

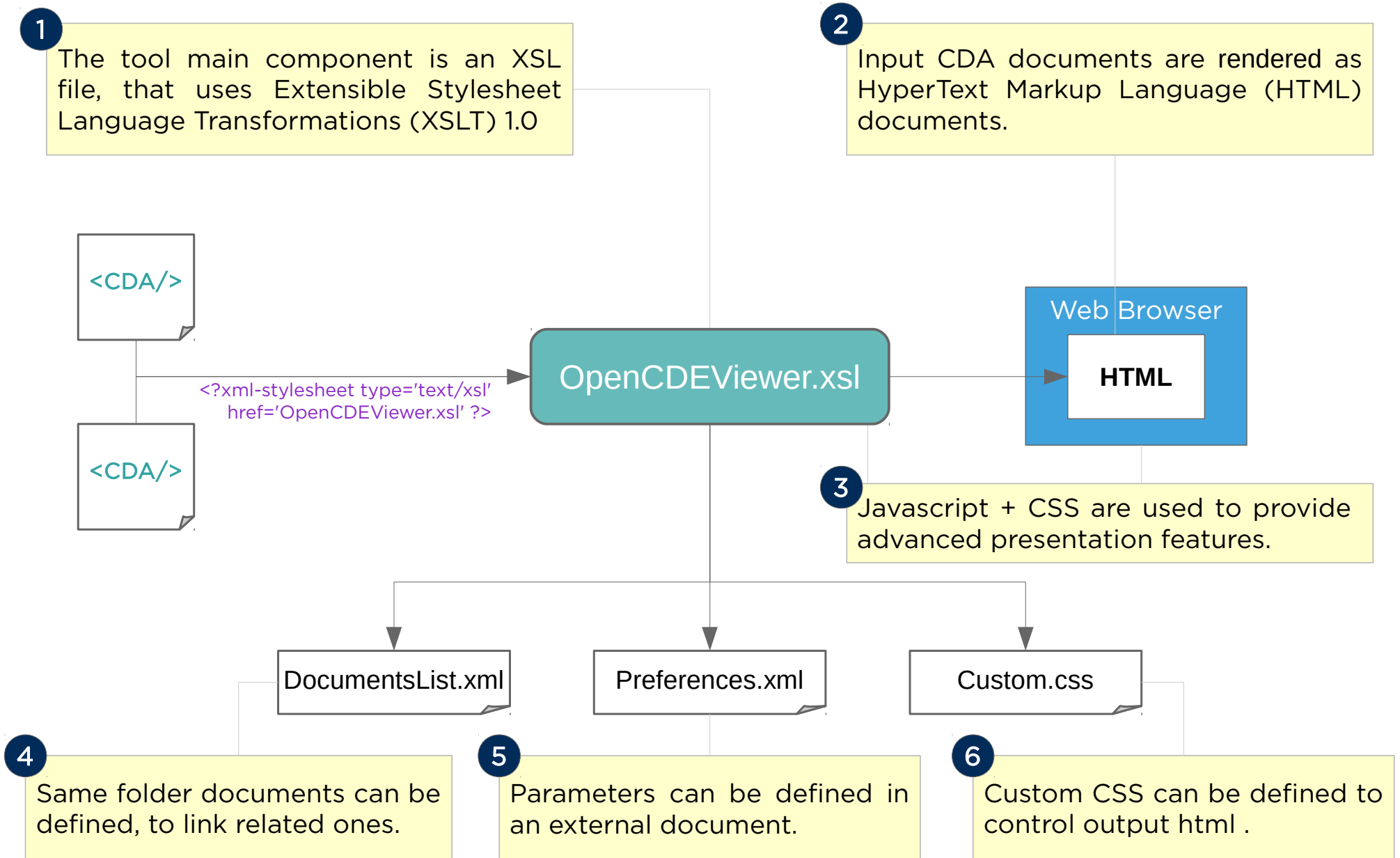
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1. Tool context



- **OpenCDE Viewer** is a lightweight CDA viewer, that only requires a Web Browser to display these kind of documents.
- **OpenCDE Viewer** works as a standalone component or is easily embedded into existing solutions.
- **OpenCDE Viewer** does not require any software installation, once source files are copied, **just double click on CDA files**.
- **OpenCDE Viewer** component, is part of a full solution for sharing clinical documents, from the OpenCDE platform (<http://clinicaldocumentengineering.com/>).

2. Tool technology



3. Header features



- Initially, just a header summary is provided: patient, document and effective time.
- Optionally, all header content can be displayed.
- Once all header content is displayed, some elements are highlighted: patient, general document information, legal authenticator and custodian.
- Telecom attributes (mail, phone, url), are labeled at output, to allow (if configured in the browser), to run expected action once clicked (send mail, call, navigate).

4. Body features



- A **sections** navigation tree is provided (including nested sections) as a left side panel. This can be collapsed and expanded.
- For each type of document (ClinicalDocument/code), a set of initial sections to be displayed can be configured. If present, when opening these types of documents, just these “summary” sections are displayed at content area, notifying that a full content exists.
- For each type of document, section relationships can be configured, allowing, for example, quick navigation from prescription to allergies section.
- C-CDA DICOM Object Catalog Section detection, allowing to display images using <https://ivmartel.github.io/dwv/>.

5. Narrative text rendering capabilities



- HL7 CDA standard defined plus:
 - PDF Documents, embedded as a base64 encoded documents at nonXMLBody.
 - Structured documents where sections text is included as base64 encoded HTML, using an observationMedia pointed by a renderMultimedia.
 - ObservationMedia elements that include base64 encoded jpeg or gif images.
 - User defined style sheets can be configured to control output html (see custom.css).

6. Notifications: relationships & keywords



- Notification of child documents, that are related with a parent document.
- If child and parent documents are in the same folder, notification of parent document that a related documents exist.
- Special notification when parent document has an addendum document, as it should be considered as part of parent document content.
- Hyperlinks to navigate are provided if related documents for both parent and child documents are available in the same folder.
- Notification when document narrative text includes configured keywords (matches and navigation).