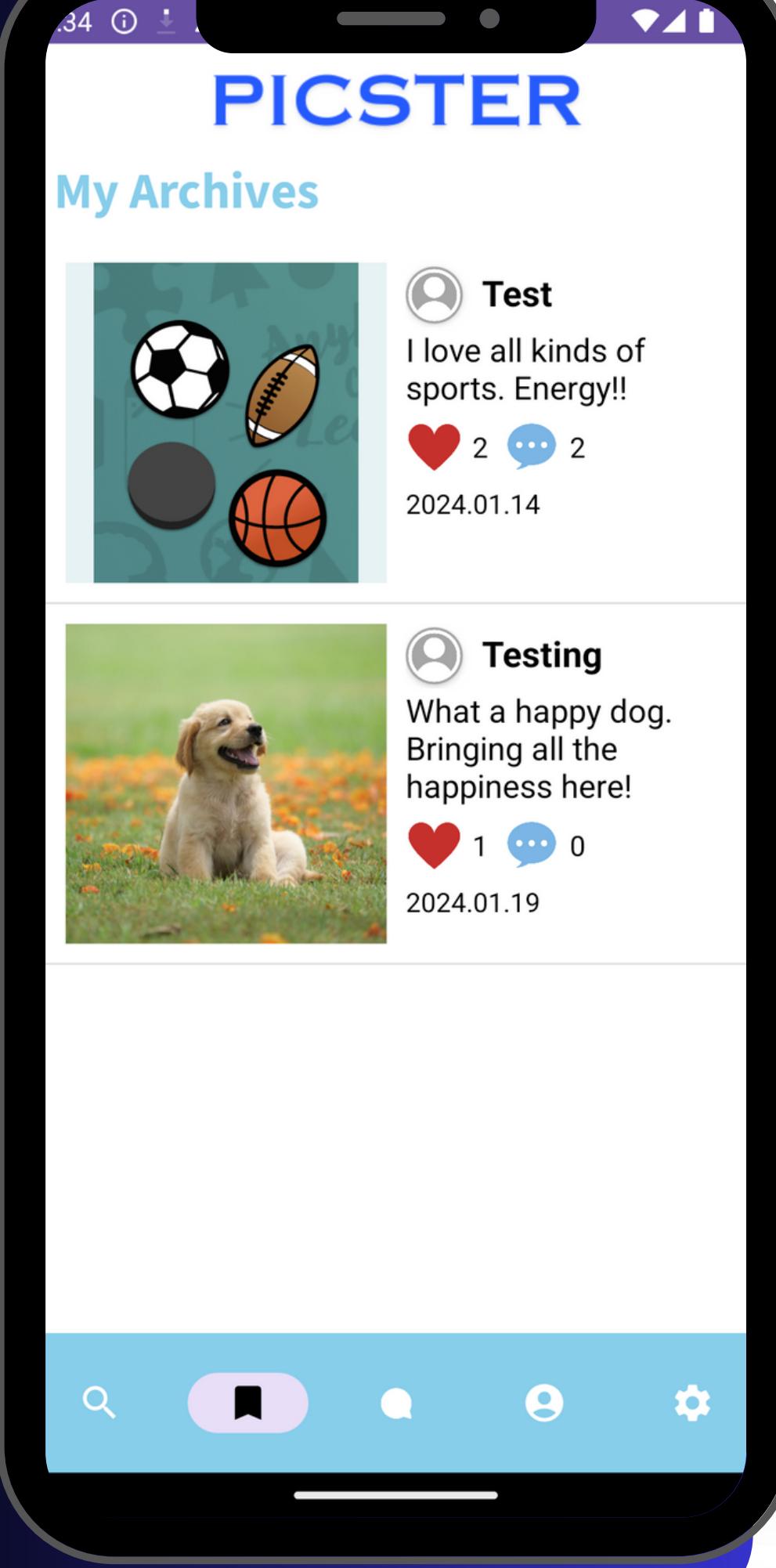


Users can view a list of all the feeds of a specific user.

- Friend's username.
- List view is in a specific form that shows:
 - Feed Image
 - Feed Content
 - Like, Comment numbers
 - Date
- When a list item is clicked, FriendFeedActivity starts.

Related files: User model, Feed model, FriendPageActivity, activity_friend_page, one_feed_list_item





BOOKMARK

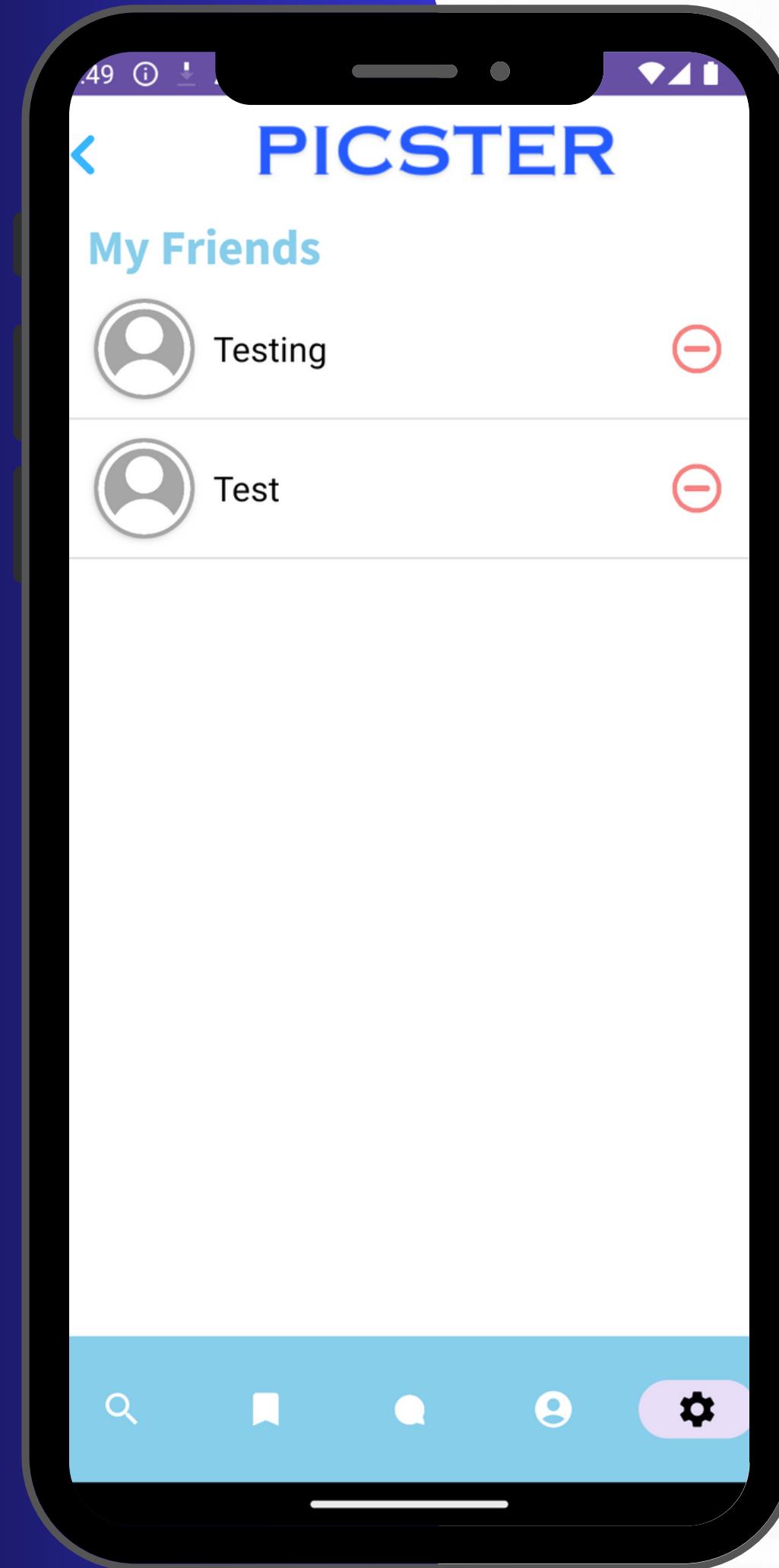


Users can view the feed list that shows the feeds that users saved.

- Title "My Archives"
- List view of all the feeds that user saved.
- When a list item is clicked, it starts FriendFeedActivity and users can change the saved list anytime.

Related files: User model, Feed model, BookmarkActivity, activity_bookmark, home_feed_list_item





FRIEND LIST



Users can see a list of their current friends and can remove friends.

- Text “My Friends”
- List view that shows all the friends in the user’s friend array field.
- List format:
 - Username
 - Minus button: that deletes a String from the array field and updates.

Related files: User model, Feed model, FriendListActivity, activity_friend_list, my_friend_list_item



JUNSIK

- **Model: User, CreditCard**
- **Login**
- **Register**
- **Setting**
 - **Main**
 - **Change Username**
 - **Change Password**
 - **Delete Account**
 - **Payment**
- **Search**
- **Admin**
 - **Main**
 - **AdminFeed**

LOG IN



Login Screen for users

- Email and password are required.
- Click the 'Create an account' button below to proceed registration.
- Google sign in is allowed.
- Once Google login used, it will be automatically logged in with same account in the next time.

Related files: 'User' model, MainActivity, activity_main.xml, main_edittext.xml



REGISTER



Register Screen for users

- Username, email and password and doublecheck password are required.
- Username and email cannot be duplicated.
- Click the 'I already have an account' button below to proceed log in again.

Related files: 'User' model, RegisterActivity, activity_register.xml, main_edittext.xml



NAVIGATION BAR



A navigation bar that allows to navigate between views. It is located below all views used by the user.

- Magnifying glass icon: Search view
- Bookmark icon: Bookmark view
- Picster icon: Dashboard view
- User icon: My page view
- Setting icon: Setting view
- Click to navigate to the desired view.



Related files: bottom_navigation_menu.xml



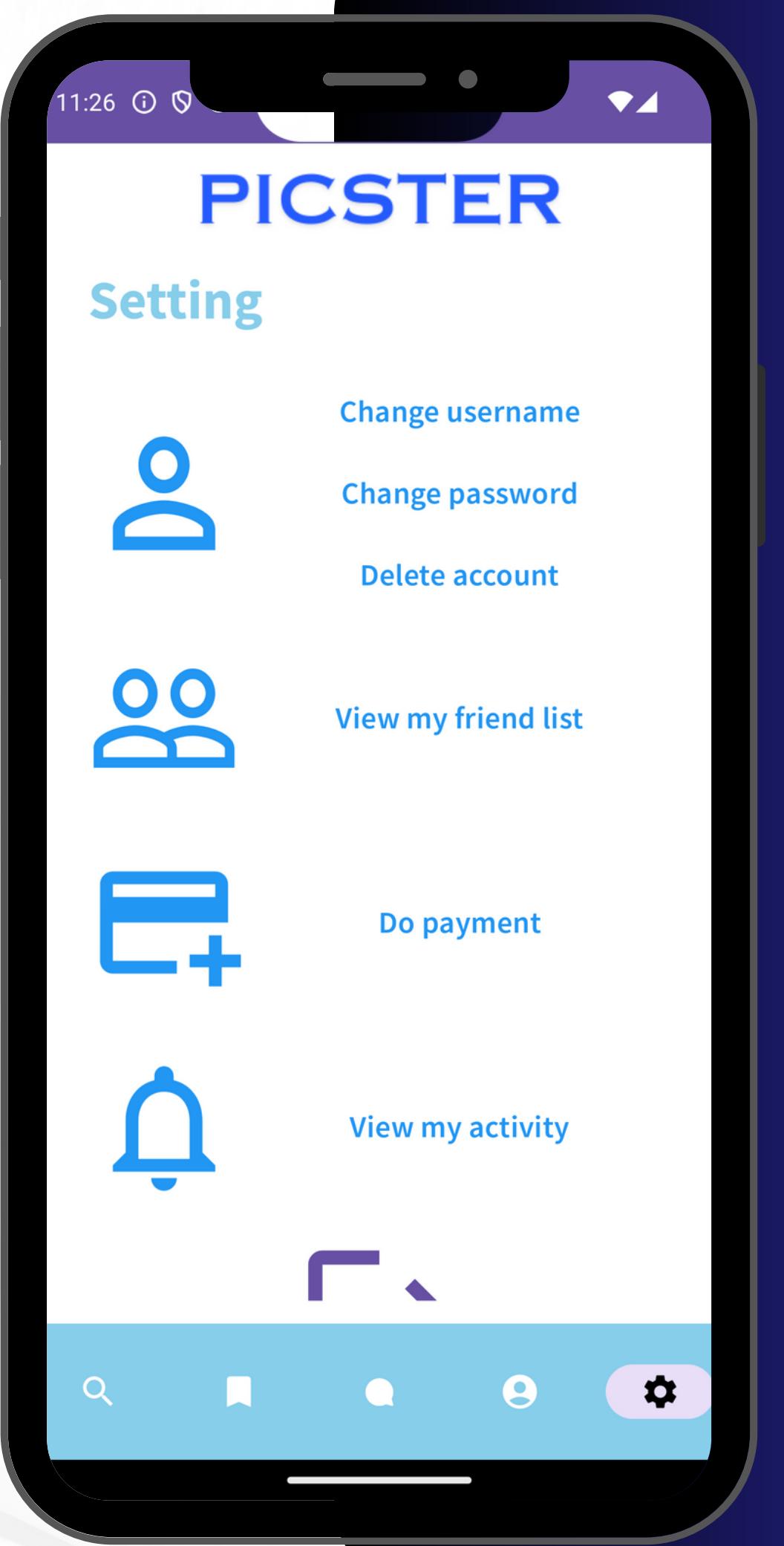
SETTING



Setting screen that allows users to customize preferences.

- There are various settings available for users, and they can proceed by selecting their preferred options.
- Click the logout button located at the bottom to sign out.
- Click on 'Change Password,' an email will be sent to the user's email for password modification.

Related files: SettingActivity, activity_setting.xml, various icon xmls.



CHANGE USERNAME



Allows users to change username for user

- Duplicated username is not allowed.
- Click the 'Change' button completes the username modification.

Related files: 'User' model, ChangeUsernameActivity, activity_change_username.xml, main_edittext.xml



DELETE ACCOUNT



Allows users to delete their Picster account

- Click the 'Delete' button to delete the account permanently.
- Click the 'Cancel' button to cancel the deletion process and go back.

Related files: DeleteAccountActivity,
activity_delete_account.xml

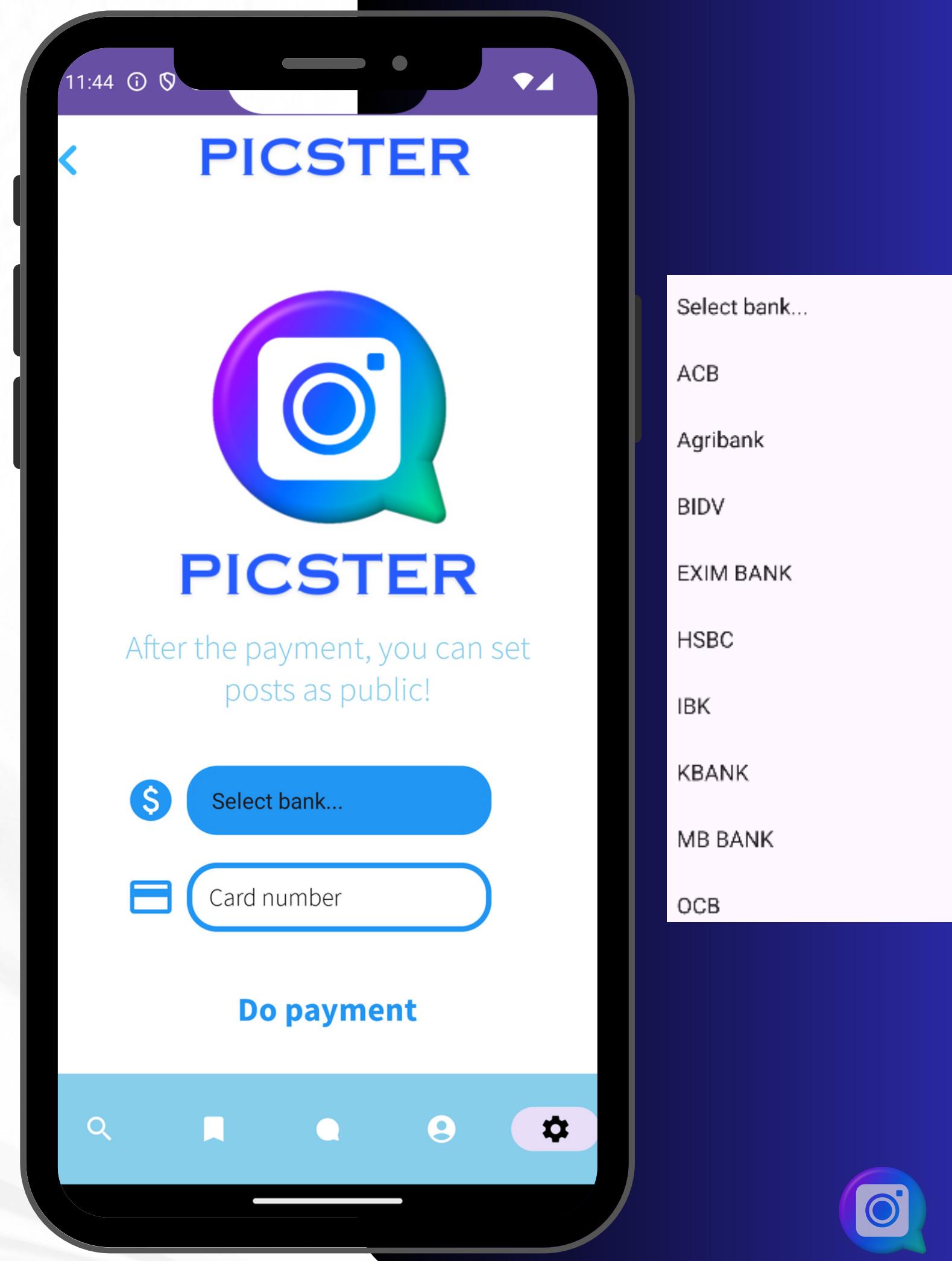


DO PAYMENT



Allows users to do payment for additional feature

- Click the 'Select bank...' to choose the bank which user uses.
- Enter the card number on the text box next to card icon.
- Click the 'Do payment' button to complete payment process.
- When the payment is completed, user can set the feed to public.



Related files: PaymentActivity, activity_payment.xml,
various icon xmls.

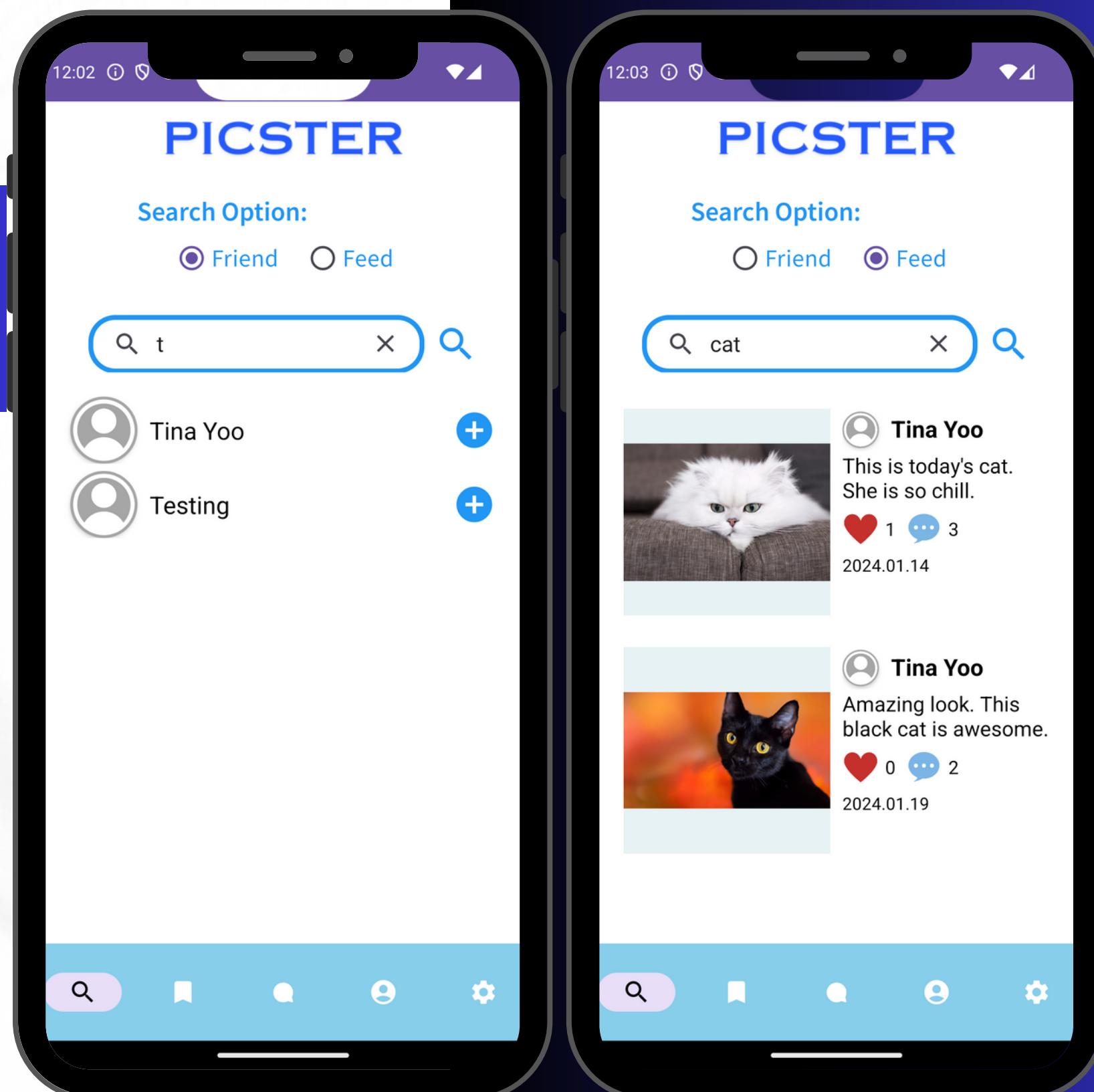
SEARCH



Allows users to search any other users & feeds.

- Select a search option and search.
- In the case of friend, impossible to add friend who is already friend.
- In the case of feed, only posts from friends and public posts will be searched.

Related files: SearchActivity, activity_search.xml, friend_list_item.xml, one_feed_list_item.xml, various icon xmls.



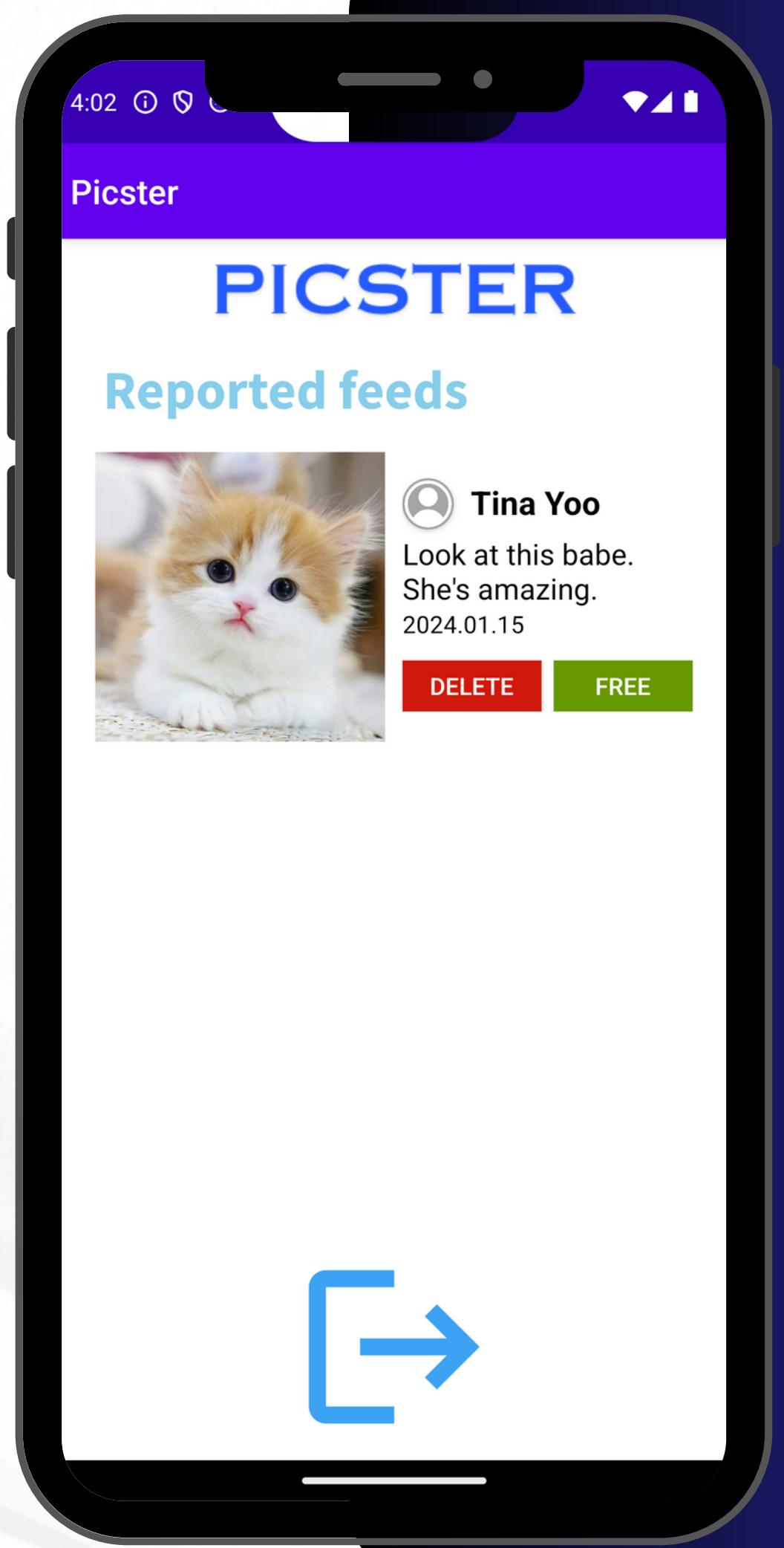
ADMIN



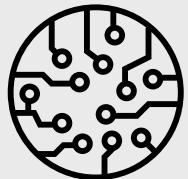
Admin feature who control Picster.

- Log in using the admin account.
- Review the feed, then click 'DELETE' button if it is really inappropriate feed.
- If it is not, click 'FREE' button to cancel the report.

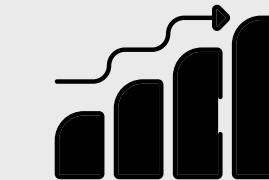
Related files: AdminActivity, activity_admin.xml,
admin_feed_list_item.xml



LIMITATIONS AND POSSIBILITIES



Due to a shortage of manpower, it was unable to implement the notification system.



- Direct messaging(DM) system between users can be implemented.
- More admin features can be added(ex. report user/delete user)



Q & A



THANK YOU

