Spike Research Development
iOS Native Application

We created a concept mobile application for iPhone operating system that features push notification support.

For more information on Push Notifications see this https://www.urbanairship.com/push-notifications-explained .

Application currently provides a login view that requires email/password input and then takes user to the landing view. (see screenshots)

Landing view requests permission from a user and setups firebase connection to accept push notifications even when application is not running. This version is fully functional.

Unfortunately takes days to process/request an app to show up in Apple's App Store.
We were able to distribute and test this native application using Microsoft's Mobile Center allowing to test multiple developer builds.
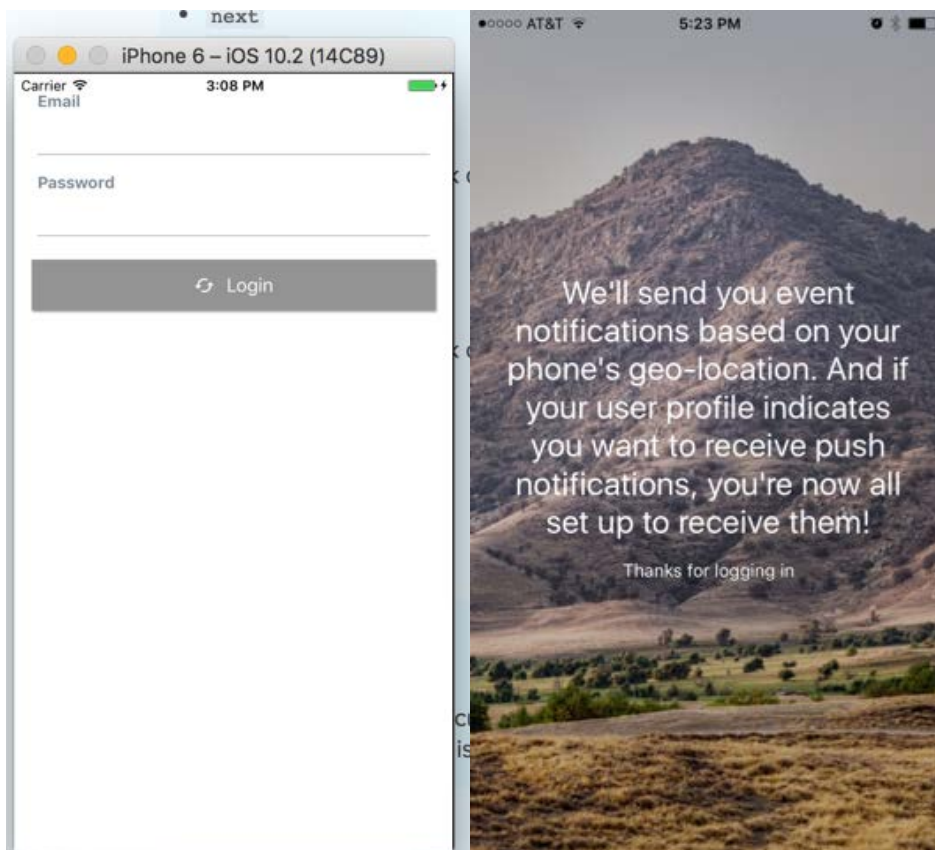
Push service is built with Firebase (google cloud).

Application is primarily tested on IOS however Android version will work without push support.

Technology: React Native, ios, android , firebase, nodejs

Code resides in a separate GitHub branch: **nativeapp-poc**

Screenshots of Login and Landing views

Spike Research Development
PUSH notification to desktop browser and Mobile client

Push notifications for browsers Chrome, Firefox and Operate for desktop and mobile devices are becoming more popular and have been supported since 2016 versions.

A user would be asked for permission to receive push notification.
The Web Push behaves very similarly to Native Push on mobile devices.

Notification appearance is very similar on desktop and the same on mobile devices (including tablets).

Firebase powers this service. More information is available at
https://en.wikipedia.org/wiki/Firebase

Spike development got a sample push data service running from a server backend to the client browser.

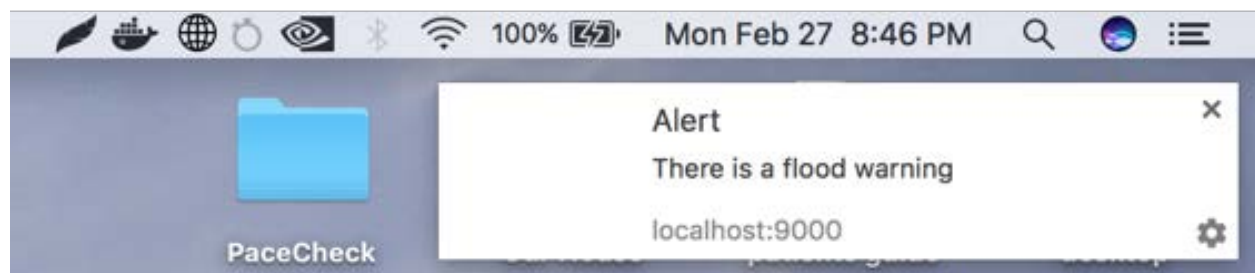Code resides in separate GitHub branches representing separate stories:

Front end: setup, configuration and acquiring permission and unique token
pqvp-154_push_web

Backend that sends notification from server:

PQVP-225_Send_push_fcm_notification

API endpoint to store firebase token for a particular resident
PQVP-220_api_support_to_store_and_update_firebase_token

Screenshot of a desktop browser requesting permission from a user:

Screenshot of an example push notification received by the Mac Desktop browser