



USDS Engineering Take-Home Assessment

Purpose

The United States Federal Government has over 200,000 pages of federal regulations across ~150 main agencies, all of which can be found within the eCFR at <https://www.ecfr.gov/>. There is a public API for it.

The goal of this assessment is to create a simple website to analyze Federal Regulations to allow for more digestible and actionable insights to be made on potential deregulation efforts across the government.

Instructions

1. **We designed all components of this assignment to be completed between 4 and 6 hours, excluding setup, but please take more time if needed.**
2. Please write code to download the current eCFR data, store the data server-side, create APIs that can retrieve the server-side stored data, and provide a UI to analyze it for items such as word count per agency, historical changes over time, and a checksum for each agency.
 - Only implement analysis that would provide meaningful information to the user.
 - Please add at least one of your own custom metrics that you believe may help inform decision-making more effectively.
3. There should be a way for users to review the results.
4. **Please submit this assignment via KiteWorks by the deadline your USDS Recruiter provided. If you have questions or need more time, please let your Recruiter know.**
 - You will receive a separate email with a KiteWorks link – please check your spam folder if you do not see it.
 - Please contact us if you do not receive the KiteWorks link within 24 hours of receiving this email.
 - When submitting, please include the following:
 - Zip file containing source code (***please ensure that the zip file can be extracted properly before sending***).
 - Document including:
 - Feedback on the assignment, including any comments you may want to add on how your expertise / skillsets fit this assessment.
 - Duration it took you to complete it.
 - Link to frontend, if applicable.
 - Screenshots of your UI.

Thank you and we look forward to reviewing your submission.