

ARMOR

Covid-19 Safety Protocol Tracker

USER MANUAL

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APK installation.

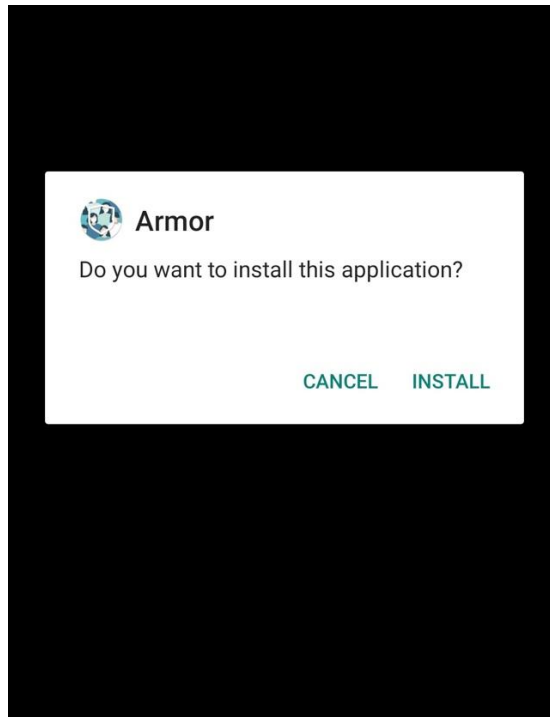


Install unknown apps

Allow from this source



Your phone and personal data are more vulnerable to attack by unknown apps. By installing apps from this source, you agree that you are responsible for any damage to your phone or loss of data that may result from their use.



- To install an APK file on your Android device, you first need to download the APK file which is provided in our GitHub repository.
- Open your device's Settings app and enable "Install from unknown sources" to allow installing apps from outside the Play Store.
- Use a file browser app on your device to find the APK file you downloaded. It is usually in your Downloads folder. Tap on it to initiate installation.
- You may see a warning prompt about installing unknown apps. Check the box that allows you to install apps from the current source and tap Install.
- The Android Package Manager will now install the app on your device. Be patient as this may take a few minutes.
- Once installed, you can open the newly installed app from your device's app drawer or home screen like any other app.

1. Introduction

1.1 Purpose - Armor helps users sustain recommended interpersonal distancing to inhibit infectious disease transmission, especially relevant during the COVID-19 pandemic.

1.2 Key Features

- Proximity Alerts notify users when others encroach within unsafe social distances
- Automated Contact Detection informs of potential exposures while preserving privacy

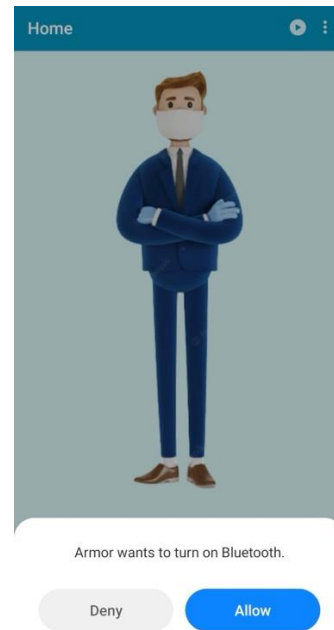
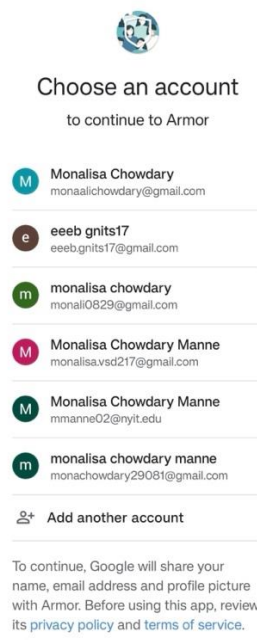
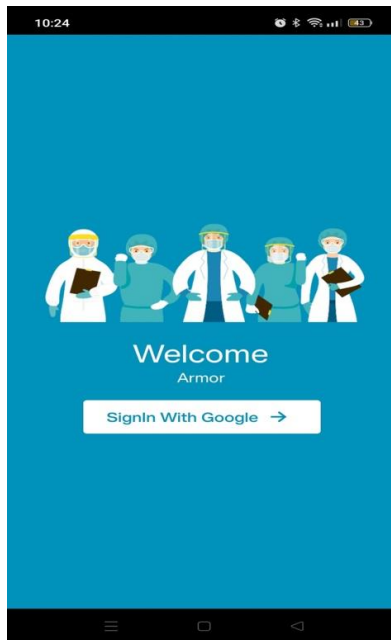
2. Getting Started

2.1 Installation

- Download and install the Armor app
- Open the app after installation completes

2.2 Permissions

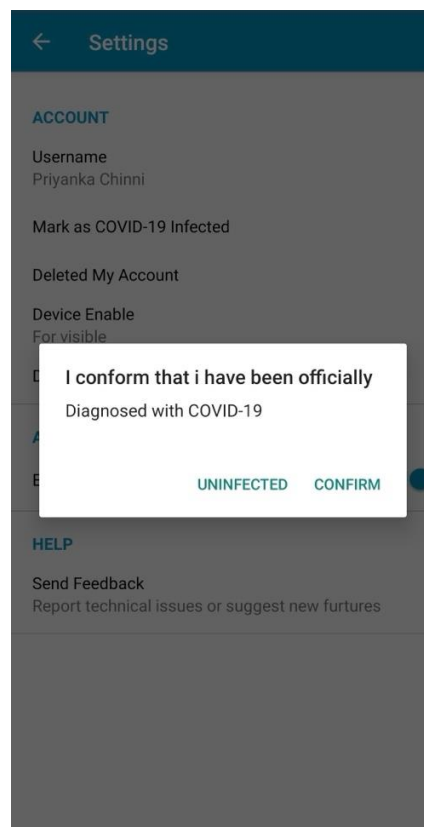
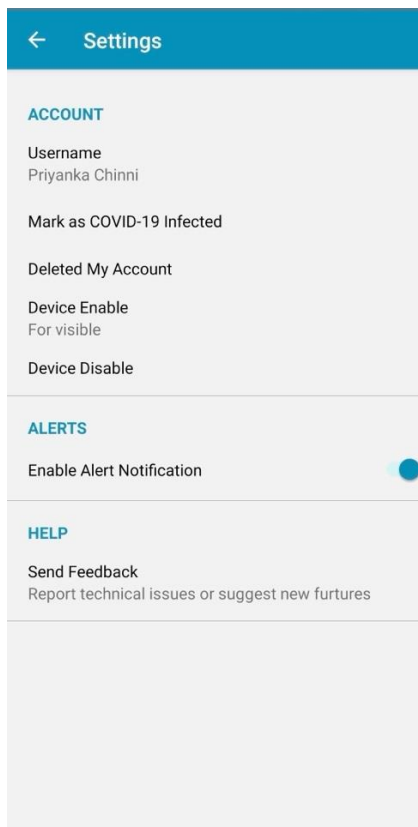
- Location Access - Allows accurately calculating proximity
- Bluetooth - Enables anonymous contact detection capabilities
- Notifications Access - Allows Armor to deliver exposure and proximity alerts



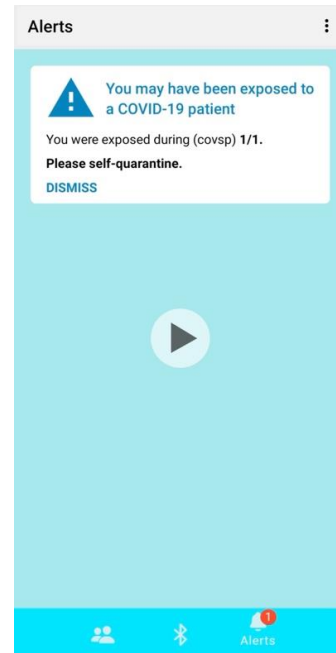
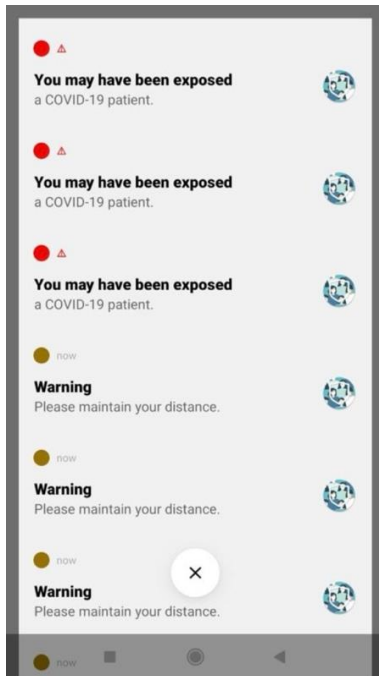
- Upon opening the application, users are greeted with a welcome screen displaying the app name and a "Sign in with Google" button. Tapping this button prompts users to select one of their Google accounts to sign in with. After choosing an account, users successfully register with the app and are asked to grant required permissions such as for Bluetooth and GPS access. It is recommended that users enable these permissions so that the full functionality of the app is available. With permissions enabled, users can now start using the app features after this streamlined Google-based registration process.



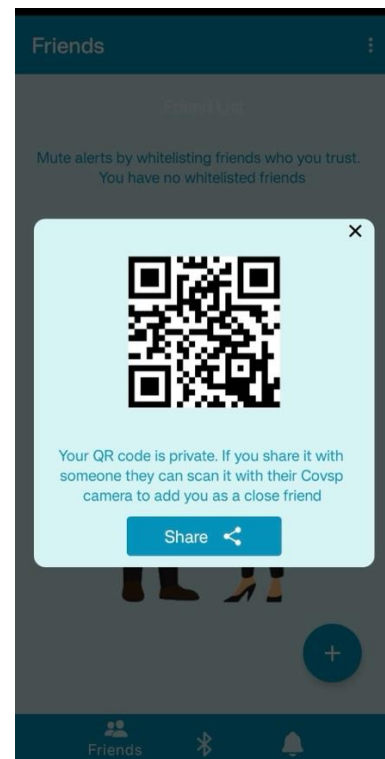
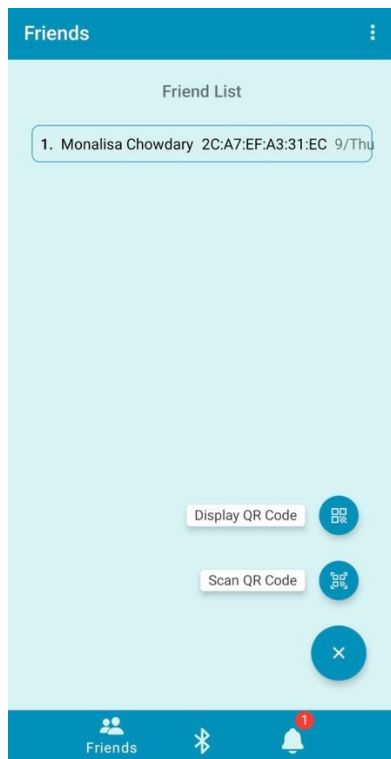
- After signing in, users access three main pages: A Home page, Friends tab, and Alerts tab.
- To enable protection, users tap the "play" button located at the bottom right corner of Home. This triggers an animation indicating the Armor protection has turned on and is actively running in the background, even if users exit the app.
- To disable protection, users tap the corresponding "pause" button in the same bottom right corner of Home.
- Protection remains persistent unless manually disabled. The streamlined background protection allows users to exit the app as needed while staying protected.
- Toggling between the active "play" and disabled "pause" states through the dedicated home screen button provides intuitive on/off control over the key Armor protection feature.



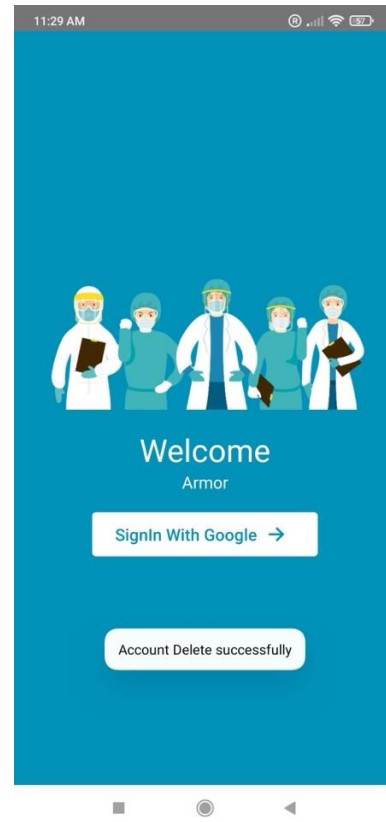
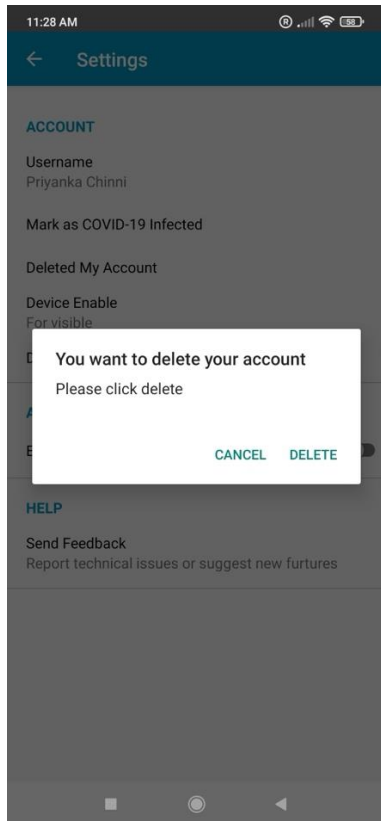
- Via the menu icon on the upper right of Home, users can access Settings options including COVID-19 status updates, account actions, and app notifications.
- Through the "Mark as COVID-19 Infected" setting, users who have tested positive can voluntarily update their status. This uploads their data to the Firebase database so other users potentially exposed within 7 days receive Exposure Notifications.
- Additional Settings selections allow users to delete their account, enable/disable app notifications for items like alerts, and a Feedback channel to submit ideas or suggestions for app improvement directly to the development team.



- Armor provides users two varieties of alerts: Exposure Notifications and Proximity Alerts.
- Proximity Alerts trigger when users encroach within six feet of another app user for an extended interval, breaking recommended distancing guidance.
- Exposure Notifications activate upon determination of recent contact to an Armor user who voluntarily updated their COVID-19 positive status within the past week.
- By selecting the Alerts tab on the bottom navigation bar, users can directly access their notification history which persists for all proximity and exposed alerts.
- The dual alert system allows informing users of both extended person proximity representing higher concern as well as confirmed exposures based on others anonymously disclosing recent positive tests. Tapping the Alerts tab displays user alert history generated from both vectors with the most actionable alerts surfaced first. This empowers users with insights on recent exposures while preserving responder anonymity where desired.



- Users access their friends list by selecting the Friends tab in the bottom navigation bar.
- An "Add Friend" button in the bottom right enables two options: Scan QR Code and Display QR Code.
- Through Scan QR Code, users can add close contacts to their whitelist by scanning others' personal Armor QR codes.
- Display QR Code generates the user's unique QR code for sharing to allow scanning by other users wishing to add them to their friends lists.
- The streamlined QR code system connects the Armor app across friend groups. Rather than needing to enter codes, the scan and display model allows swift community building through visual identification. Users manage all aspects of their private whitelist through intuitive QR interactions, determining who to include or exclude.



To delete your account, navigate to the settings page where you will find a "Delete my account" option. When you click on this option, a pop-up will appear asking you to confirm that you want to delete your account. Two options will be displayed - "Cancel" or "Delete". If you select "Delete", your account will be deleted successfully, and you will be automatically logged out and redirected to the welcome page to sign in with a different account or create a new account. The deletion process is straightforward, requiring only a click on the initial "Delete my account" settings link, followed by a confirmation click on the "Delete" button in the pop-up that appears. Upon completing these two clicks, your account removal will be processed, and you will be sent back to the starting welcome page.