Abstract

Many children around the globe do not receive the appropriate parental care and eventually seek the shelter of a foster home. To worsen the issue, the duration of the child registration process can reach unacceptable lengths especially in areas with unreliable internet access. To confront this issue, the Children First Mobile Application provides the tools to register a child at a foster location and record essential information while both online or offline. The software contains much of the critical functionality for efficient child registration in a comprehensive, easy-to-use mobile alternative.

Architecture

The Children First Mobile Application:

- Aims to improve the child adoption process
- Aims to find a loving home for children all over the world who may need one.
- Aims to improve social worker productivity for efficient data retrieval.

Impact

The Children First Mobile Application:

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Results

Local Database

- Aims to improve the child adoption process
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- Aims to improve social worker productivity for efficient data retrieval.

Metrics

We evaluated our app with a system usability study and had participants complete a survey regarding the user interface, user-experience, and app’s performance. The results showed that the app was received very well.

Summary

This project introduces a mobile alternative to the existing Children First website which requires constant internet access.

- The mobile application preserves the same critical functionality of the website.
- The application allows users to work offline and sync local data with server data when reconnected to a network.
- The application allows fast data retrieval and input through a simple UI with easy navigation.
- The application contains built-in role validation to ensure users only have access to data for which they are permitted to view/edit.