JSON Visualizer

Pfizer Inc.

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Meet the Speakers

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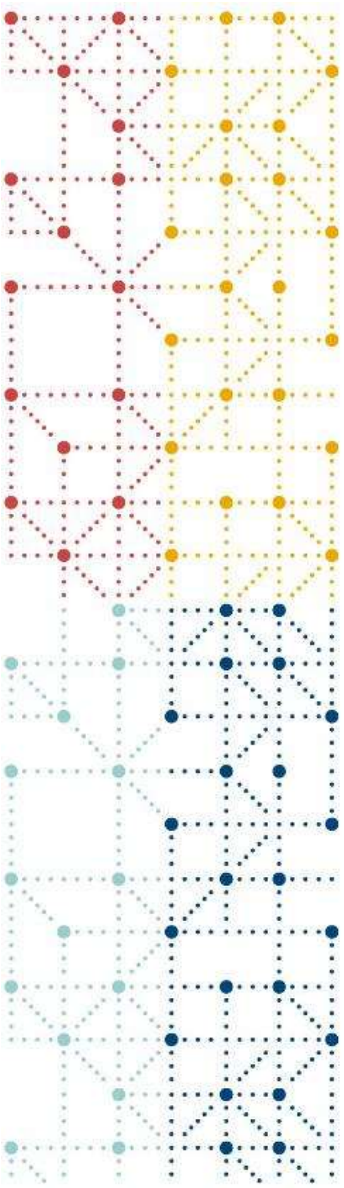


Agenda

1. Introduction
2. Overview
3. Problem Statement
4. Technical/Software Requirements
5. Demo
6. Comments/Feedback
7. Improvements

INTRODUCTION

- **Dataset-JSON** is a data exchange standard for sharing tabular data using JSON. It is designed to meet a wide range of data exchange scenarios, including regulatory submissions and API-based data exchange.

- To view JSON or NDJSON in a more interactive way and in easily readable format, a viewer software is required to be developed that is compatible with **Dataset-JSON v1.1 schema**.

OVERVIEW

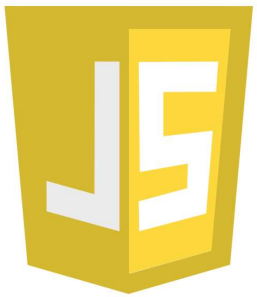

CDISC Hackathon
2022
Pilot
Submission
2024
JSON 1.1
2024
JSON Viewer
Hackathon
2024

PROBLEM STATEMENT

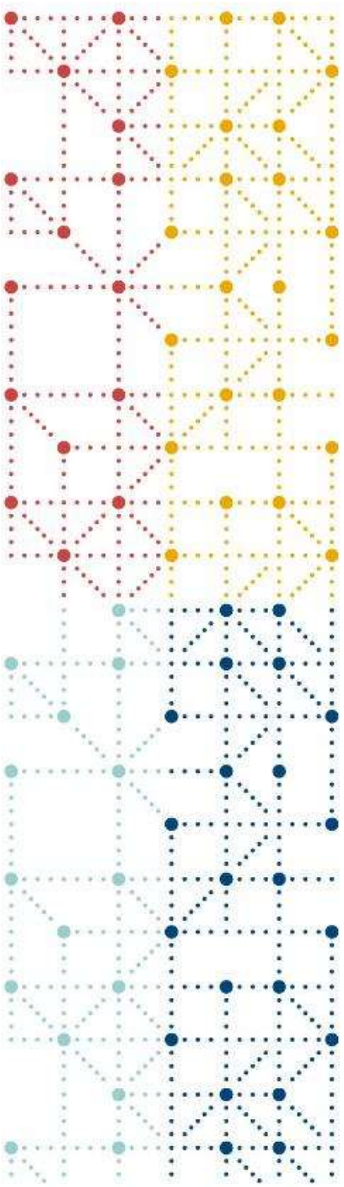
The primary objective of this virtual hackathon is to develop a **Dataset-JSON Viewer** that fully supports **Dataset-JSON v1.1,** either as a new application or as an enhancement to existing software. This initiative stems from the strong interest identified during the "Dataset-JSON as an Alternative Transport Format for Regulatory Submissions" pilot, highlighting the need for accessible viewer tools.

Participants engaged in periodic meetings to share progress and receive guidance. The event ran between October 8th and January 6th.

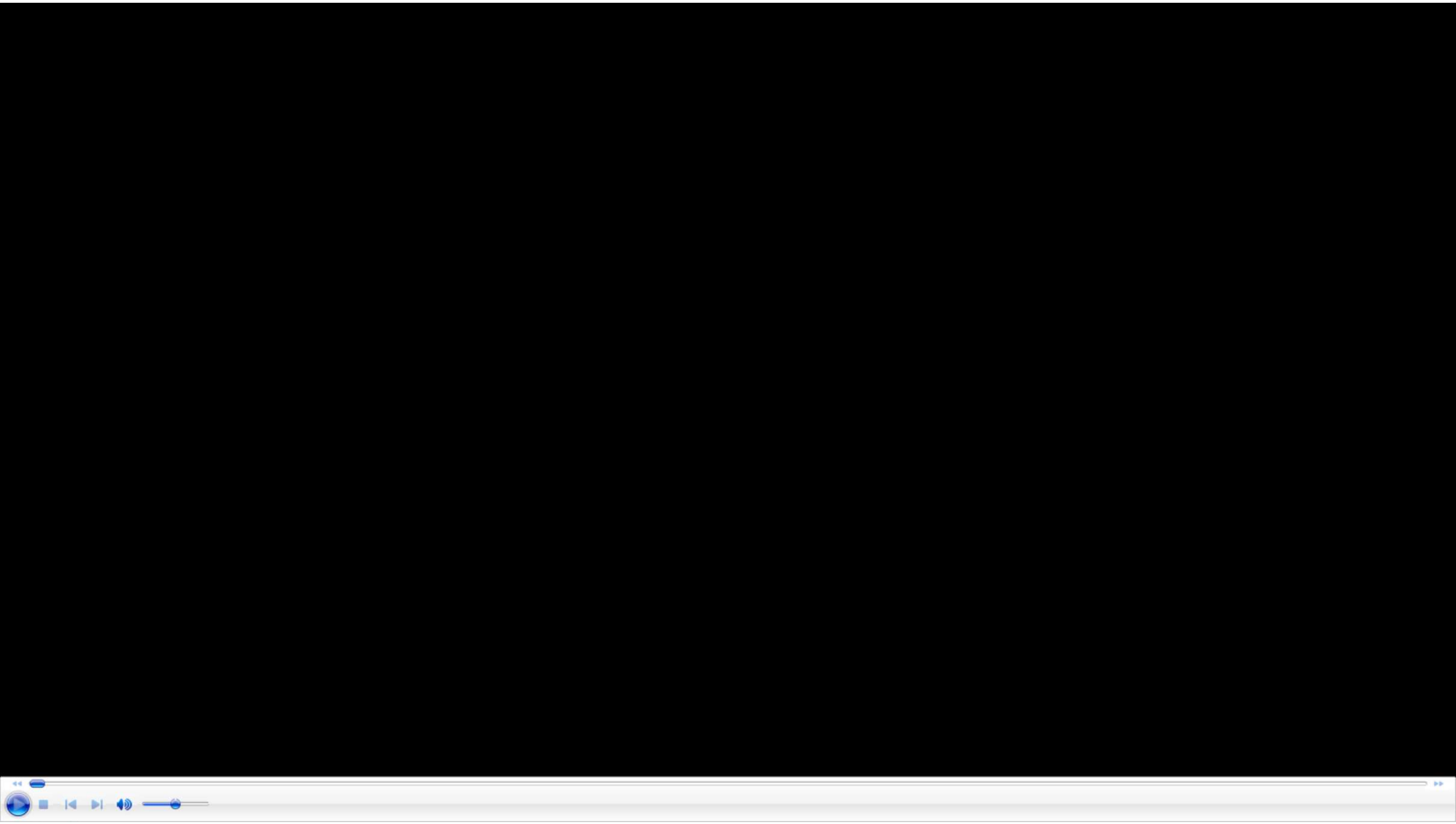
TECHNICAL/SOFTWARE REQUIREMENTS



JSON-Visualizer



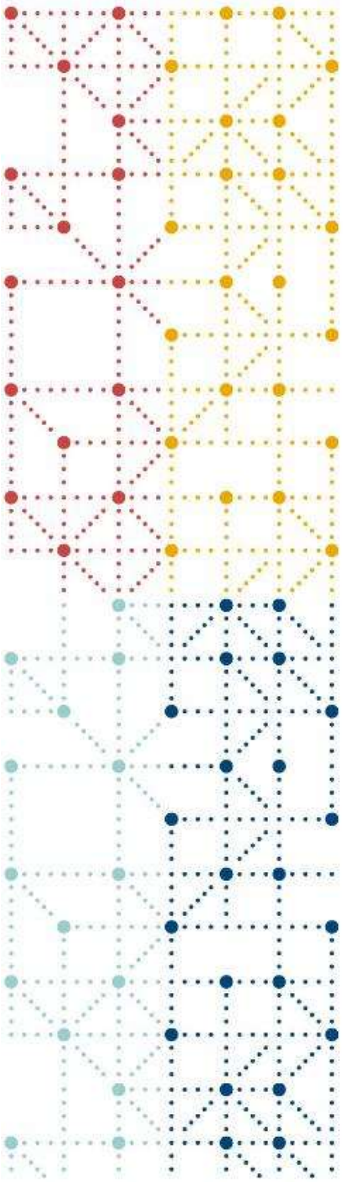
Demo



COMMENTS/FEEDBACK

Evaluation Criteria	Judge
1. Please rate the overall viewer usability and ease of use.	The system is easy to use with all the main features being intuitive. I like that you can load multiple datasets and toggle between them. I would have liked to be able to use keystrokes to browse the dataset, such as page up or page down.
2. Please rate the ease of getting started. Does the viewer require only minimal learning to use the tool effectively? Could new users start using the tool before reading the documentation?	I found it straightforward to jump in and start using the system The software is intuitive and can be used with minimal documentation.
3. How well does the viewer support basic browsing and paging through datasets?	This application does the basics well I would like page up and page down to work
4. How well does the viewer support basic filtering and sorting of the dataset?	Basic filtering and sorting are supported and easy to use.
5. How easy would it be for an organization or individual to install and begin using the application?	Once all the dependencies are worked out the application should be easy to package and install, I had to install some dependencies manually that were not part of requirements.txt
6. How flexible are the deployment options? Can the viewer be installed on a local laptop? Can the viewer be installed and accessed from a server?	I believe this could be run on a desktop, server, or in the cloud
7. How well does the viewer perform? Is it responsive?	Pages are relatively small, and the app loads them quickly
8. How well does the viewer handle large datasets? Does the application support datasets too large to fit into memory? Does performance degrade significantly with large datasets?	I was unable to load a very large dataset. It locked up my machine.
9. Does the project have adequate documentation to install and begin using the viewer?	The README is concise, but was enough to understand how to install the application. The video was short and helpful to get started using the application
10. Does the viewer support additional features such as NDJSON support, support for the final publication of v1.1, advanced browsing features, or other features not already evaluated?	NDJSON supported Support for the final version of v1.1 Some advanced features like loading multiple datasets for tabbed viewing
Overall Impressions and Feedback for the Viewer Project	**Worked nicely. Quite a few nice features. A web application that, in theory, could be installed on a desktop, server, or the cloud. I was unable to load a very large dataset. It took me a bit of work to install it, though I was ultimately successful.**

IMPROVEMENTS



Thank You!