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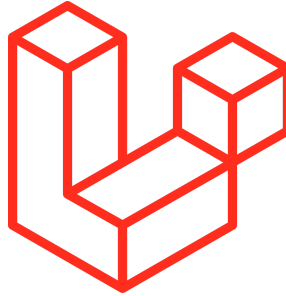
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Laravel Developer Technical Test



For New Candidates
April 2024

Project: LegalPDF.co - PDF Generation from Gmail Correspondence

Objective

You are required to create a Laravel application that simulates the generation of a large PDF file (~100MB) based on email correspondence between two Gmail addresses.



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Test Overview

You will:

1. Simulate a Gmail correspondence between **two Gmail addresses**.
2. Use a provided **editable document (3.5MB in size)** and copy its content into the email bodies.
3. Simulate a back-and-forth email chain **25 times**, using only email body content (no attachments).
4. Generate a **PDF file** from the entire simulated email chain.
5. The resulting PDF file should be approximately **70MB in size**.

Functional Requirements

- A **single backend-only** Laravel app.
 - A **button** or simple endpoint (e.g., **/generate-pdf**) that, when triggered, will:
 - Simulate the 25-message thread between the two Gmail addresses.
 - Generate a PDF document from that full thread.
 - Save the PDF locally (no need to serve it via frontend or API).
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Technical Guidelines

- **No need for actual Gmail API or OAuth** – you may hardcode or simulate the content/thread structure.
- **No frontend required.**
- Assume the page will be marked as “**unsafe**” (self-signed or HTTP).
- The app may run **only on localhost**.
- You will be provided with a **3.5MB .docx file** – extract its contents and use them as body content in the email simulation.

Evaluation Criteria

Your submission will be assessed based on the following:

1. **Speed of implementation** – how quickly you deliver the working app.
 2. **Code quality** – structure, readability, and cleanliness of your Laravel code.
 3. **PDF generation stability** – ability to handle and produce large PDF files reliably.
 4. **Performance** – how efficiently the PDF generation process runs (CPU/memory usage, processing time).
 5. **Result file size** – should be **~70MB**, indicating that all simulated correspondence is included.
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Delivery

- Submit the project as a GitHub repo or ZIP file with instructions to run locally.
- Include:
 - Clear steps to trigger the PDF generation.
 - The final generated PDF file.
 - Laravel version used.
 - Any package dependencies or configuration notes.

Tips

- Consider using packages like **dompdf**, **Snappy (wkhtmltopdf)**, or **TCPDF**.
- If file size is too small, increase message duplication.
- Ensure memory and execution time limits are configured properly in `php.ini`.

If you have any questions, let us know. Good luck!
