eCFR Assessment Setup

Instructions for Testing the eCFR Assessment Project Locally

Prerequisites:

- 1. Ensure you have Node.js and npm installed on your machine.
- 2. Make sure you have MySQL installed and running.

Setting Up the Backend:

1. Unzip the Project:

Extract the project files to your desired location.

2. Configure Environment Variables:

- Create a _env file in the backend directory.
- Define your database credentials (DB_HOST , DB_USER , DB_PASSWORD , DB_NAME).

3. Initialize the Database:

- Use the database/schema.sql file to set up your MySQL database.
- Run the SQL script to create necessary tables.

4. Install Backend Dependencies:

```
cd /path/to/project/backend
npm install
```

4. Start the Backend Server:

npm start

• The server will run on http://localhost:3000 by default (check for changes in index.js if different).

Setting Up the Frontend:

1. Install Frontend Dependencies:

```
cd /path/to/project/frontend
npm install
```

1. Start the Frontend Server:

npm start

This will open the frontend in your default browser at http://localhost:3000.

Testing the Application:

1. Verify Backend is Running:

- Make sure there are no errors in the terminal output.
- Use a tool like Postman to test a couple of endpoints (e.g., /agencies).

2. Verify Frontend is Running:

- Ensure the UI loads without issues.
- Navigate through the different views: Download, Agencies, Word Count, etc.

3. Use the Application:

- Test the data download functionality via the UI.
- Check data rendering on the Agencies feed and analysis pages.

Potential Issues:

- **CORS Issues:** Confirm that the ngrok-skip-browser-warning header is correctly set in frontend requests.
- Network Issues: Ensure ngrok is running if using a tunnel for backend communication.
- Database Connection: Verify database credentials in .env .

Reviewer Notes:

- You can view the logic in backend/DA0/EcrfDA0.js for insight into database interactions and in frontend/src for UI logic.
- Look into the complexity calculation in the backend for evaluation of the regulatory burden.