# The Feedback from George Pan

# for Coding Challenge 2025 – Senior Full-Stack Software Developer

Build a system that presents details about a user-supplied URL. – GP: Allow user to input the url.

The front end should prompt the user for a URL to process; the URL should be sent to the back end for processing; the back end should retrieve the requested page and return details to the front end for display.

GP:

I have a customized prompt component, but not sure if you ask for that or just mean let user to input the URL.

I created a in-memory REST Web API project to avoid the setup database in PostgreSQL. It allows cross domain and ha code to add 3 records as initializing.

The React / Typescript / vite project can get data from the REST API and display them in the ul li.

No time to mockup, design, and implement a nice UI. Planned to use Material UI but not time to finish it. So I just ad some items in the app.css file.

The details to capture:

* The count of and the total byte size of each type of image by filename extension (e.g. .jpg, .png, etc.) – GP: not sure if you ask to get image data then generate summary by count and size or just need summary data from a table. So, I used the summary data in table ti implement this.
* All the nested links, separated into internal links and external links - GP: not sure the exact requests for this, so, I just use the router and external link to make it done.

Finally, the front end should allow the user to click a nested link to get details for that URL.

GP: this is done by click a link in the detail card.

Please also provide a README.md at your project root that describes how to run it (and feel free to also include any other details or thoughts you had about the challenge or your solution).

GP: this is done.

My solution is to add some extra features such as PostgreSQL, EF Core, JWT, Redux, user login, Material UI, 1 simple report, and Mapbox to show the locations on the map. But time is limited for me due to my tight schedule.

When you’re happy with your solution, delete all node\_modules directories, zip the project directory as <LastName>\_<FirstName>.zip, and email it to us.

GP: done.

Tip: A production-quality solution will score higher than a solution hacked together quickly

GP: Crossing my fingers and toes.