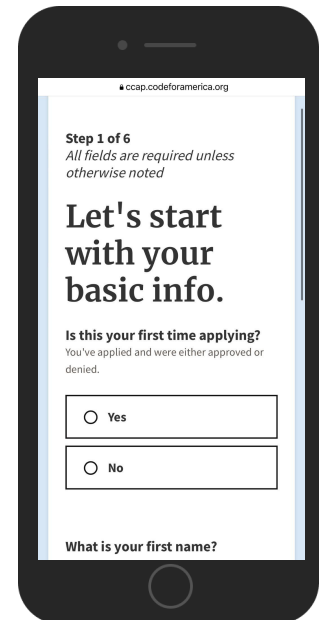


Code for America's Open Source Code for the Model Child Care Assistance Program (CCAP) Application

Code for America, a 501(c)3 nonprofit civic technology organization, is thrilled to support the Administration for Children and Families, Office of Child Care's [model application](#) for CCAP programs. We have converted the federally-approved designs and question flow into open-source Java code. This allows state agencies to quickly adopt the model application and immediately improve the customer experience of applying for child care benefits.

You can view the demo site and experience the application for yourself at: ccap.codeforamerica.org.

The below information can be sent to your IT and technical teams to support adoption of this free, open-source, federally-approved child care application in your state.



Getting Started with the Application

You can find our code and more detailed technical instructions in the GitHub repository [here](#).

3 steps to set up and deploy the application:

1. To set up locally:
 - a. Review the setup instructions from the [childcare model repository's readme](#).
 - b. To incorporate the document upload feature, you will need an AWS S3 instance, as well as the necessary credentials (API Key, Secret Key).
2. Deploy as a Platform As a Service solution (Aptible):
 - a. To deploy on Aptible, fork the Github repository and [configure Aptible account and app](#).
 - b. Configure your Github actions secrets and variables to match your Aptible setup.
 - c. The deployment of your app to your Aptible instance will trigger automatically.
3. After submitting an application, 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).

For integration and data flow availability, the application supports third party libraries for log collection and aggregation, for application visibility. Engineers can implement post-processing to some form of integration. In the past, engineers have connected submissions through an API or a Robotic Process Automation.

More Information About the Code

- Mobile-first application on Java 17 using the Spring Boot web framework
- Supports complicated 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 [USWDS design components](#) and supports multiple languages
- Supports conditional logic through simple java classes and flows
- Supports reusable HTML fragments for commonly-used application form components
- Supports continuous integration and continuous deployment (CI/CD)
- Form flow done through YAML configuration
- Includes a comprehensive test framework for automated testing

Security & Compliance Information

Code for America practices continuous delivery. The code is hosted on GitHub, while CI/CD operate 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.

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 questions.