



# For Candidate

## | Build your own: *URL Shortening* Service

Through a simple user interface, I want to be able to submit any URL so that it can be shortened and used/shared.



### Request:

<https://blog.gds-gov.tech/terragrunt-in-retro-i-would-have-done-these-few-things-e5aaac451942>



### Response:

<http://localhost:XXXX/qwe123>

## Requirements

1. Create a backend API server (*of any preferred tech stack*) to be able handle the conversion of a given URL to a shortened version of the URL
2. Create a frontend application (*of any preferred tech stack*) that allows users to submit a request to convert a URL, and prints the converted URL to the screen
3. Store the converted URL in a relational database (of your choice)

## Bonus

- Give the frontend application a unique look! Show us you know how to style a webpage and/or make it mobile responsive
- Deploy your application(s) to the cloud or any publicly accessible hosting service!
- Write 1 or 2 unit tests to demonstrate that you are able to understand how to write automated tests.

## What's Next

- Upload your code in a private git repository (Be mindful of the deadline given in the email, we will observe your commit history)
- You will be invited to demonstrate the application(s) you have built and participate in a pair programming exercise to add more features to the application. (Attempt the assignment without assistance from others - it'll show during your pair programming performance. Don't disadvantage yourself!)