

DHIS2 is a globally adopted health information management system developed by the Health Information Systems Programme (HISP) at the University of Oslo. As an open-source, web-based platform built with Java, DHIS2 is the world's largest Health Management Information System (HMIS), implemented in over 80 low- and middle-income countries worldwide. For more information, please visit [DHIS2](#).

EXERCISE

1. Set up a local DHIS2 instance using d2-docker.

Instructions:

- Install <https://github.com/EyeSeeTea/d2-docker> (branch: *development*)
- Build the *core* and *data* images using a WAR (latest v40) and the Sierra Leone database dump which can be downloaded from [DHIS2 Downloads](#).
- Start the instance and confirm that it runs successfully: <http://localhost:8080> user=*admin*, password=*district*

Deliverable 1a: Document the steps you followed to set up and run the DHIS2 instance. Add these notes to the Pull Request you will create in the next section.

2. Identify and fix a specific bug within DHIS2 v40

Instructions:

- Open the *Tracker Capture* app
- In the left side bar, select the following organizational unit path: *Sierra Leone -> Bo -> Badjia -> Ngelehun CHC*
- Select person: *Maria Wright*.
- Go to the Birth stage, then navigate to the Birth Certificate question, and upload an image.
- Attempt to delete the image you just uploaded using the trash icon on the right side of the item.
Expected error: You should see an error message "Failed to update the event in the server"

Your task is to find the problem in the source code, fix it, re-build (recompile) the WAR, and generate a new d2-docker core free from that bug.

Hint: the error is related to an API call

Deliverable 2a: Fork <https://github.com/dhis2/dhis2-core> and submit a Pull Request with the fix.

Deliverable 2b: Provide the CLI shell commands (use *curl*) that prove that the bug has been fixed. Add these commands and any relevant notes to the PR description.

Deliverable 2c: Push the docker images (fixed core and data) to <https://docker.eyesetea.com> (Harbor).