Southern Cameroons and Ambazonia Refugee Project Delivery Documentation

Website Release Notes:
- New Features:
  - Projects are displayed on projects page for viewing by donors
  - Project information is displayed when individual projects are clicked on
  - Projects can be searched by creator, title, category, town, or camp
- Bug Fixes
  - Empty search string now returns all projects
  - Project search by name can now work for first name or last name
- Known Bugs
  - Cannot search projects by partial string matching (so entire title must be entered for example)
    - Consider using Algolia or ElasticSearch to allow for full-text searching of the Firestore database moving forward

Website Install Information:
- Prerequisites:
  - Python 3.7.2 or latest version installed and configured (https://www.python.org/downloads/)
  - pip installed and configured (https://pypi.org/project/pip/)
- Dependent Libraries:
  - firebase-admin-python (https://github.com/firebase/firebase-admin-python) should be installed prior to running. If pip is installed, you can run *pip install firebase_admin* in the project directory
- Download Instructions:
  - https://github.com/evansmoot/cribds-website
  - Project can be downloaded as a zip and extracted in the desired directory or with git (https://git-scm.com/)
- Build Instructions
  - User will need credentials to access firebase:
    1. Go to (https://console.firebase.google.com/) and log in with the credentials given to you by the developers.
    2. Navigate to the Service Accounts tab in the project's settings page
    3. Click the Generate New Private Key button at the bottom of the Firebase Admin SDK section of the Service Accounts tab.
    4. A JSON file containing the credentials needed to access the database will be downloaded. Add this to the project directory at the path *cribds_website/projects/* (in the same folder as apps.py, urls.py, views.py, etc...)

    Warning: Use extra caution when handling service account credentials in your code. Do not commit them to a public repository, deploy them in a client app, or expose them in any way that could compromise the security of your Firebase project.

- Run Instructions
  - Navigate to the root directory of the project in your terminal (in the same folder as manage.py) and type *py manage.py runserver*
  - The website should now be running on your local machine at the IP address specified in the terminal

App Release Notes:
- New Features
  - Refugees accounts can now be created by Employees
  - Refugees are now able to submit projects
  - Project Lists were implemented in various parts of the project
  - Projects can now be accepted or reject by an Employee
- Bug Fixes
  - Project data now has field requirements, and will alert if bad data is entered.
  - Town data now will be stored locally

App Install Information:
- Prerequisites
  - NodeJS (10.15.0 LTS) (https://nodejs.org/en/download/releases/)
  - Yarn (1.15.2) (https://yarnpkg.com/lang/en/docs/install/#debian-stable)
  - Expo-cli install by running "yarn global add expo-cli" (https://github.com/expo/expo-cli)
- Dependent Libraries
  Note: All dependencies are installed via yarn
  - Expo (32.0.0)
  - Firebase (5.8.5)
  - Native-base (2.10.0)
  - React (16.5.0)
  - React-native (32.0.0)
  - React-native-materials-dropdown (0.11.1)
  - React-native-modal-datetime-picker (6.1.0)
  - React-navigation (3.0.9)
  - React-redux (5.0.0)
  - React-redux-firebase (2.2.6)
  - Redux (4.0.1)
  - Redux-firestore (0.7.0)
  - Redux-thunk (2.3.0)
  - Babel-present-expo (5.0.0)
- Download Instructions
  - https://github.com/SkipKayhil/cribds-mobile.git
  - Project can be downloaded as a zip and extracted in the desired directory or with git (https://git-scm.com/)
- Build Instructions
  - Navigate into the downloaded directory in the terminal (cribds-mobile)
  - Run "yarn install"

- Run Instructions
  - Navigate into the downloaded directory in the terminal (cribds-mobile)
  - Run "expo start" (this will open a locally hosted web page with a QR code)
  - Download the Expo app on the desired phone to run the application (Android : https://play.google.com/store/apps/details?id=host.exp.exponent&hl=en_US) (IOS: https://itunes.apple.com/us/app/expo-client/id982107779?mt=8)
  - Navigate to scan a QR code
  - On the locally hosted web page switch to tunnel and scan the QR code
  - You should now be building and then running the app on your phone.