

# Orbital 2022 Milestone 1 Report



**Team Name:** W

**Team Members:** Farrel Dwireswara Salim & Elbert Benedict

**Proposed level of achievement:** Artemis

**Application name:** Chattoku

**Poster:** [Link](#)

**Video:** [Link](#)

**Github repository:** [Link](#)

## **Motivation**

As an anime lover, it is not rare for us, members of team W, to encounter a situation where we don't know what other anime to watch or with whom we should discuss the anime that is currently trending. Now, the most used app to fulfill that goal is MyAnimeList and Reddit. However, MyAnimeList mobile app doesn't support its forum (It redirects the user to its website when trying to open a discussion) and Reddit is not specialized for the otaku (anime appreciator) community. Hence, we would like to create a new app, which we named Chattoku (Chat + Otaku), to overcome this inconvenience.

## **Aim**

We aim to create a cross-platform mobile application for anime lovers that will provide them with anime databases, a recommendation system based on their favorite genre and anime series, as well as a platform to discuss various topics with other users.

## User stories

Priority level: \*\*\* - **Must** have, \*\* - **Should** have, \* - **Could** have

	Priority Level	As a ...	I would like to ...
1.	***	User	Create an account and login to Chattoku.
2.	***	User	Input my anime genre preferences
3.	***	User	Input my favorite anime
4.	***	User	Customise my username, profile picture, and bio
5.	***	User	Be able to log out from Chattoku
6.	***	User	Be able to delete my account when I no longer want to use Chattoku
7.	***	User	Create a new forum
8.	***	User	Moderate forums that I create
9.	***	User	Create, update, and delete my post and comment in a forum
10.	***	User	Like or dislike on posts made in the forum.
11.	***	User	Follow a forum that interests me
12.	***	User	Unfollow a forum that I previously followed
13.	***	User	Know the currently trending anime
14.	**	User	Initiate a private chat with other users
15.	**	User	Receive message notifications
16.	**	User	Add another user as a friend
17.	**	User	Unfriend another user
18.	**	User	Create a group chat with other user
19.	**	User	Moderate group chats that I create
20.	**	User	Leave a group chat when I intend to
21.	**	User	Decline private chat requests with other users

22.	**	User	Sort the forum posts by latest or trending
23.	**	User	Filter the forum posts by name of forum, genre associated with the forum, or title of post
24.	**	User	Find my previous forum posts easily
25.	**	User	Find a detail of a specific anime
26.	**	User	Get an anime recommendation based on my chosen genres and favorite anime series
27.	*	User	Be able to switch to dark mode
28.	*	User	Get a tutorial to use the Chattoku app

## Project scope

Chattoku utilizes mobile applications (for Android and iOS) as the front-end for users to interact with each other through chats and forums, as well as providing them with anime databases. This will be done in React Native.

Machine learning algorithms will be used for anime recommendation system. This will be done using python.

A set of back-end APIs will be used for authentication and database. This will be done using Firebase.

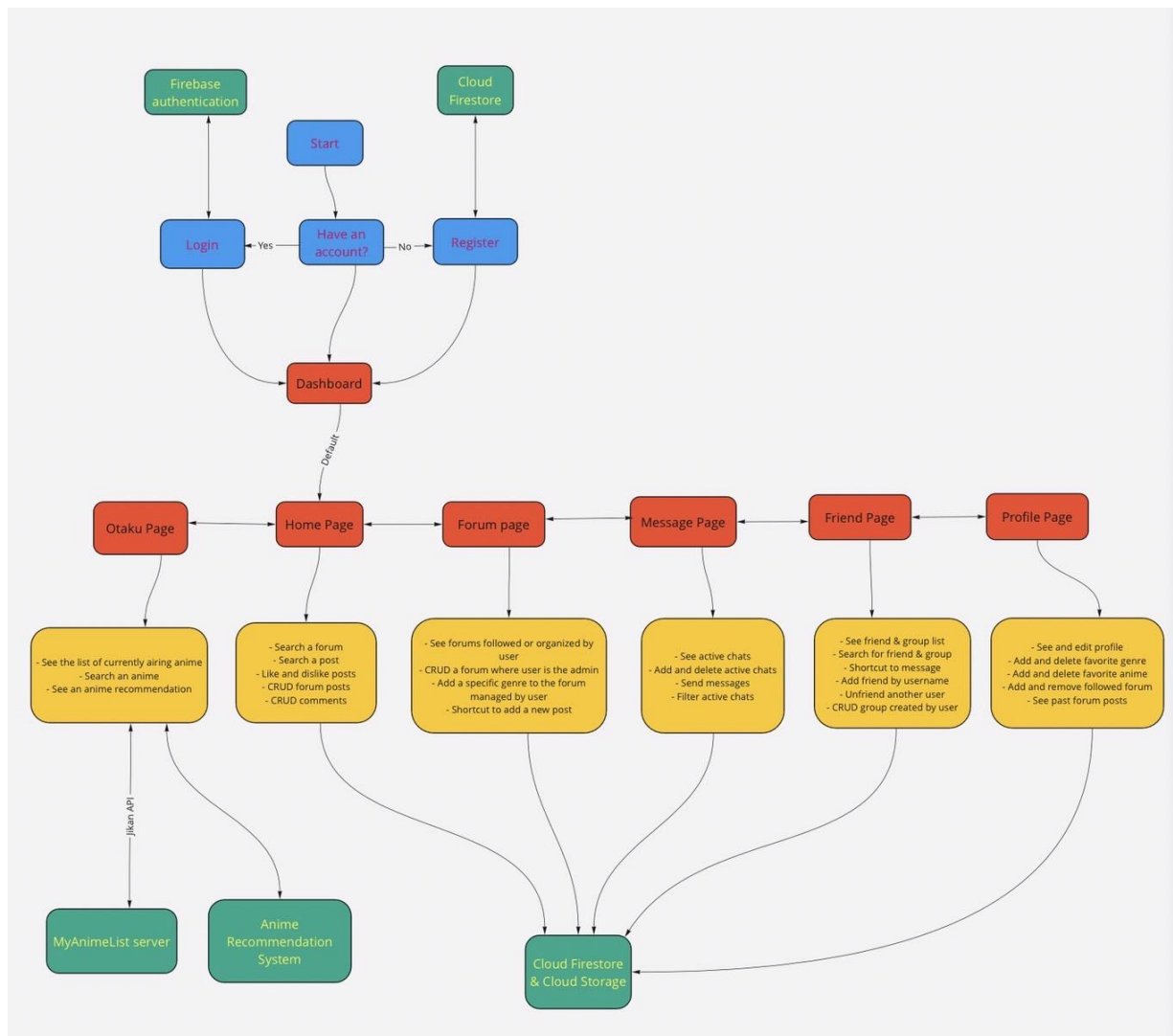
## Progress (as of Milestone 1):

1. Authentication
  - Login page
  - Register page
  - Logout functionality
2. Forum prototype system
  - Dummy subforums where user can create and delete posts or comments
3. Anime database
  - Search a specific anime by its title
  - Add and remove anime from user's favorite list
  - Get currently airing and top anime
4. Friend prototype system
  - Add other user as a friend
  - Unfriend a specific user
  - Search friend by username
5. Basic chat functionality (1 on 1 messaging)
6. Profile page
  - Allow user to customize its username, bio, and profile picture
  - Fetch user's favorite anime and genre
  - Stack navigation to "edit favorite genre" section

For more detailed explanation of our current feature, check our [user's guide](#)

## Application design flow

Shown below is Chattoku's design flow.



## **Our future plans?**

Features to be completed by mid of June:

1. User authentication: forgot password system, resend authentication email
2. Forum: create and moderate forum, like and dislike system, edit posts and comments
3. Messaging: group chat system, chat lists
4. Make friend system to be a bidirectional relationship (currently it's one-direction)

Features to be completed by end of June:

1. Forum: follow forum system, filter forum posts and comments
2. Anime recommendation system
3. Allow notifications upon receiving messages, receiving friend requests, etc.
4. Profile section: show user's previous forum posts and comments

Features to be completed by mid of July:

1. User authentication: delete account system
2. Friend: allow user to block a specific users

## Deployment details

As of milestone 1, Chattoku has been deployed for users to take a look at what this app can do.

To test this app, first you need to download Expo Go on your mobile phones.

Then, for iOS users only, there is one additional step that you need to do. Simply do any one of two choices given below.

- Create an Expo Go account using your email and send your registered email to our telegram account (@sugiyemm or @elben85)
- Login to Exgo Go using our test account (username: chattoku-test , password: chattokucp2106)

After that, you simply need to scan the QR code below to try using Chattoku. Alternatively, you can also click on the link below.



Link to our deployed app: [Link](#)

Note: After signing up, you need to verify your email first. Do check your spam folder for that.



## Project Log

	Task	Date	Farrel	Elbert	Remarks
	Refinement of ideas	9 May 2022	2h	2h	1. Revise project proposal
	Refinement of ideas	10 May 2022	2h	2h	1. Revise project proposal
	Lift-Off	11 May 2022	3h	1h	1. Poster and video creation
	Project consultation	12 May 2022	3h	1h	1. Project consultation with advisor 2. Picking up react native & firebase
	Picking up relevant technology	13 May 2022	2h	0h	1. Picking up react native & firebase
	Mission control 1 & Team meeting	14 May 2022	5h	4h	1. React Native tutorial 2. Discuss what to do for the next two weeks 3. Create the github repository 4. Configure firebase with the app
	Application development	15 May 2022	1h	0h	1. Continue configuring firebase to the app
	Application development	16 May 2022	2h	1h	1. Create navigation bar for dashboard screen 2. Enable fetching anime data 3. Check firebase configuration
	Application development	17 May 2022	2h	0h	1. Create anime search bar
	Application development	18 May 2022	2h	0h	1. Anime screen UI

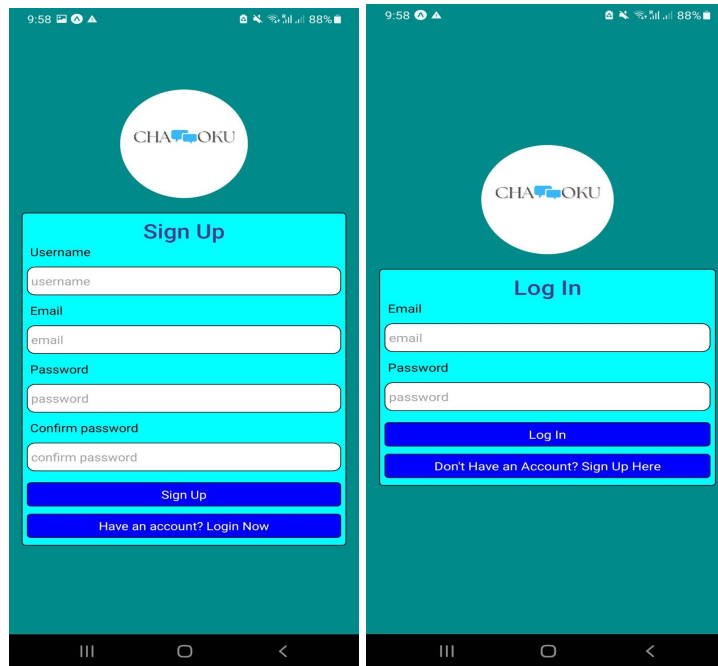
	Application development	19 May 2022	2h	0h	1. Anime screen UI
	Application development	20 May 2022	1h	0h	1. Create navigation to login and signup screen
	Mission control 2	21 May 2022	5h	6h	1. Software Engineering tutorial 2. Login & Sign Up 3. Database Discussion 4. Code Review 5. Profile screen UI
	Application development	22 May 2022	4h	8h	1. Login & Sign Up 2. Profile screen UI 3. Enable app to use camera & library
	Application development	23 May 2022	2h	0h	1. Favorite anime & genre UI
	Application development	24 May 2022	4h	1h	1. Login & Signup Bug Fixes 2. Allow user to add and remove a specific anime to favorite 3. Edit profile system
	Application development	25 May 2022	3h	0h	1. Edit genre screen
	Application development	26 May 2022	2h	0h	1. Clean up code 2. Prototype friend system
	Application development	27 May 2022	5h	1h	1. Prototype friend system 2. Code Review 3. Fix bug in iOS
	Mission control 3	28 May 2022	7h	8h	1. Machine learning tutorial 2. Code review 3. Forum prototype

					4. Basic chat functionality 5. Add README to github repo
	Application development	29 May 2022	8h	15h	1. Forum Prototype 2. Basic chat functionality 3. Add README to github repo 4. Add more feature to profile customization system
	Deployment	30 May 2022	10h	2h	1. Debug code 2. Add more styling to the app 3. Write milestone 1 report and user's guide 4. Deploy app to expo host
Hours			77h	52h	

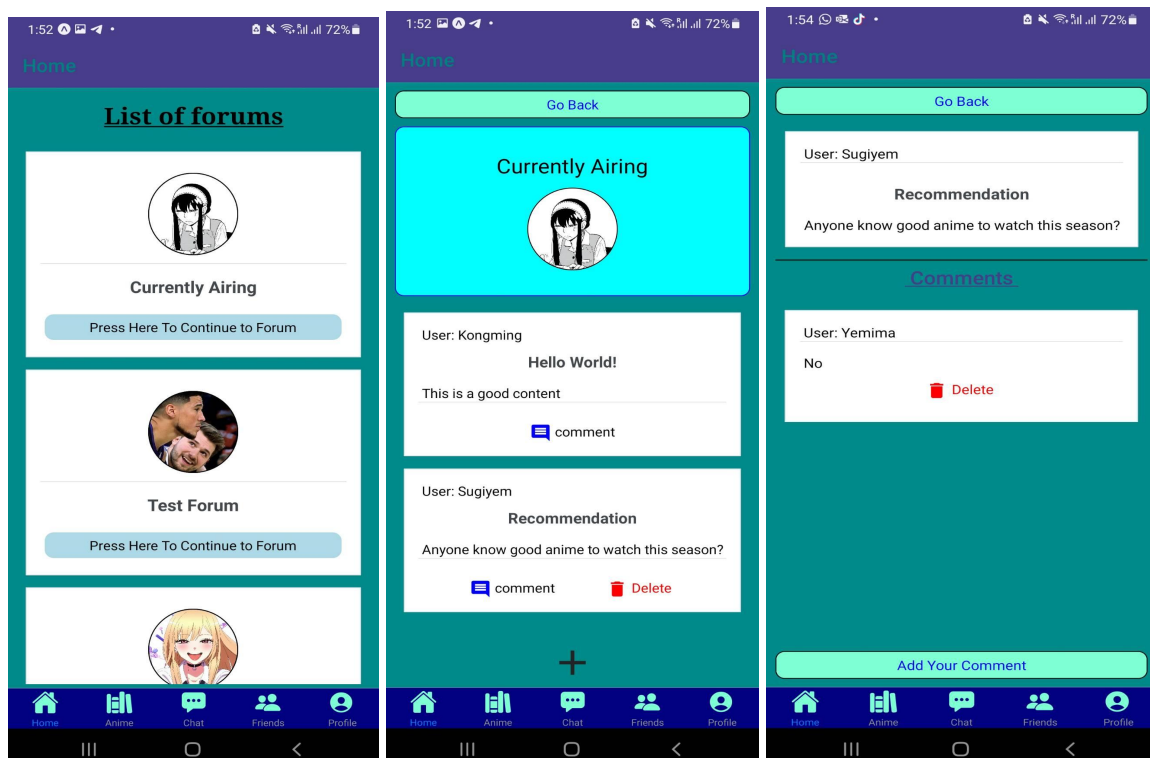
## Sample Screenshots

Shown below are some screenshots of feature which has been implemented in our application as of milestone 1.

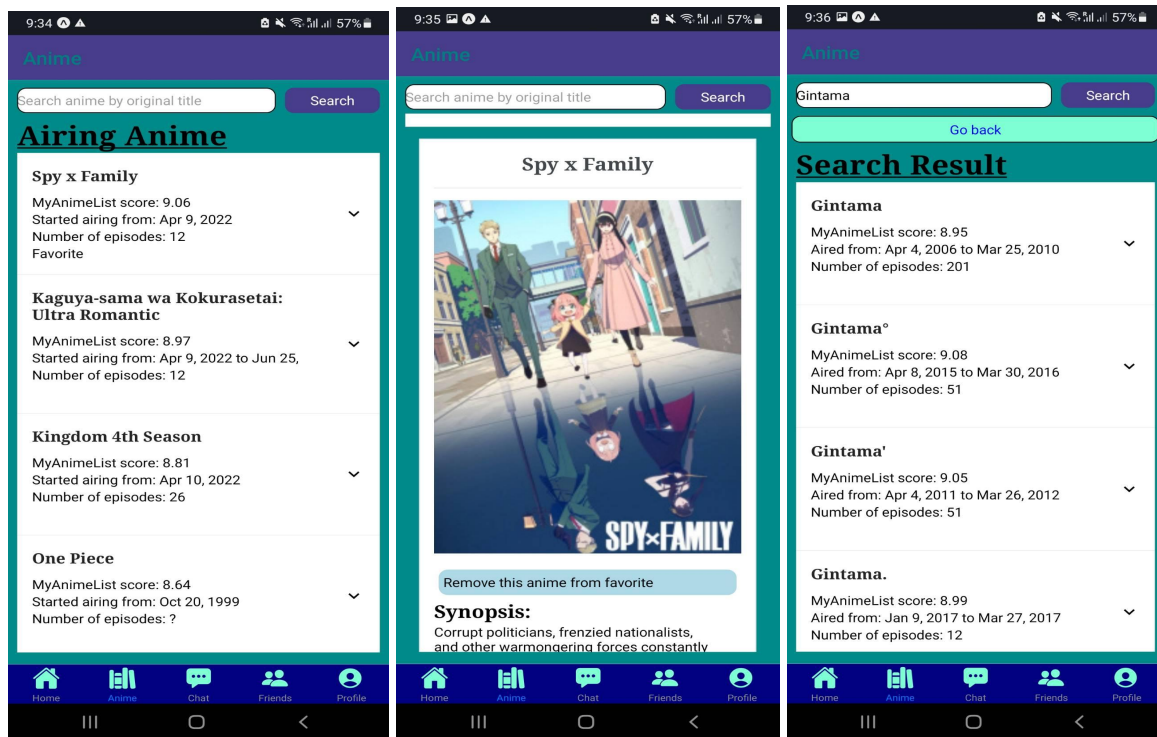
### - Login & Sign Up



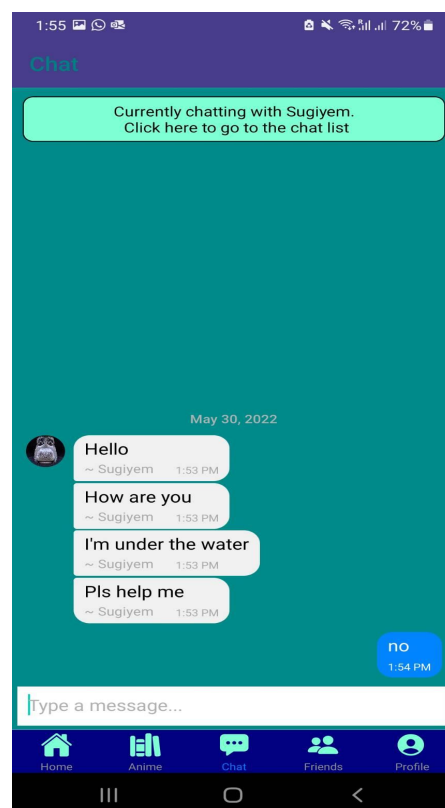
### - Forum section



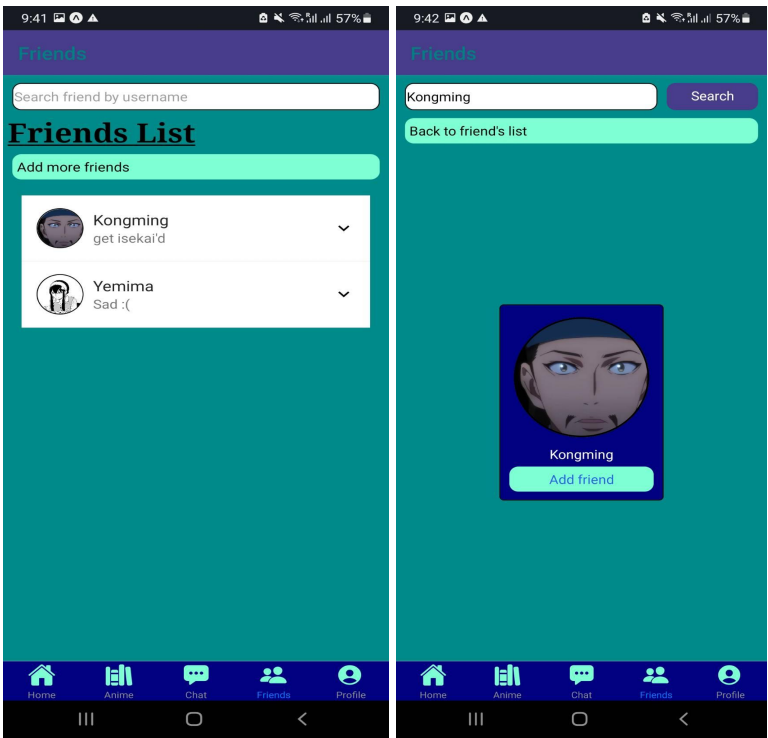
## - Anime section



## - Basic one-on-one messaging



- Friend section



- Profile Section

