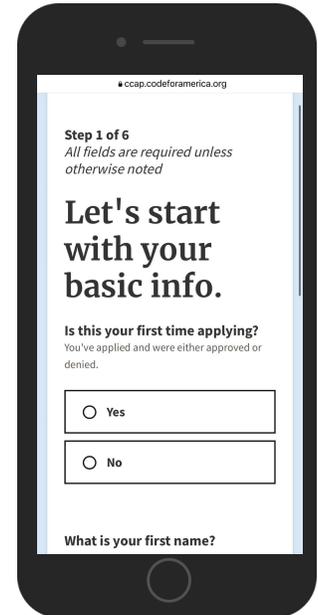


Code for America's Open Source Code for the Model Child Care Assistance Program (CCAP) Application

Code for America, a 501(c)3 nonprofit civic technology organization, is thrilled to support the United States Department of Health and Human Services' Administration for Children and Families Office of Child Care's [model application](#) for CCAP programs. We are working to convert the federally-approved designs and question flow into open-source Java code. This will allow state agencies to quickly adopt the model application and immediately improve the customer experience of applying for child care benefits. You can view the in-progress demo site and experience the application for yourself at: ccap.codeforamerica.org.

You can send the information below to your IT and technical teams to jumpstart the adoption of this free, open-source, federally-approved child care application starter code in your state.

Since the application is still under development, please contact Aurelle Amram, Director of Strategic Partnerships at amram@codeforamerica.org to ensure you have the latest information and guidance.



Getting started with the application

You can find our child care application starter code and more detailed technical instructions in Code for America's [GitHub repository](#).

Steps to set up and deploy the application:

1. To set it up locally:
 - a. Review the [README setup instructions](#).
 - b. Note: To incorporate the document upload feature, you will need an AWS S3 bucket and its necessary credentials (API Key + Secret Key).
2. Deploy the application on cloud hosting for Docker containers. Code for America recommends Aptible:
 - a. To deploy on Aptible, fork the Github repository and [configure your Aptible account and environment](#).
 - b. Configure your GitHub Actions secrets and variables to match your Aptible setup.
 - c. The deployment of your CCAP app to your Aptible instance will trigger automatically.
3. When someone submits an application, the data is stored in a database and a file storage solution:
 - a. The childcare application and metadata of the files uploaded are stored in the database in a JSON format.
 - b. Uploaded documents are stored in AWS S3 (or Azure).

The codebase includes third-party libraries for log collection and aggregation, observability, and reliability monitoring. Engineers will have to implement any needed integrations with your state's back-end systems. For example, engineers may integrate submission data through an API or Robotic Process Automation (RPA).

About the code

The CCAP application:

- Is mobile-first, built on Java 17 using the Spring Boot web framework
- Supports complex form flows like applicant's dependents, income, and expenses, etc.
- Provides support for document upload and validation:
 - Uses open source solutions for document upload and native Java validations to make sure applicants enter the correct information.
 - Documents are uploaded to AWS S3, but are also configurable to Azure
- Leverages [U.S. Web Design System \(USWDS\) design components](#) styling and has the capability to support multiple languages
- Supports conditional logic through simple Java classes
- Provides reusable HTML fragments for commonly-used application form components
- Supports continuous integration and continuous deployment (CI/CD)
- Defines the form flow through a YAML configuration
- Includes a comprehensive test framework for automated testing

Security and compliance information

- Code for America practices continuous delivery. The code is hosted on GitHub, while CI/CD operates through GitHub Actions. GitHub provides built-in code scanning, security advisories, and vulnerability alerting on third-party dependencies.
- As an organization, Code for America achieved SOC 2 Type 1 certification in 2022.
- Code for America runs a bug bounty program on all its production web applications through [Bugcrowd](#) to encourage responsible vulnerability disclosure.
- Code for America's [Principal Security Engineer](#) is available to advise on audits, compliance, documentation, and security policy implementation as needed.
- All code is written by Code for America staff. We do not accept contributions to our open-source codebases from the general public. Code for America uses the [open-source MIT license](#) to grant a license to the code to government partners *pro bono* and in perpetuity.
- This application is still subject to your jurisdiction and organization's respective software security assurance process.

Questions?

Please feel free to contact Code for America to learn more or for further assistance in adopting this family-friendly child care assistance application. You can reach out to Aurelle Amram, Director of Strategic Partnerships (aamram@codeforamerica.org) with any questions.