**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. 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.
2. There should be a way for users to review the results.
3. **Please submit this assignment via KiteWorks no later than Sunday, April 13th at 11pm ET.**
   * 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.
     + 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.
   * We advise you to spend no more than 4 hours on this assignment.

Thank you and we look forward to reviewing your submission.