

MOBILE APP FOR PUBLIC SAFETY

IT 691 – CAPSTONE PROJECT

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PUBLIC SAFETY MOBILE APP

THIS APP SERVICE IS ENABLING PEOPLE TO SHARE INTELLIGENCE ABOUT DAILY NEARBY INCIDENTS IN THE CITY WHICH REQUIRED IMMEDIATE MEDICAL ASSISTANCE.

BY SHARING THE NEARBY CRITICAL INCIDENT EXPERIENCES MAY HELP OTHERS SAFETY AND ALSO CONNECT WITH FELLOW PEOPLES AND ENHANCE PUBLIC SERVICES.

AS THIS SYSTEM CAPTURE THE NEARBY REPORTED INCIDENTS AND PROVIDE NOTIFICATION TO FIRST RESPONDER & PROFESSIONAL USERS BASED ON THEIR LOCATION. SO, IT HELPS TO STIMULATE COMMUNICATION, COOPERATION, RECIPROCITY AND SOCIAL COHESION BETWEEN ALL USERS IN ORDER TO MAKE THE APP USEFUL.

HERE PROFESSIONAL USER'S ARE CERTIFIED OFF-DUTY PROFESSIONALS AS WELL AS FIRST RESPONDERS WHO ARE WITHIN THE AREA OF THE PATIENT AND CAN EXPEDIENTLY PROVIDE LIFESAVING MEASURES BEFORE EMERGENCY MEDICAL RESPONDERS ARRIVE. THE SECONDARY GOAL OF THIS APPLICATION WILL BE TO PROVIDE FIRST RESPONDERS WITH A MORE ACCURATE LOCATION OF THE PATIENT IN NEED BY UTILIZING GLOBAL POSITIONING SYSTEM TECHNOLOGY

PRIVACY APP LINK :- HTTPS://PUBLIC-UNITY-SAFETY.FLYCRICKET.IO/PRIVACY.HTML

CODE SHARED AT :- HTTPS://GITHUB.COM/PACE-UNIVERSITY-CAPSTONEPROJECTS/TEAM10--CS691-692-IT691-SPRING-2020

PUBLIC SAFETY MOBILE APP

FLUTTER :- FLUTTER IS GOOGLE'S MOBILE APP SDK WHICH HAVE COMPLETE FEATURES WITH A FRAMEWORK, WIDGETS, AND TOOLS. ITS EASY TO BUILD AND DEPLOY FAST AND ALSO DEVELOPMENT CAN DONE ON BOTH ANDROID AND IOS PLATFORMS SIMULTANEOUSLY.

USER AUTHENTICATION: FLUTTER PROVIDE AUTHENTICATION LIBRARIES AS A COMMON TASK PUT ON MOBILE APPS.

DART LANGUAGE :- DART IS GOOGLE'S MODERN PROGRAMMING LANGUAGE SINCE 2011.ITS INTERMEDIATE WITH OBJECT ORIENTED PROGRAMMING AND GENERICS.

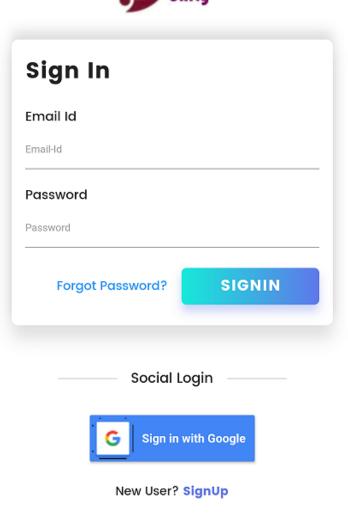
FIREBASE: TO SETUP AND STORE CRUD OPERATIONS.

GEOLOCATOR/GEOLOCATION PLUGIN :- THIS FLUTTER GEOLOCATION PLUGINS HELPFUL TO TRACK SPECIFIC LOCATION OF PROVIDE NOTIFICATIONS ON NEARBY INCIDENTS.

SIGN IN PAGE

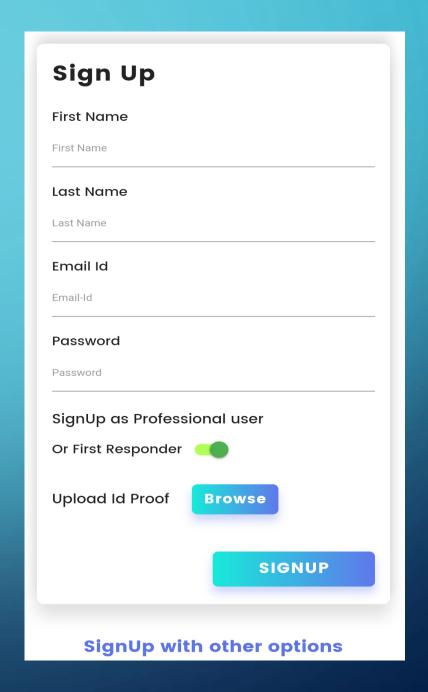
OPTION TO SIGN IN WITH EMAIL-ID OR GOOGLE SIGN-IN





SIGN UP

OPTION TO SIGN UP AS FIRST
RESPONDER/PROFESSIONAL OR
CIVIL USER





DISCLAIMER

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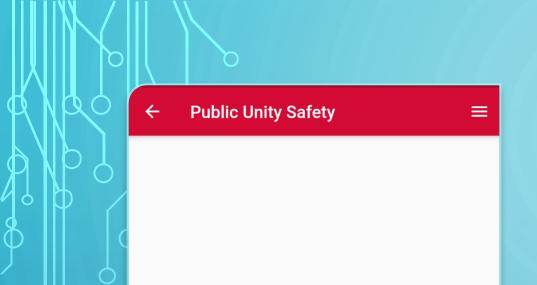
Only use this application when safe to do so during emergency situations.

Dial 911 to report your emergency immediately.

Only use this application when safe to do so during emergency situations.

DISCLAIMER PAGE

TO MAKE SURE THIS APP IS NOT FOR EMERGENCY

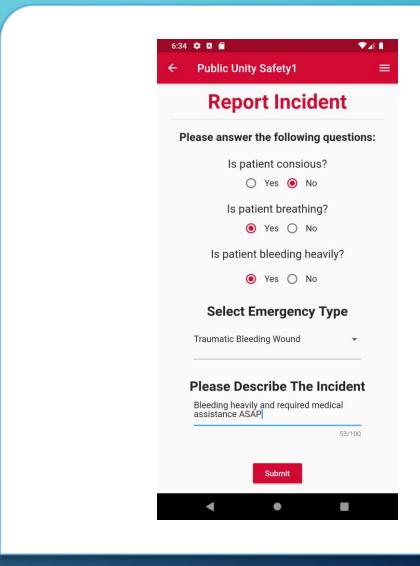


LANDING PAGE OF CIVIL USER

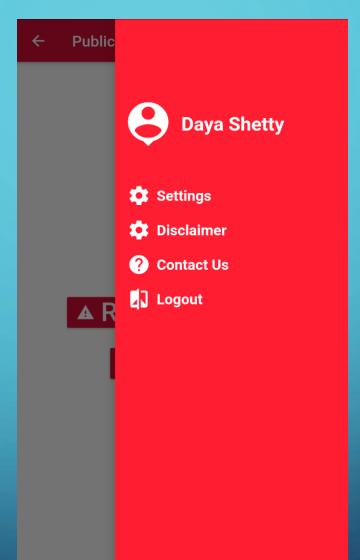
▲ Report Incident

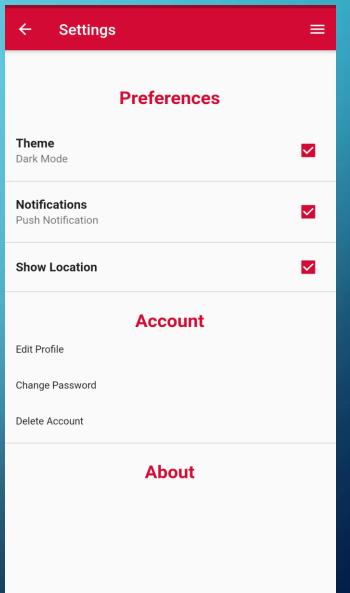
Call 911

REPORT AN INCIDENT

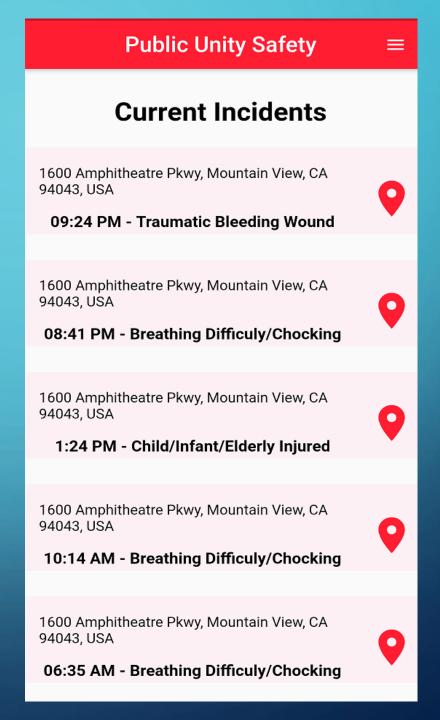


SETTING PAGE





FIRST RESPONDER LANDING PAGE



Public Unity Safety



Incidents Details

1600 Amphitheatre Pkwy, Mountain View, CA 94043, USA

09:24 PM - Traumatic Bleeding Wound

Emergency Description: Bleeding heavily and required

medical assistance ASAP

Patient Breathing: Yes Patient Conscious: No

Patient Bleeding Heavily: Yes

Medical Emergency Type: Traumatic Bleeding Wound

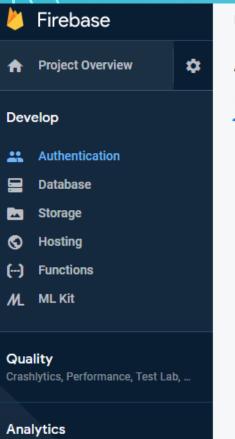


FIRST RESPONDER INCIDENT DETAILS

HERE, FIRST RESPONDER CAN SEE FULL DETAILS OF PARTICULAR REPORTED INCIDENT DETAILS. OPTION TO EASILY NAVIGATE TO THE INCIDENT LOCATION



FIREBASE AUTHENTICAION



Dashboard, Events, Conversions, Au...

Public Unity App 🔻

Authentication

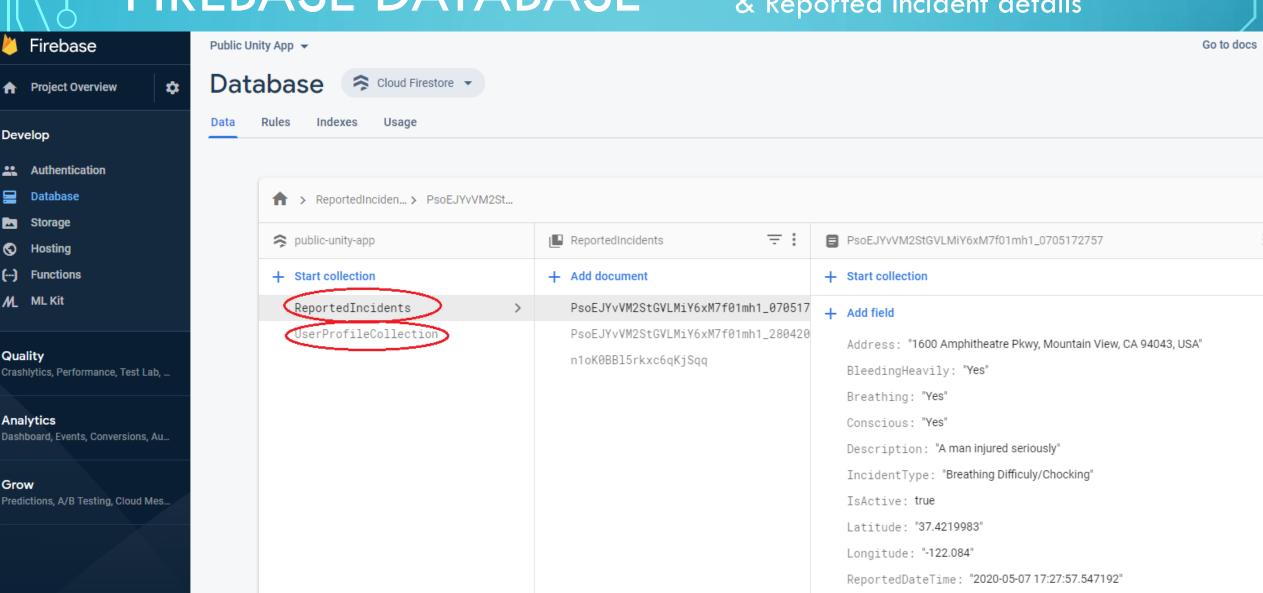
ers Sign-in method Templates Usage

Q Search by email address, phone number, or user UID Add user				
Identifier	Providers	Created	Signed In	User UID ↑
playstorecnx13@gmail.com	\simeq	May 3, 2020	May 3, 2020	L6C7zVkotOOZeTqKUfOvw7Mf1tm1
dd8shetty@gmail.com	\searrow	Apr 28, 2020	May 7, 2020	OvEdT5Lu4rWbGShG6A0DykJoQdI3
dd1shetty@gmail.com	\searrow	Apr 23, 2020	May 7, 2020	PsoEJYvVM2StGVLMiY6xM7f01m
ervinbishop.66120@gmail.c	G	Apr 29, 2020	Apr 29, 2020	duvhSoSocXgNgQgxLzS8YZQnqwl2
			Ro	ows per page: 50 ▼ 1-4 of 4 < >

FIREBASE DATABASE

Registered user Collection & Reported Incident details

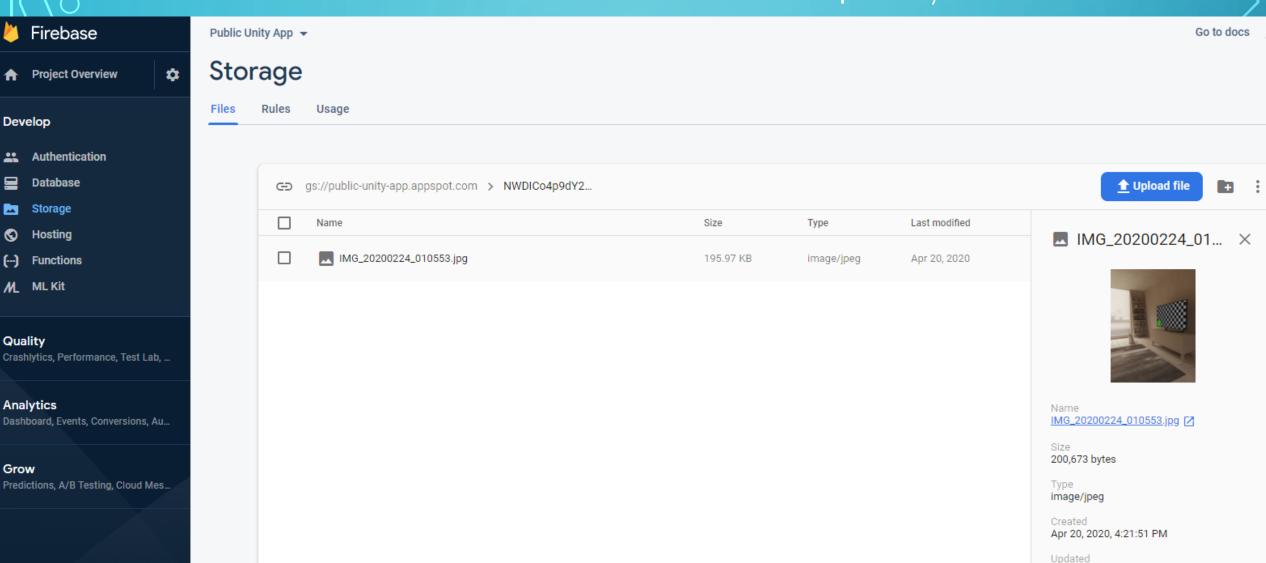
Time: "5:27 PM"



FIREBASE STORAGE

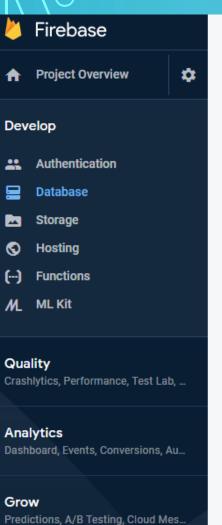
Id Proof validation provided by First Responder/Civil User

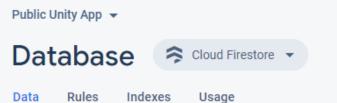
Apr 20, 2020, 4:21:51 PM

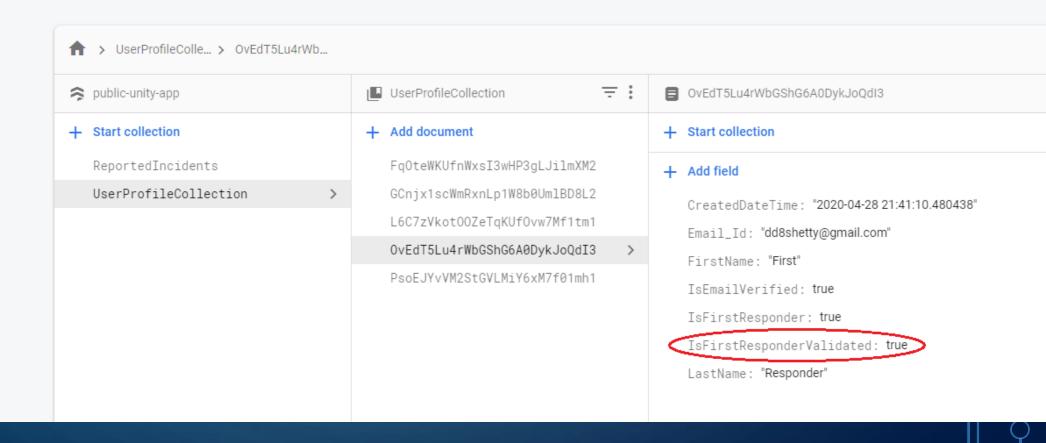


FIREBASE STORAGE

First Responder/Civil User are set to login only after IsFirstResponderValidated set to TRUE







Verify your email for Public Unity Firebase Index X



noreply@public-unity-app.firebaseapp.com

to me 🔻

Hello Daya Civil,

Follow this link to verify your email address.

If you didn't ask to verify this address, you can ignore this email.

Thanks,

Your Public Unity Firebase team



Reply

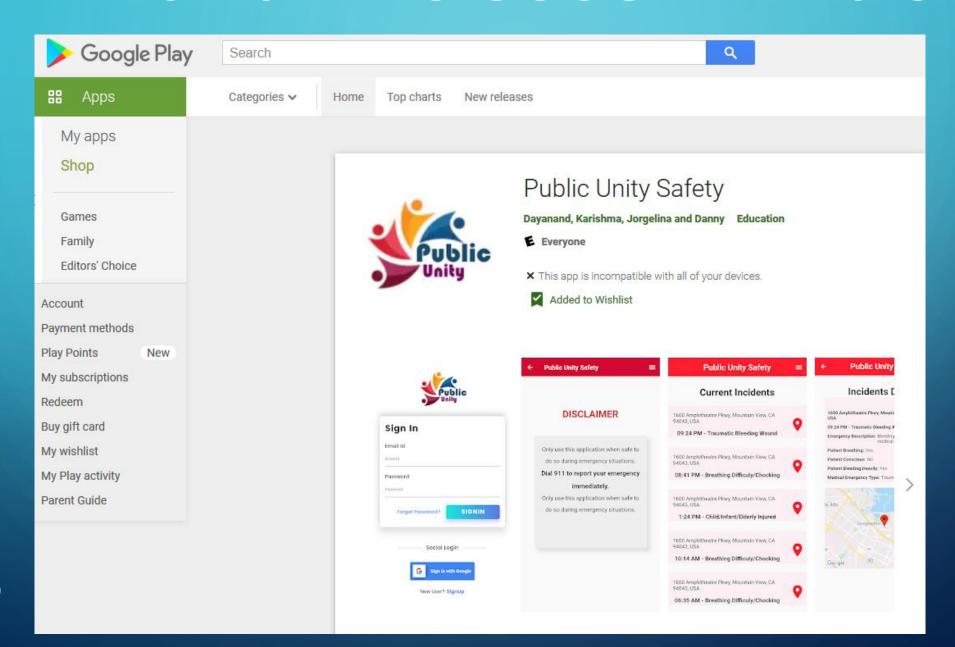


VERIFY EMAIL AFTER REGISTRATION TO OUR APP



RESET PASSWORD

» APP PUBLISHED TO GOOGLE PLAY STORE



THANK YOU

ANY QUESTIONS?