

MyBubble User Manual

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1. Introduction

MyBubble is an application that was developed with the sole purpose of creating more awareness towards the COVID-19 pandemic. It has been designed to provide users with information on the COVID-19 Pandemic such as the amount of deaths or the amount of cases per country, continent and even the world. Secondly, it provides users with an in-app slide demonstration of how to deal with COVID-19, its symptoms and how to protect yourself from it. Thirdly, users can keep up to date with the latest news on the COVID situation by navigating to the news section which displays the top headlines based on the country selected in settings. And finally, the application also offers users the ability to social distance via their phone and will be able to notify a user if he/she is in close proximity to another device.

2. Getting Started

2.1 Installation:

- Download our GitLab repo at <https://gitlab.com/computing.dcu.ie/joycem32/2021-ca326-jmichael-projectmanager>
- Save the repo to a folder of your choice
- Make sure developer mode is enabled on your Android device and USB Debugging is enabled, to enable developer mode you must tap the Build Number of your phone in your “About Phone” section of your phone settings at least 7 times.
- Open the project in Android studio and plug in your Android phone to the computer/laptop via a USB cable.
- Click the run button, which looks like a green play button in the top right corner of the Android studio project and select your android phone as the target device, if you connect your phone it should default to your physical device, otherwise you also have the option of running the app within one of the many emulators that android studio offers.
- The app will automatically install and you can then run the app, if it doesn't open automatically.

2.2 Register:

- On opening the app, a user will be required to register a new account if they haven't done so, if they have they may skip this step.
- The user can do this by clicking “Go to Register” at the bottom of the login screen, which will redirect them to the register page. The user can

then create an account providing a valid email and password. Once the user has clicked register, the details will be sent to the database and stored, allowing the user to now login with those credentials.

The image displays two side-by-side screenshots of the MyBubble mobile application interface, showing the login and registration screens. Both screens feature the MyBubble logo at the top, which consists of a stylized tree, a tent, and a sun.

Left Screenshot (Login Screen):

- Fields for "Email" and "Password" are visible.
- A blue "LOGIN" button is present.
- A link "Go to Register" is circled in black.


Right Screenshot (Registration Screen):

- Fields for "Email", "Password", and "Confirm Password" are visible.
- A blue "CREATE NEW ACCOUNT" button is present.
- A link "Already have an account? Login here" is visible.

2.3 User Details:

- Having registered a new user, you will be prompted to add some additional information which is optional, and does not require any data but it may help for identifying a user.
- This data can be later modified in the settings section, and will display previously entered information.

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Full Name

Mobile Number (Optional)

Address (Optional)

Gender (Optional)

CONFIRM DETAILS

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2.4 Login:

- Having created your account, and filled in your details you may now login. Enter your Email and Password to login, which will then redirect you to the dashboard page.

07:43



Email

Password

LOGIN

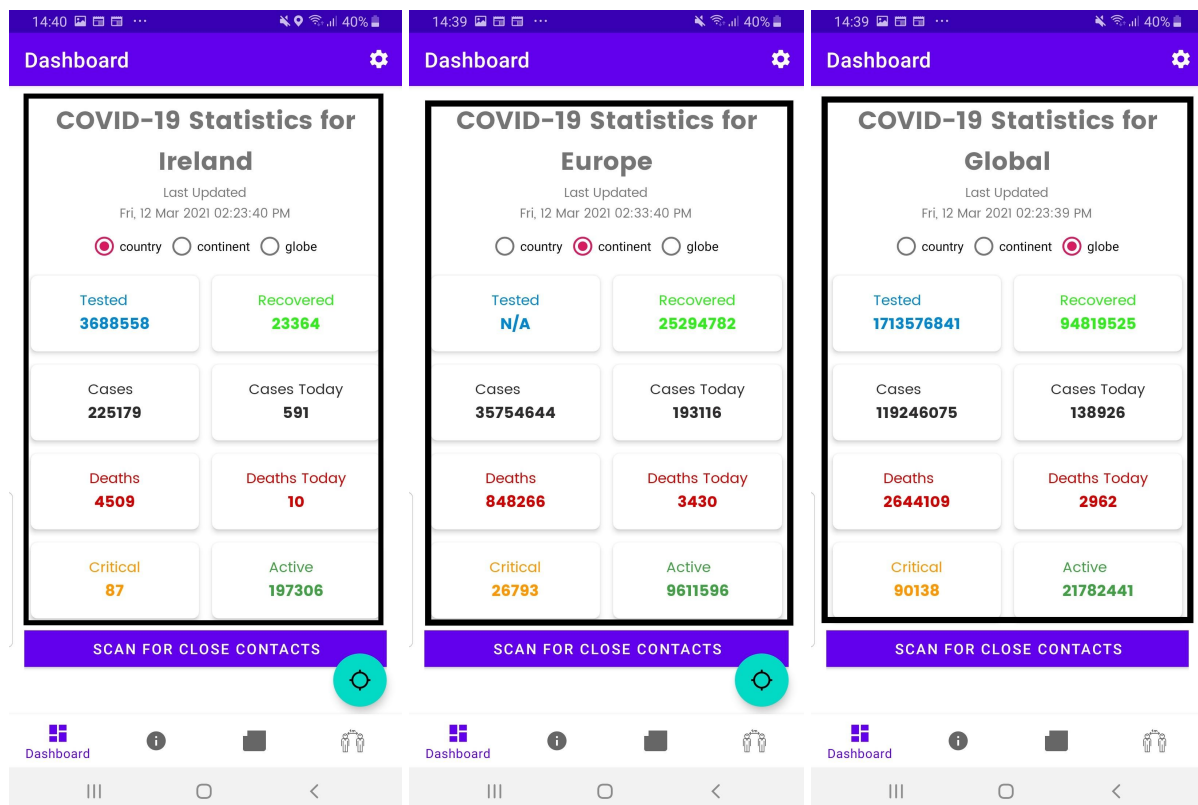
[Go to Register](#)

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3. Dashboard and Navigation

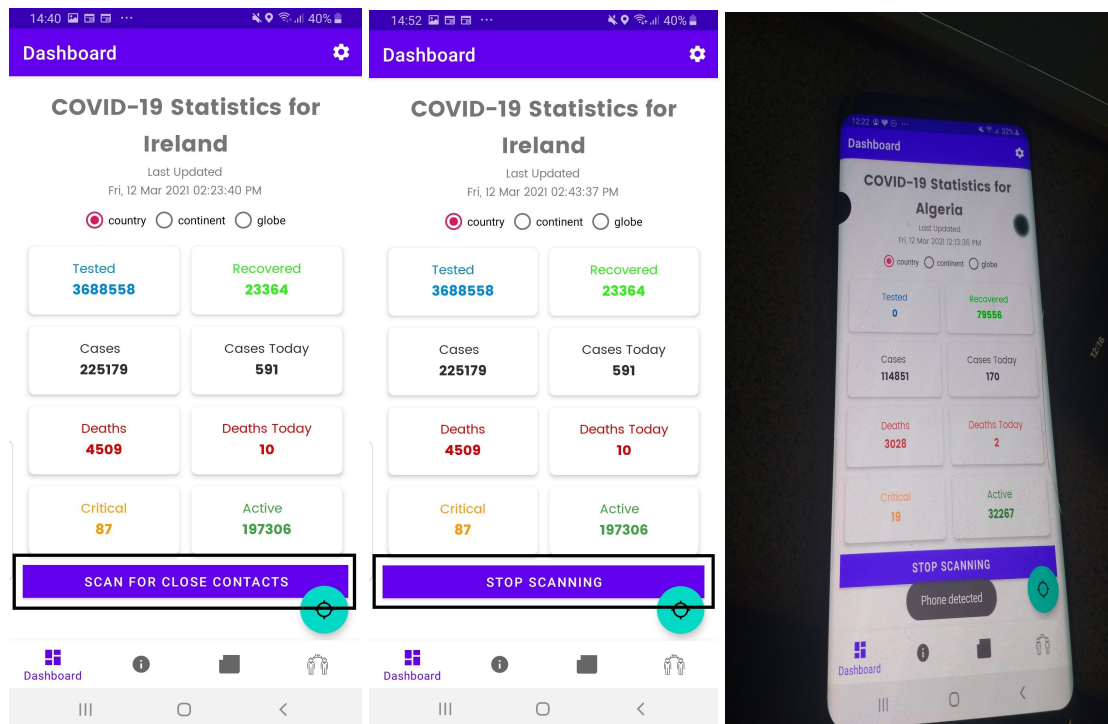
3.1 COVID Stats

- Having logged in, one of the first things to catch the users attention is the COVID-19 Stats dashboard display which will display the currently selected countries stats. Eg. Ireland.
- A user may filter through these stats by clicking on the filter button above the stats switching to globe view and continent view also.



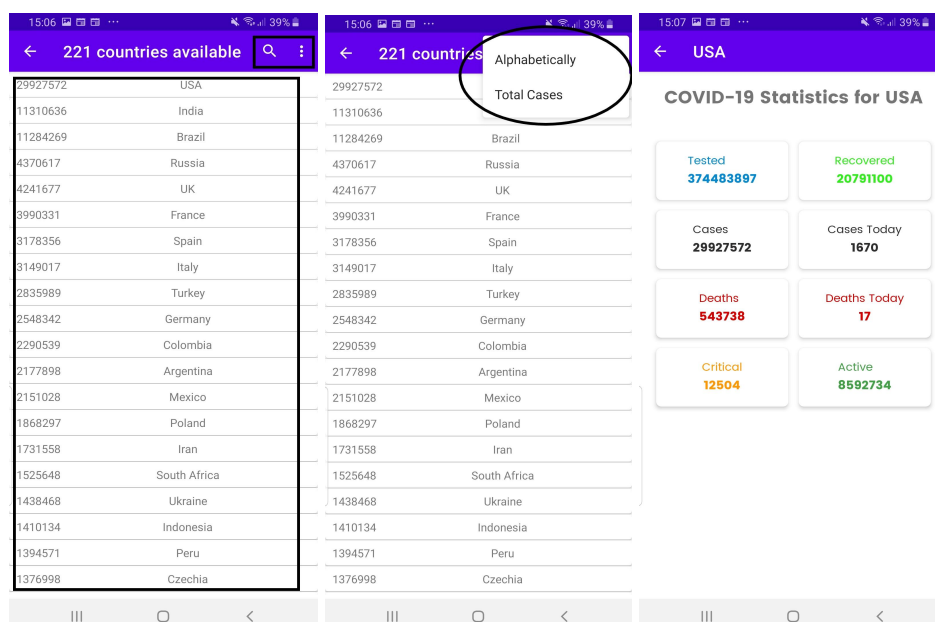
3.2 Social Distance Feature

- Another feature of the dashboard is the Scan for Close Contacts button which will initiate a bluetooth search for nearby devices of anybody that has a registered device with our Application MyBubble.
- It will notify users if a device is within their 2 metre social distance bubble and alert them to move away, both devices will receive this message, later on we will visit the Social Bubble feature, which also takes into account this feature.



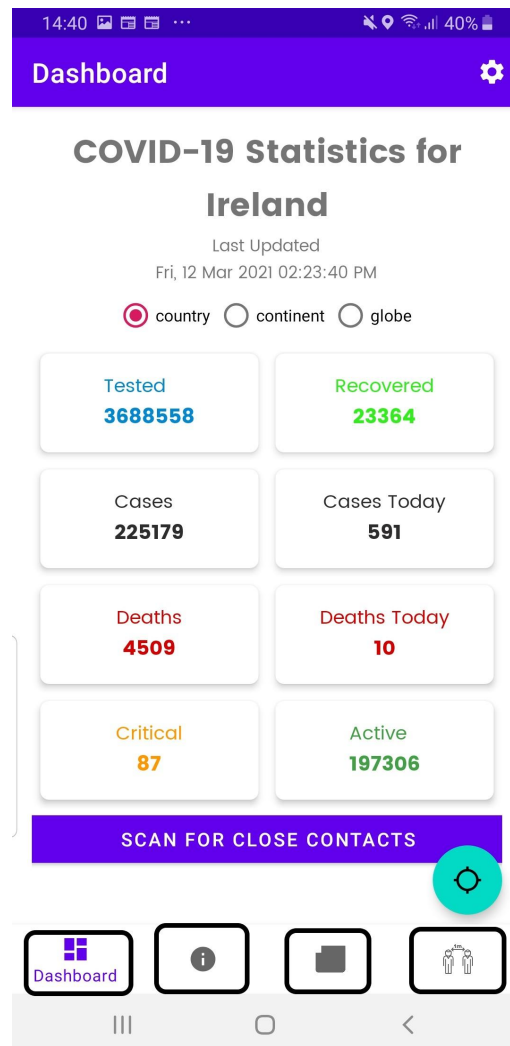
3.3 Floating Action Button (Country Stat summaries)

- The floating action button in the bottom right opens up a list of all the countries of the world that have been infected with COVID-19. A user may click into any country and view the statistics of that country but it will not change the default dashboard country instead that's chosen in settings.
- Users may also opt to toggle for a sort by alphabetically or by total cases, when viewing this list.



3.4 Navigation

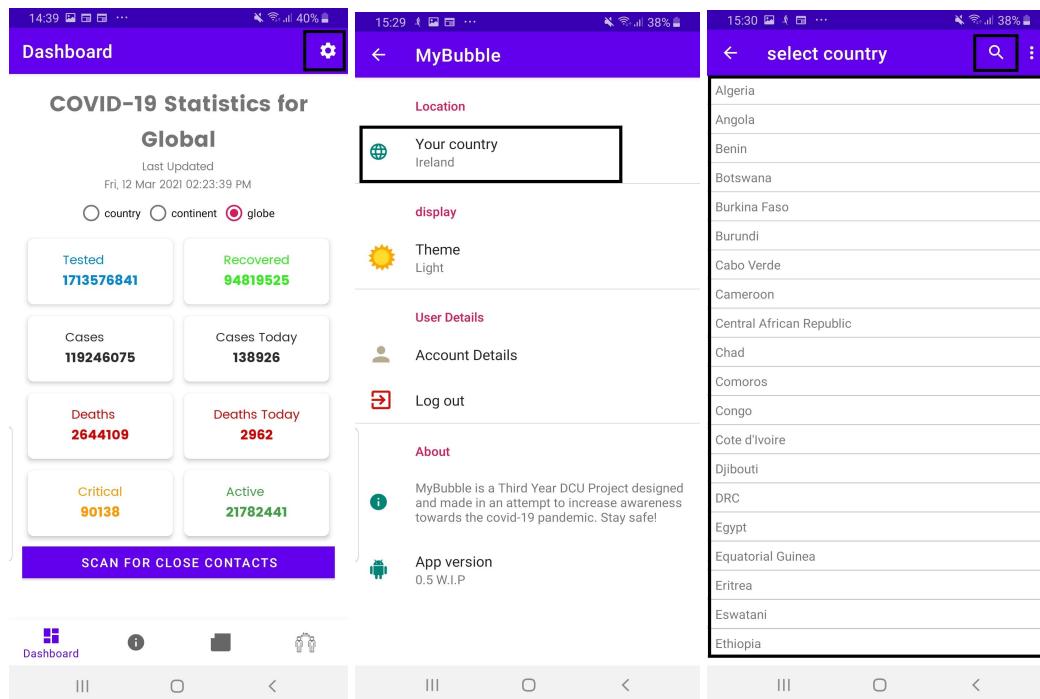
- A big part of every app is a navigation system to get a user easily from A to B. Within our app, a user may navigate through a bottom navigation system which will allow them to switch pages by just clicking through each icon.
- Once a new page is opened, the icon will highlight to the primary colour purple and display the page.



4. Settings

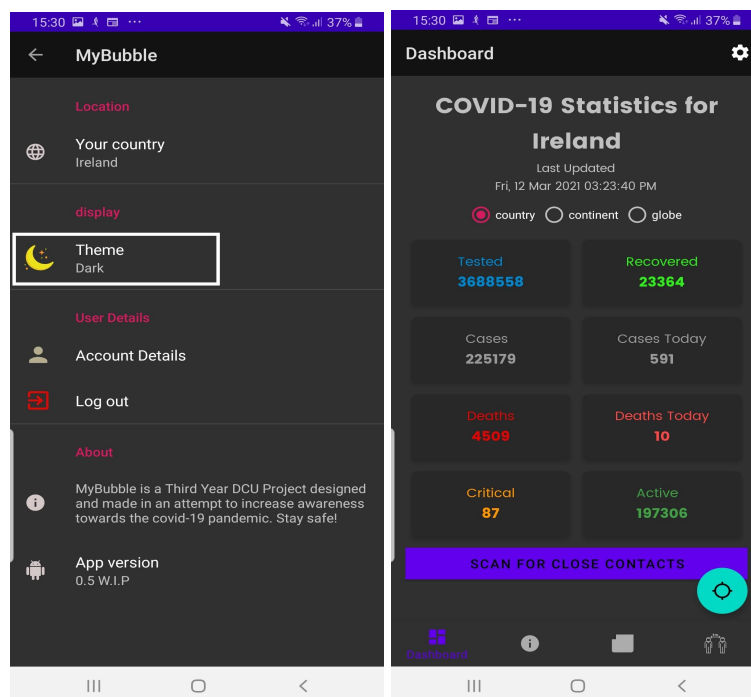
4.1 Select default Country

- Opening up the settings page will display a linear list of preference settings which will allow a user to modify certain settings. As such the first of the list is selecting their default country.
- The default country sets the news you see and the stats displayed to you on the dashboard.



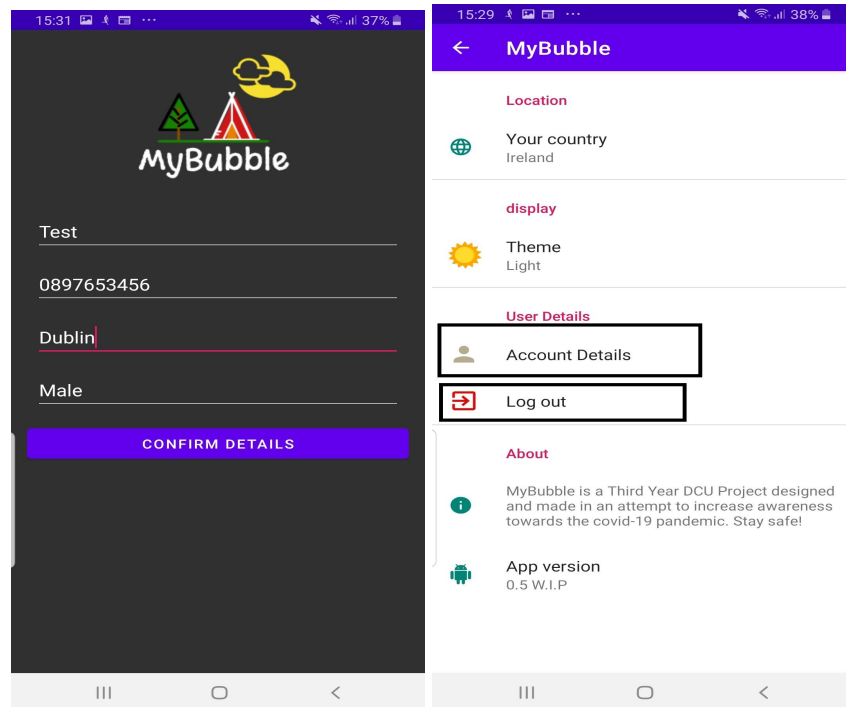
4.2 Select App Theme

- A small but required aesthetic for most applications these days is being able to switch between a light theme and dark theme, almost every application has implemented this. As such we have offered users the ability to do so too. Switching between the themes you will notice different variations of images and colours.



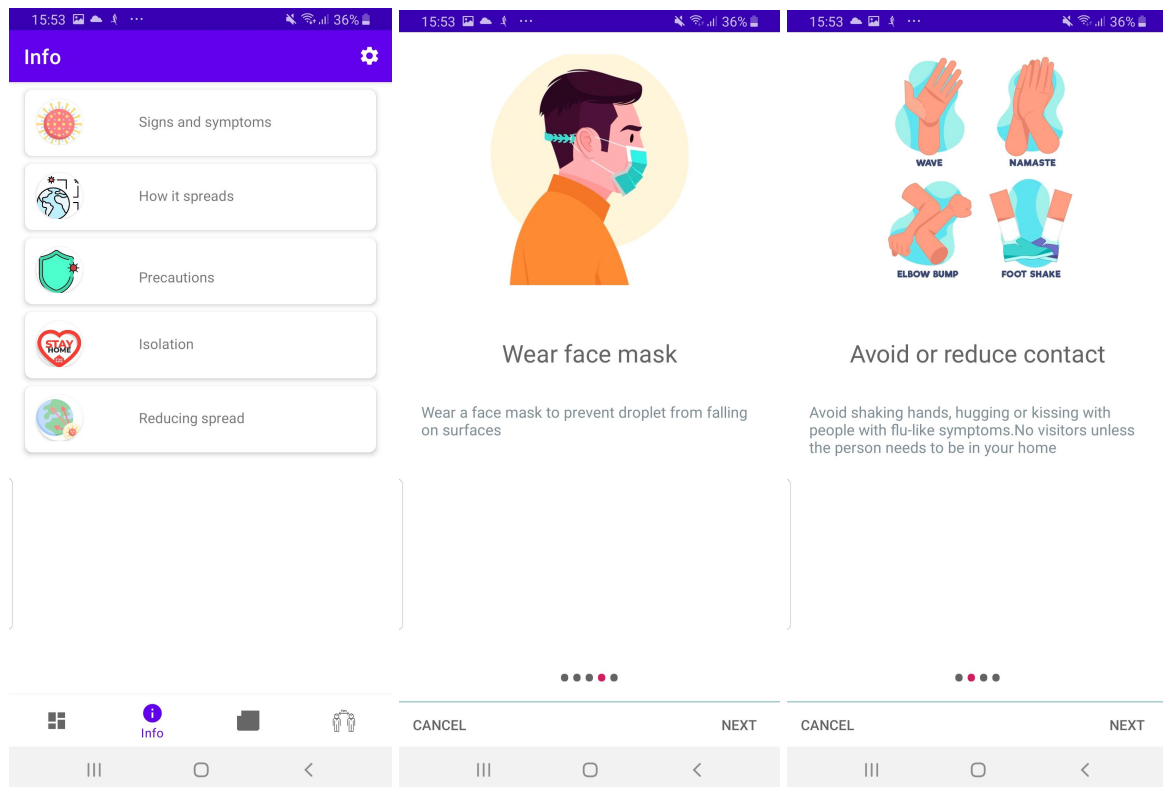
4.3 View Account Details and Logout

- As mentioned previously, a user may edit their details or add new ones if they wish or remove what they had previously. These details are optional but can be changed.
- A user may also logout if they wish which will redirect them to the login page.



5. Information page

- The information page informs users of the many symptoms of COVID-19, how to fight it, how to stop the spread, how to quarantine and also the precautions to battle it.
- Each section is shown in a slideshow fashion, where users may flick through each slide or use the next button and may cancel at any time to backout.



6. News page

- The news page is aimed at keeping users informed about the current climate of COVID-19, vaccine updates, new strains and anything else related to COVID-19.
- A user may opt to view others countries news by switching their default country in settings which will in turn return the top headlines from the selected country.
- Pressing on Read More on a news article will open up the full news article on the sources website.

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22 further Covid-related deaths reported in Northern Ireland - Irish Examiner

Source : Irish Examiner
Author : Michael McHugh, PA
Date : Fri, 12 Mar 2021




There have been a further 22 coronavirus-related deaths recorded in Northern Ireland, 18 of which occurred in the past 24 hours, official statistics have showed.The overall total of fatalities has no... [+1325 chars]


READ MORE


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News



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22 further Covid-related deaths reported in Northern Ireland - Irish Examiner

Irish Examiner




Swiss propose allowing open-air events in latest COVID-19 relaxation - Yahoo Finance

Yahoo Finance

Making the drive for the vaccine - 41 Action News

Google News



Switch to Plant-Based Diet Can Cut Your Odds for Stroke - HealthDay News

Healthday.com

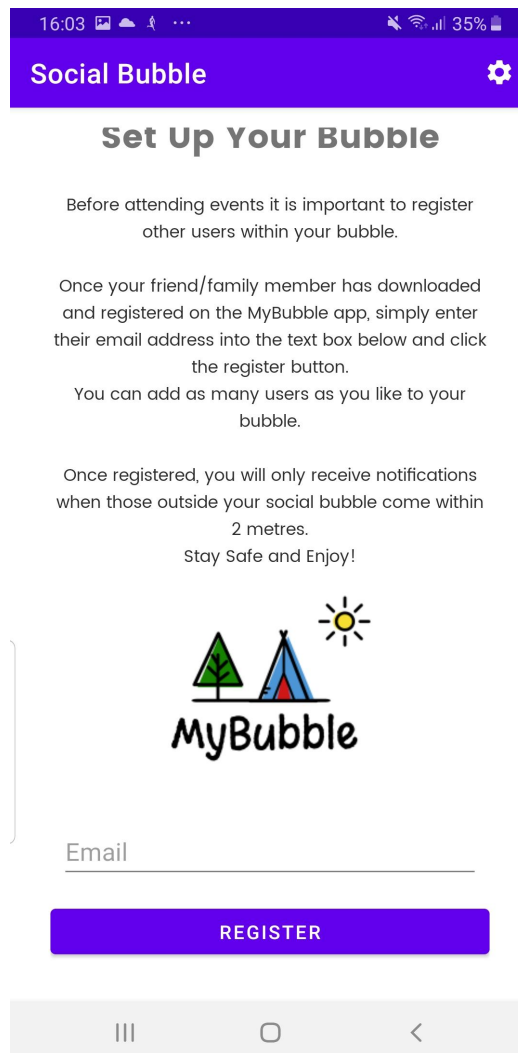
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News

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7. Social Bubble

- As mentioned within the Social distancing feature, the social bubble is a sub feature of this which allows users to opt to add their friends to their social bubble.
- All that's needed is their email address and then users will no longer be notified when their friend / family enters their social bubble.



The screenshot shows the 'Social Bubble' setup screen of the MyBubble app. At the top, a purple header bar contains the text 'Social Bubble' and a settings gear icon. Below the header, the title 'Set Up Your Bubble' is centered. The main content area contains three paragraphs of instructional text, followed by the MyBubble logo (which includes a tree, a tent, and a sun). Below the logo is an 'Email' input field and a prominent purple 'REGISTER' button. The bottom of the screen shows the standard Android navigation bar with back, home, and recent apps icons.

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Social Bubble

Set Up Your Bubble


Before attending events it is important to register other users within your bubble.

Once your friend/family member has downloaded and registered on the MyBubble app, simply enter their email address into the text box below and click the register button.

You can add as many users as you like to your bubble.

Once registered, you will only receive notifications when those outside your social bubble come within 2 metres.

Stay Safe and Enjoy!



Email

REGISTER