Incident Reporting

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CSE 115D
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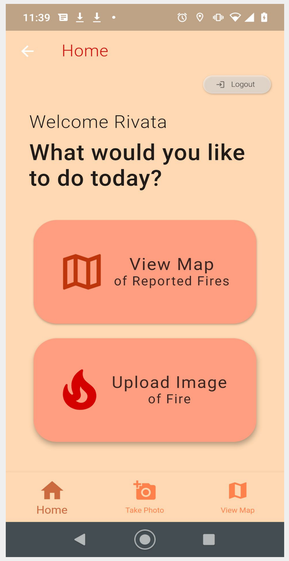
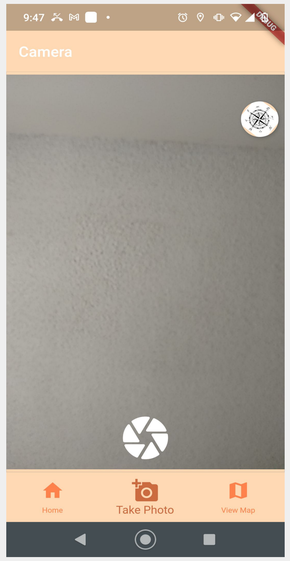
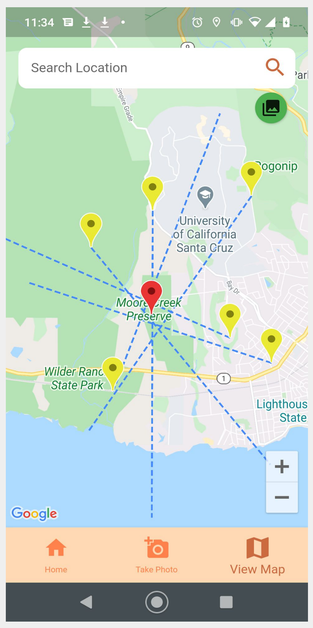
Features

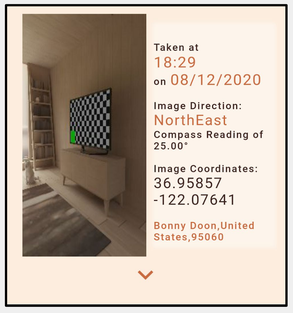


Anonymous Login - Protect your identity while uploading images.



Capture/Upload Image of Fire.Take a picture of a fire in your visibility.



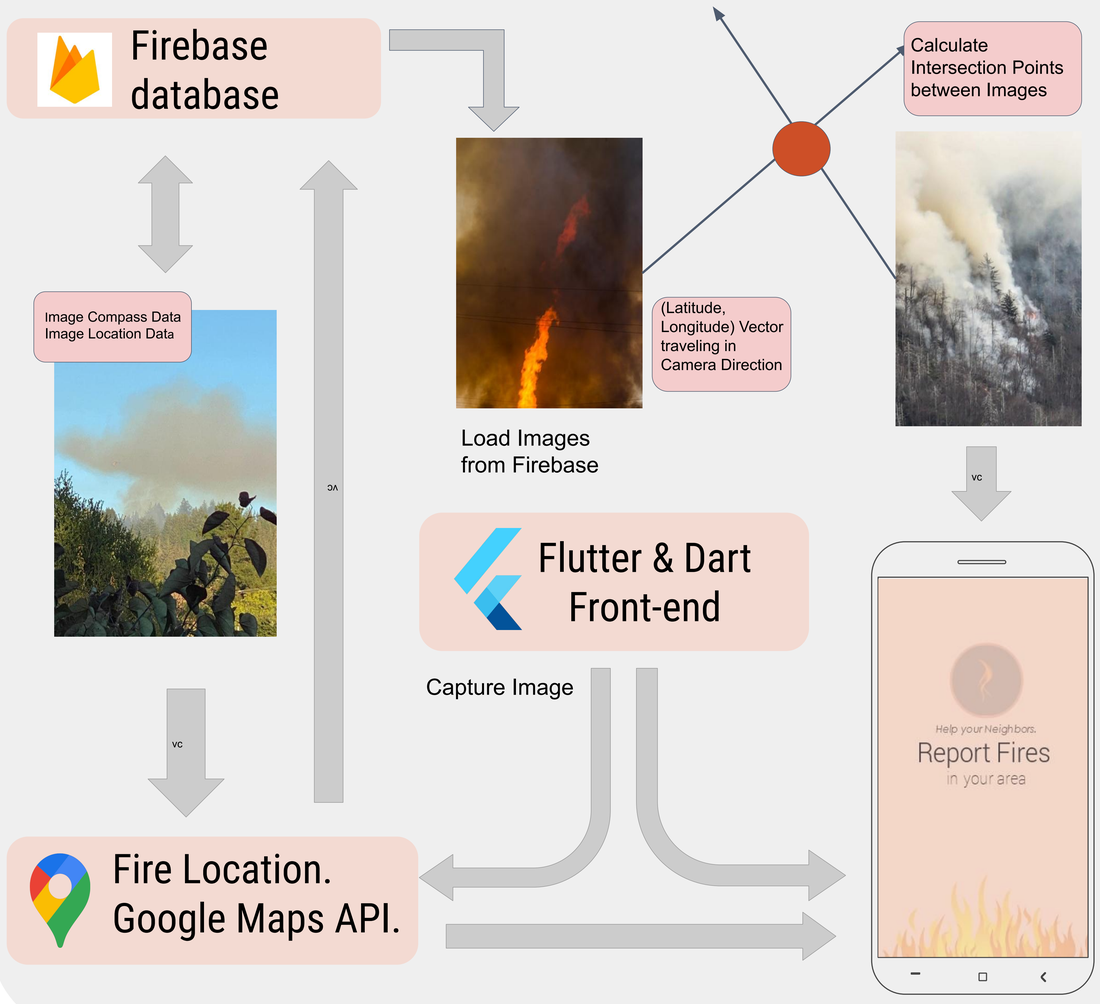


View Map of Reported Fires & Fire Location - Also view the fire images taken in your area.

Overview

We created a mobile app that can be used to pinpoint the location of fires. Users take a picture of a fire, and we gather the compass and location data, to create vectors on a map. When many users upload images, we can use this data to find the likely point of a fire.

Architecture



Future Vision

Distinguish Between **Multiple Incidents**. Current app does not have any image recognition functionality.

Increase **Accuracy**. Phone compass' are not 100% precise. . In the future, we would have user's capture multiple images from the same location and average the compass reading to get better accuracy. Increase functionality for **First Responders**. If implemented on a large scale, this app would be incredibly beneficial to respondents AND the general population.

Technology

'Incident-Reporting' was created with a **Flutter** front-end and developed with **Google Cloud Services** for functionality. **Firebase** was the backend service used to store our anonymous users, user images, and image data. App was designed and prototyped on **JustinMind**.

Special Thanks to...

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