MIT APP INVENTOR

DISASTER ALERT

D!saster Alert

By: Niraj Gupta

SUMMER APPATHON

OVERVIEW

- **App Name:** Disaster Alert
- **App Description:** This app helps people to check nearby disaster and alerts them to not go by that area by providing the exact location. The app gathers disaster information by local people of particular disaster area.
- **Track:** Adult Individual
- **Category:** Climate & sustainability

THEME

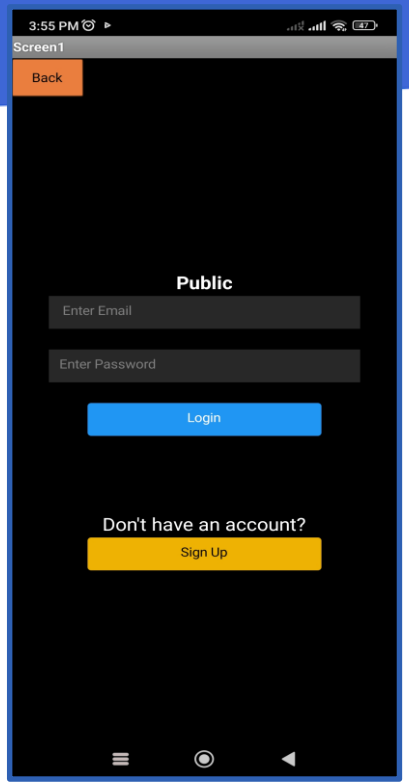
In 100 words or less, describe the problem that you chose to address, and why you were interested in solving it. Please note that this portion of your submission will be published if you are selected as a finalist or winner.

Nepal is one of the most disaster-prone countries. Every year, due to landslides and floods, the roadways get blocked and take a minimum of one day to repair. As a result, lots of people get stuck in huge traffic. If people know about the disaster before starting their journey, they can choose an alternative route that will save both lives and time.

Also, Nepal doesn't have a proper monitoring system for disasters. To address the issue, local people in the particular disaster-prone area can act effectively to provide them with information through the app, which will again save money and time.

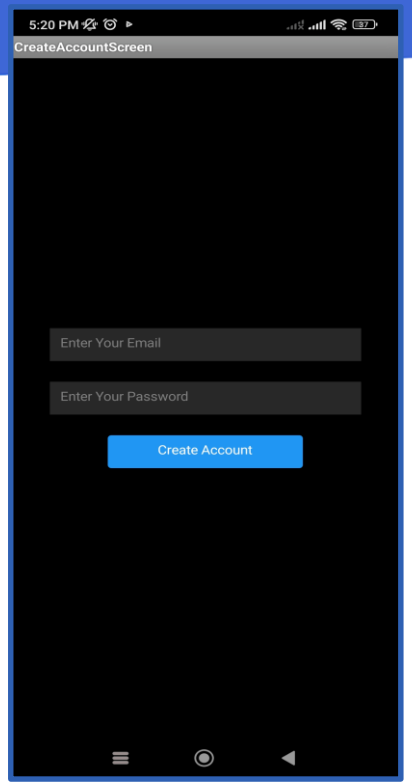
INSTRUCTIONS

Step 1: choose button according to who the user is



Step 2: fill in the details with email and password and if no account then click on sign up

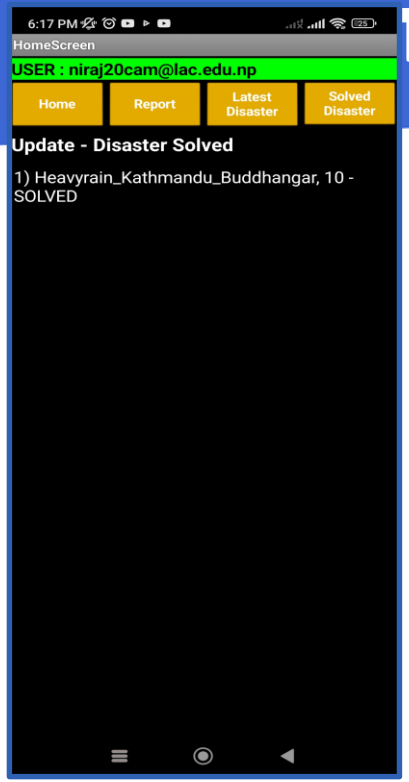
Only when user clicks sign up btn



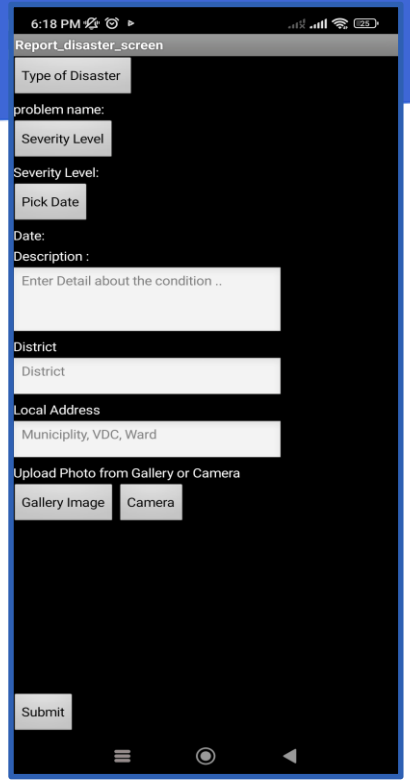
Step 3: enter email and new password, then account is created. Check email for verification link

Note: Login and create account screen. Make sure to use correct Public/Government button in order to login and verify email after creating a new account.

TION



Step 4: Home Screen is where any solved disaster is displayed . It contains report, latest disaster, solved disaster button

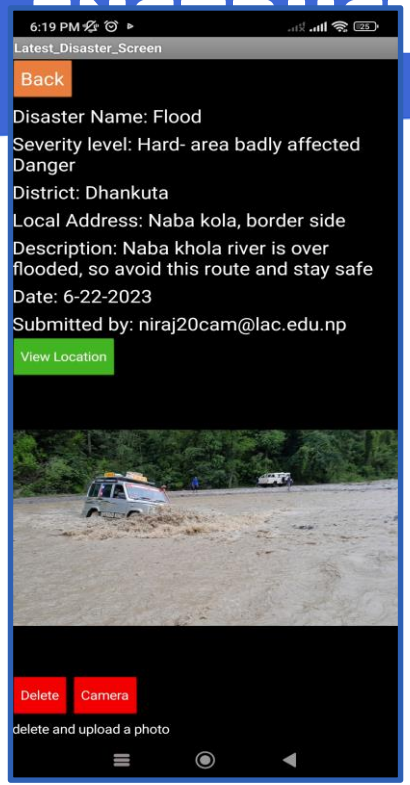


Step 5: When ‘Report Button’ is pressed, this screen opens where New disaster can be reported

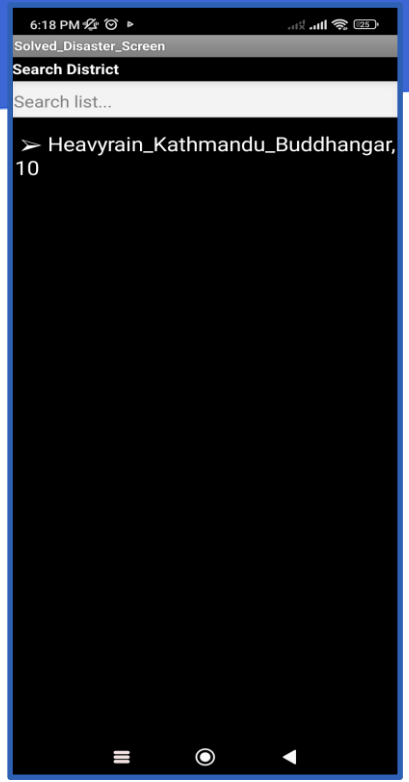
Step 6: When ‘Latest Disaster’ button is pressed, this screen opens where you can see the list of disaster

Note: Any user (Government / Public) can report disaster.

INSTRUCTIONS

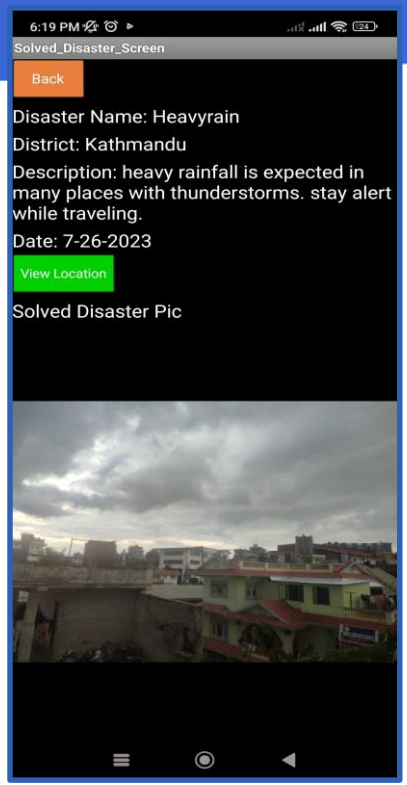


Step 7: When an item is selected from ‘Latest_Disaster_Screen’, it shows detail about the disaster. Only ‘Government user can delete and upload



Step 8: When ‘Solved Disaster’ button is pressed, this screen opens with list of solved disaster

When list item is selected



Step 9: Shows the detail of solved disaster, with solved photo.

Note: Only ‘Government User’ can delete and upload photo of the solved disaster. Users can view location through google map by clicking on ‘View Location’ button

LIMITATIONS

In 100 words or less, describe the limitations of your app and what people should carefully consider when using it.

All the textboxes should be filled, as there is no authentication to check if a textbox is filled or not. Public users should only log in through the public button, and government users should log in through the government button. All registered account users should remember their passwords, as there is no reset password option. After registering the email, the email should be verified through the link sent to the given email address. The data list in Firebase for ‘Solved Disaster’, should be deleted manually by the admin of the app.

TITLE

I have used a extension to convert image to base64 string.

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Name : METRIC RAT AI2
Filename: uk.co.metricrat.imagebase64v2.aix
https://metricrat-hosting.web.app/

TITLE

Login Details for the app

Public User:
Email: nirajgupta9812@gmail.com
password: qwerty

Government User:
Email: niraj20cam@lac.edu.np
password: qwerty

ACKNOWLEDGEMENTS

Please list the names of anyone who helped you with developing your app, and describe what type of help they provided.

- Person #1: (fill in how they helped you)
- Person #2: (fill in how they helped you)
- ...

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APPENDIX

If you have any supplementary information you wish to include, feel free to add it to the Appendix. **This section is entirely optional.**

It is recommended to add materials to the Appendix if you submitted a hardware project (e.g. with schematics, flow diagrams) or if your project included significant programming components outside of the MIT App Inventor platform.

Please be aware that judges reserve the right to exercise their discretion in reviewing materials within the Appendix, and they may not review its entirety if they consider it excessively lengthy.