

URL Shortener

Enviro365 needs your help in building a service (URL shortener) that will help generate readable and secure short URLs.

What is a URL Shortener?

Url Shortener is a service that creates a short link from a very long URL. Clicking on a sort URL, the user will be redirected to the original URL.

For example, the long URL <https://etalente.co.za/employer/talent-management> can be shortened etalent.tm. The shortened URL is easier to share, and it takes up less space.

Why Build a URL Shortener?

1. It can help you manage long URLs more efficiently.
2. It can help you track clicks and user engagement.
3. It can help you brand your URLs. For example, you can use your brand name in the shortened URL.

Your Task

Create a new Springboot project and implement the following requirements.

- Expose an endpoint that generates and stores a short URL when given a long URL
- When a short URL is passed to the endpoint the system must return the long URL and record that operation as a click to the URL.
- Trying to shorten a URL that already exists (one captured before) should return the already existing short URL.

To keep things simple. You can encode the long URL to base64 and take the first 7 characters as your short URL.