



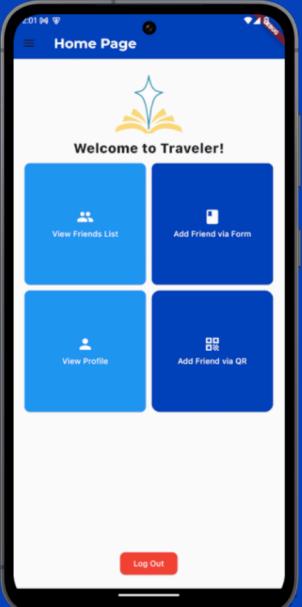
Traveler

Mini Manual

INSTALLATION

Please follow the [README.md](#) file of the repository for installation and setup.

What is Traveler?



CMSC 23 – U-2L

Traveler 

A slambook mobile application based on Genshin Impact using Flutter, Dart, and Google Firebase.

- View, add, edit, and remove friends
- Create, update, and delete profile pictures
- Verify friends by scanning their QR code
- View, create and save from local device a traveler QR code of a traveler or friend's slam book information
- Google Sign-In Authentication

@rebberchicken / 2024

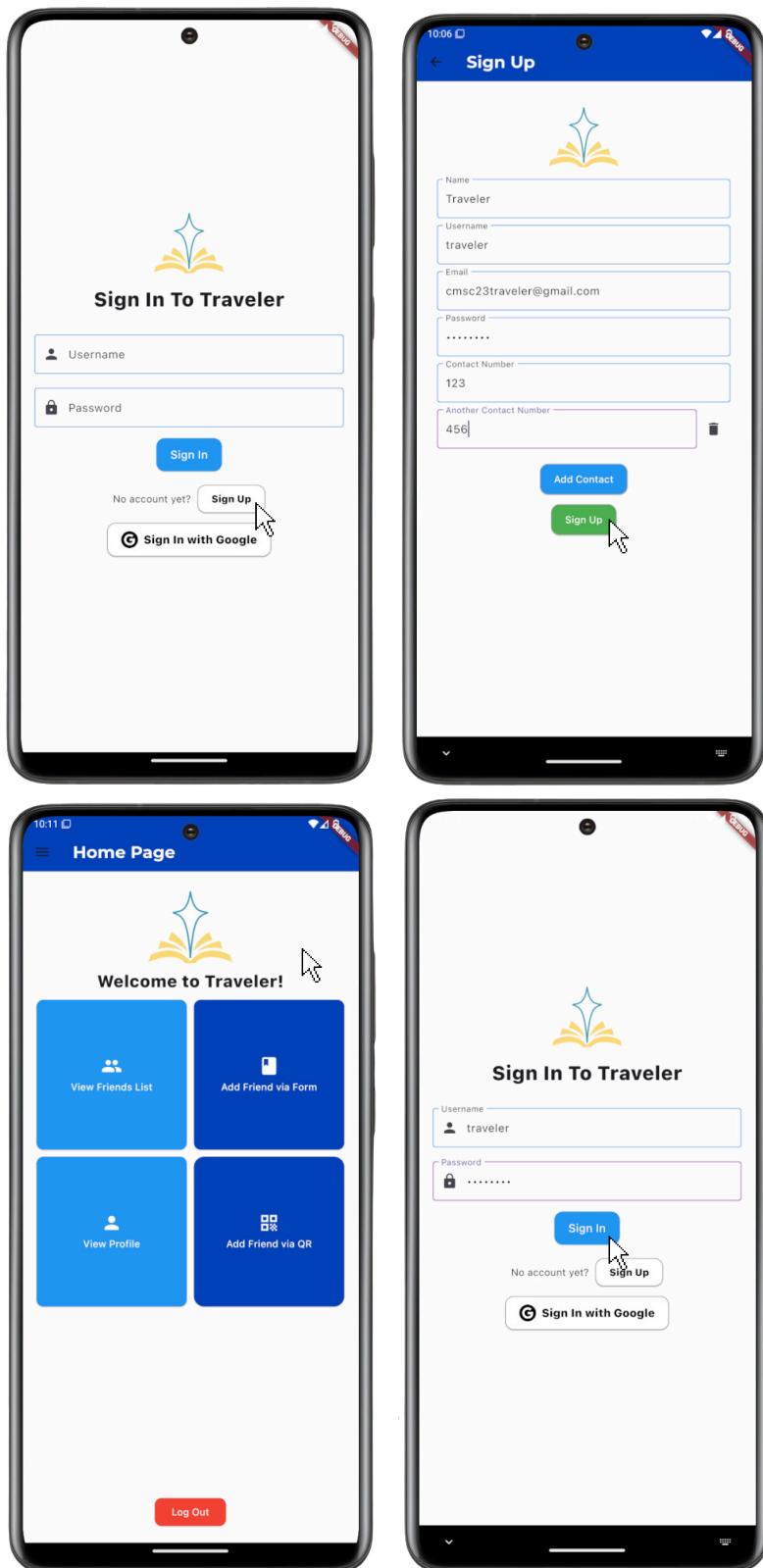
Traveler is a mobile slambook application inspired by Genshin Impact that allows users to add, update, and delete their friends through a slambook form or a QR code. The slambook form contains Visions (Anemo, Cryo, Dendro, etc.) and Mottos that are quotes from various Genshin Impact characters!

Users can also add profile pictures of their accounts and friends. They can verify their friends by scanning a QR code containing their information, preventing any unauthorized modifications to the friend's details. However, the profile picture can still be edited regardless of the friend's status.

This application uses Dart as its programming language, Flutter for its SDK, and Google Firebase for the backend. Firebase Cloud Firestore is used for database collections, Firebase Authentication for user providers, and Firebase Storage for handling profile pictures.

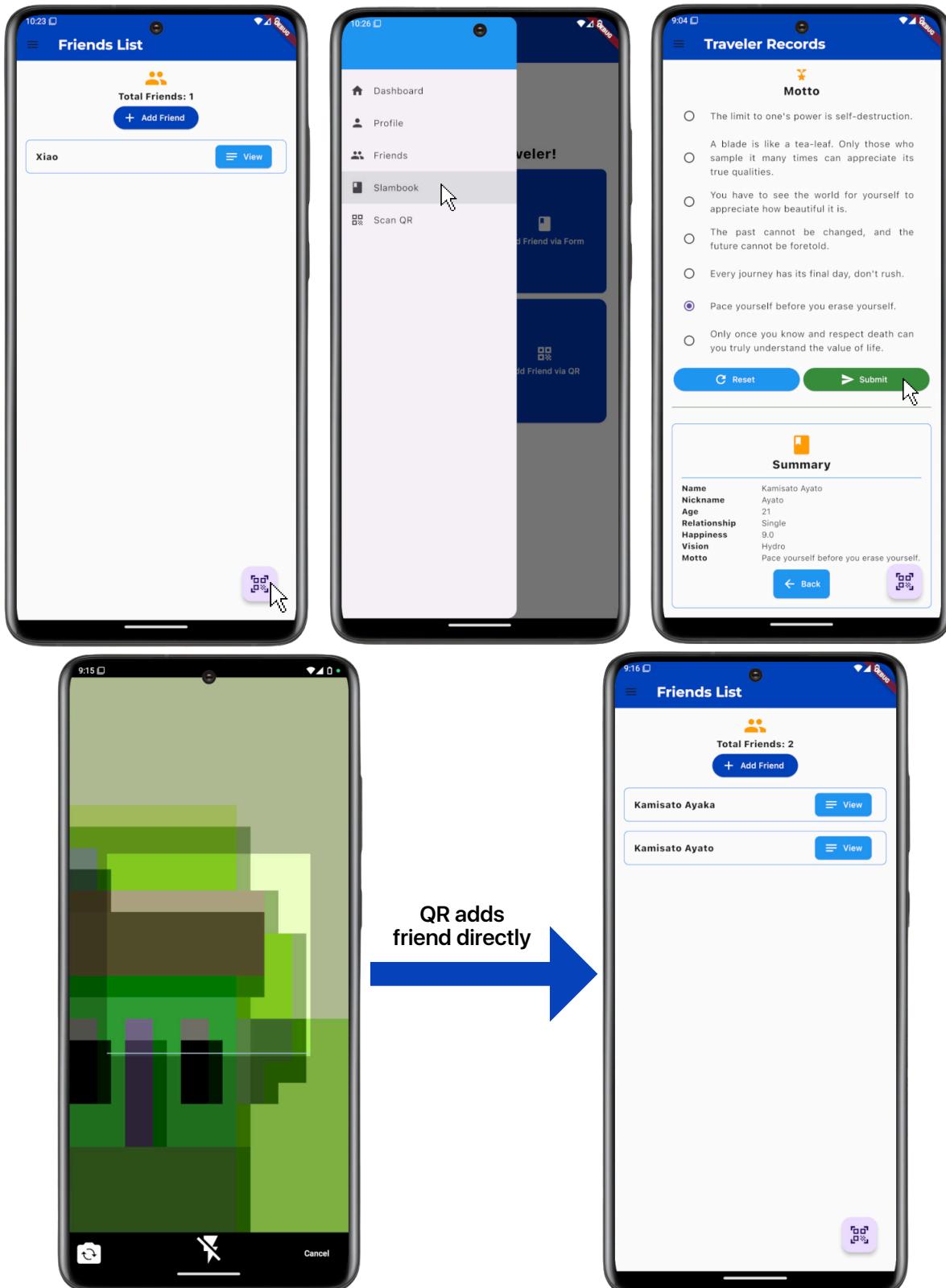
How to Create an Account

- Create an account
- Sign up and input the following:
 - Name
 - Username
 - Email
 - Password
 - Contact Number (can be many)



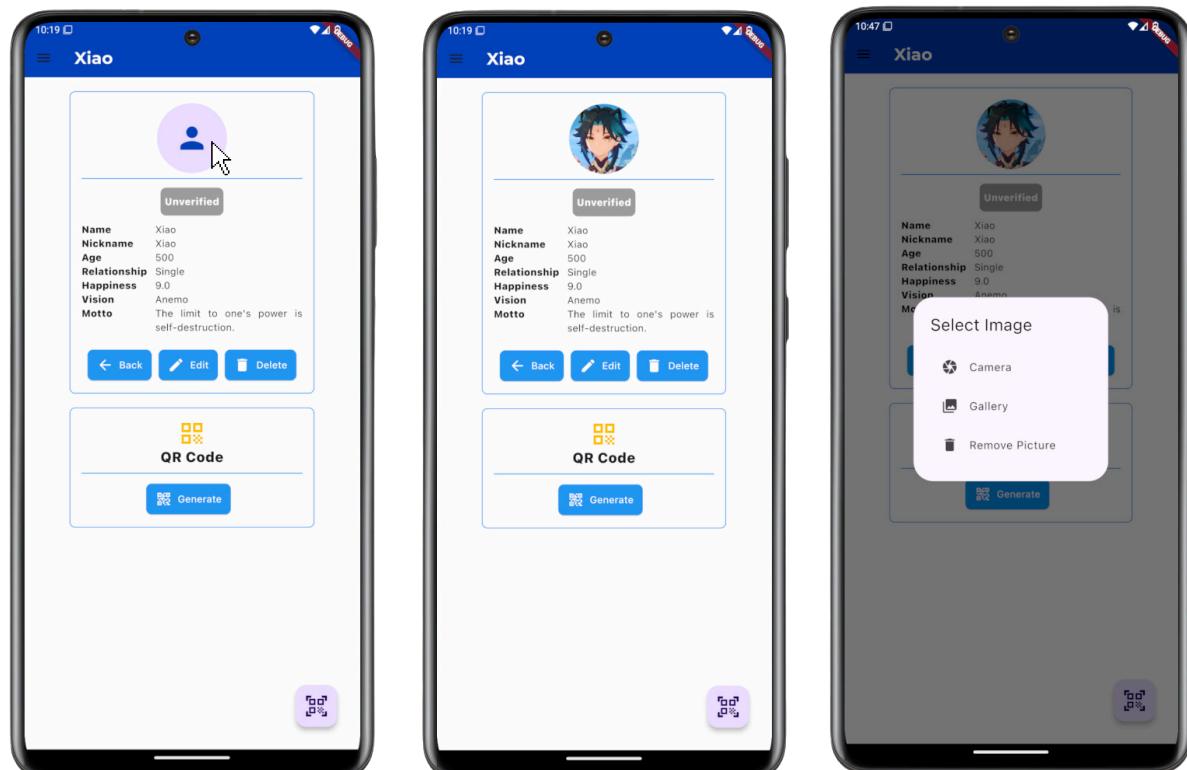
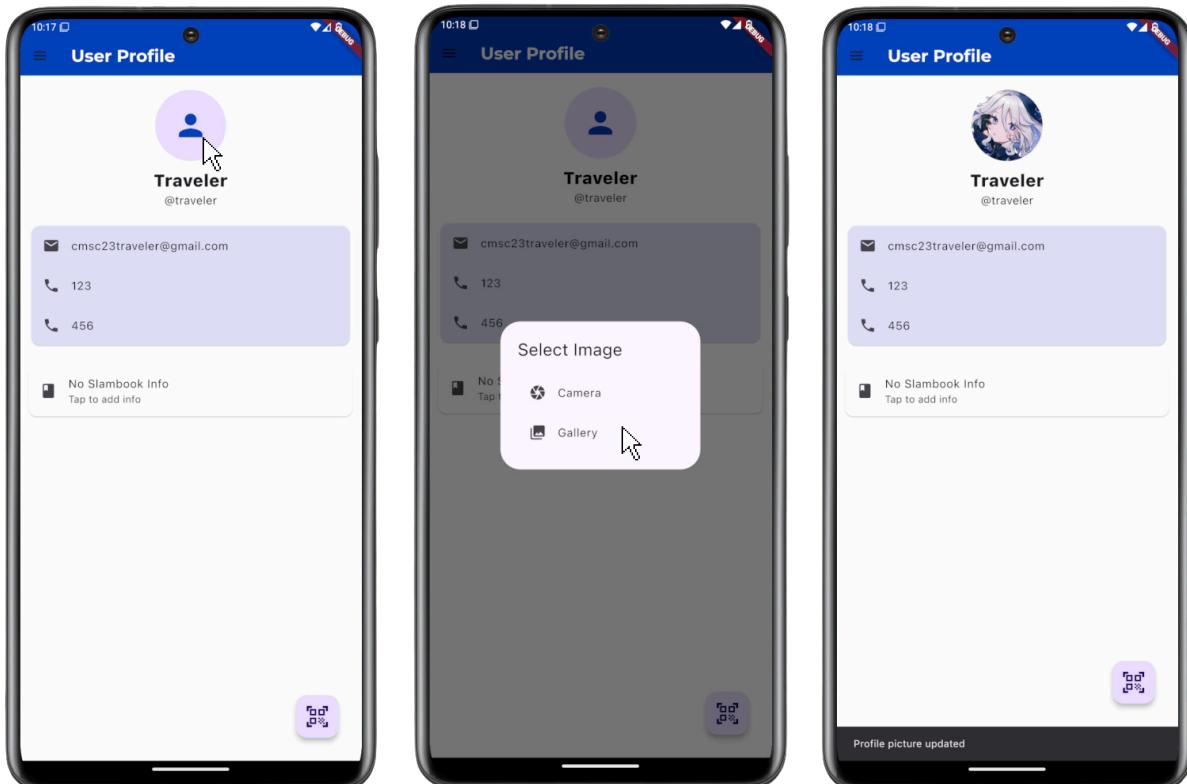
How to Add Friend

- Go to Friends List and Click "Add Friend" or
- From Dashboard, click the "Add Friend via Form" or
- From Dashboard, click the "Add Friend via QR" or
- From Navigation Drawer, click the "Slambook" list or "Scan QR" or
- Click the Floating Action Button (QR Code) from Details Page or Slambook Page



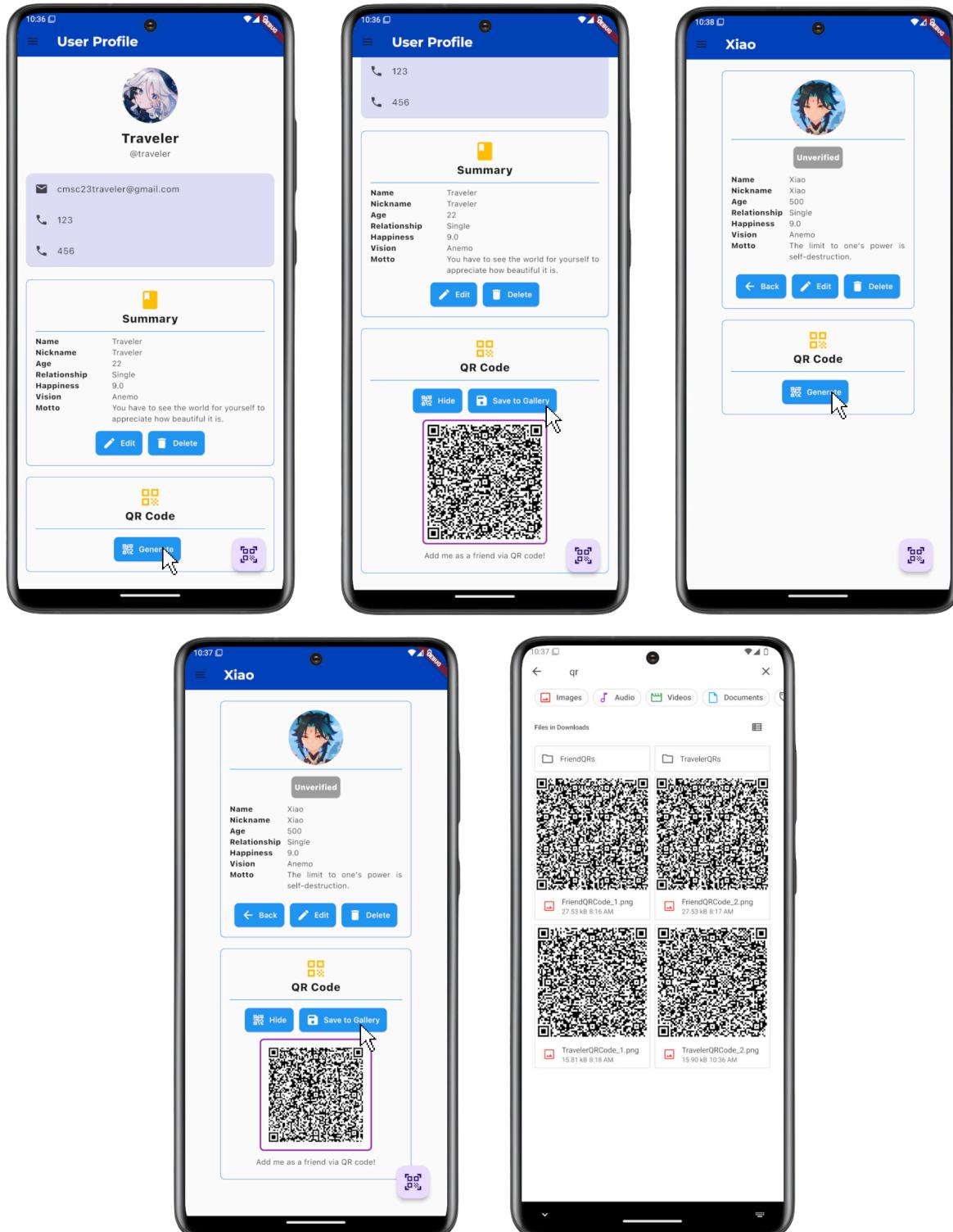
How to Add Profile Picture

- Go to your respective profile or friend.
- Click the circle avatar.
- You can select between camera or gallery.
- Select one.
- If there is an existing picture, you have the option to delete it.



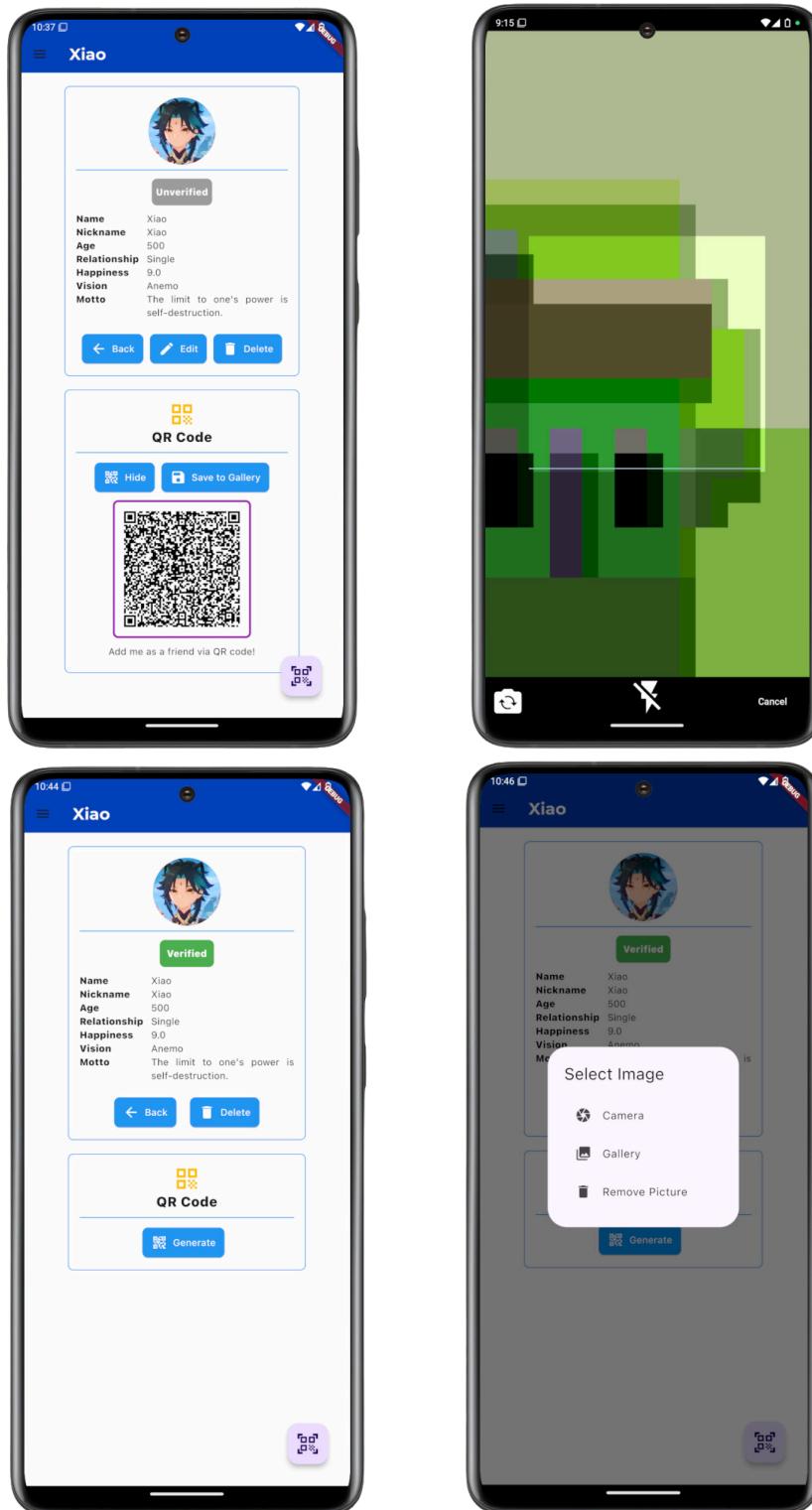
How to Generate and Save QR Code

- Go to your respective profile or friend.
- If slambook data exists, there will be a box below the summary.
 - Click "Generate", the QR code will be visible.
 - You also have the option to hide it.
 - Friend's QR codes will be stored in FriendQRs with FriendQRCode_#.png
 - User's QR codes will be stored in TravelerQRs with TravelerQRCode_#.png



How to Verify Friend

- Go to your respective profile or friend.
- "Generate" a QR code and scan it using the QR Code Scanner Page.
- If the friend is not yet in friends list, the friend will be marked as "Verified".
- If the friend is in the friends list, the QR code containing the data will overwrite the previous data and mark the friend as "Verified".
- Once the user is "Verified", you can no longer edit their details, but you can still change their profile picture.





References

This mini project would not be successful if it were not for the following sources.

Abdullah. (2024). Type “String” is not a subtype of type “Null” in get method flutter. Retrieved from Stack Overflow website: <https://stackoverflow.com/questions/59955033/type-string-is-not-a-subtype-of-type-null-in-get-method-flutter>

Ashutosh, A. (2023). QRScan Flutter: How to scan and generate QR code in Flutter. Retrieved from Blup.in website: <https://www.blup.in/blog/qrsnac-flutter-how-to-scan-and-generate-qr-code-in-flutter>

Cahyadi, G.D. (2024, January 13). Implementing Google Sign-In Authentication in Flutter with Supabase. Retrieved from Medium website: <https://medium.com/@fianto74/implementing-google-sign-in-authentication-in-flutter-with-supabase-acf7f33a98b1/>

Flutterfire. (n.d.). Using Firebase Authentication. Retrieved from Flutter.dev website: <https://firebase.flutter.dev/docs/auth/usage/>

GeeksforGeeks. (2021, January 15). How to Create Dynamic ListView in Android using Firebase Firestore? Retrieved from GeeksforGeeks website: <https://www.geeksforgeeks.org/how-to-create-dynamic-listview-in-android-using-firebase-firestore/>

HoYoLAB - Official Community. (2024). Retrieved from Hoyolab.com website: <https://www.hoyolab.com/article/17186521>

miHoYo. (2020). *Genshin Impact* [Video game]. miHoYo. <https://genshin.mihoyo.com>



References

This mini project would not be successful if it were not for the following sources.

Mustafa, H. (2023). *Flutter Cloud Firestore Tutorial - CRUD (Create, Read, Updated, Delete) Cloud Firestore Guide* [YouTube Video]. Retrieved from <https://www.youtube.com/watch?v=G0rsszX4E9Q>

PandaSuite. (2024, May 28). *Save User Data in Firebase*. Retrieved from Pandasuite.com website: <https://learn.pandasuite.com/article/946-associate-data-to-user-with-firebase>

Pinterest. (2023). *Genshin Impact Icons*. Retrieved from Pinterest website: <https://ph.pinterest.com/aixaortizhuallpa/genshin-impact-icons/>

Sorathiya, N. (2024, February 9). The Ultimate Guide to Flutter Permission Handler. Retrieved from Dhiwise.com website: <https://www.dhiwise.com/post/how-to-implement-flutter-permission-handler>

Tutorialspoint.com. (n.d.). *Dart Programming - Debugging*. Retrieved from Tutorialspoint.com website: https://www.tutorialspoint.com/dart_programming/dart_programming_debugging.htm

Walter, K. (2024). *Getting permission to the external storage*. Retrieved from Stack Overflow website: <https://stackoverflow.com/questions/50561737/getting-permission-to-the-external-storage-file-provider-plugin>