

# URL-Shortener-2.0

## Project Overview

URL Shortener 2.0 transforms long URLs into short, easy-to-remember custom links with advanced control features. It also tracks engagement using UTM parameters, allowing users to manage links more effectively with options like password protection, setting expiration dates, and more.

## Tech Stack



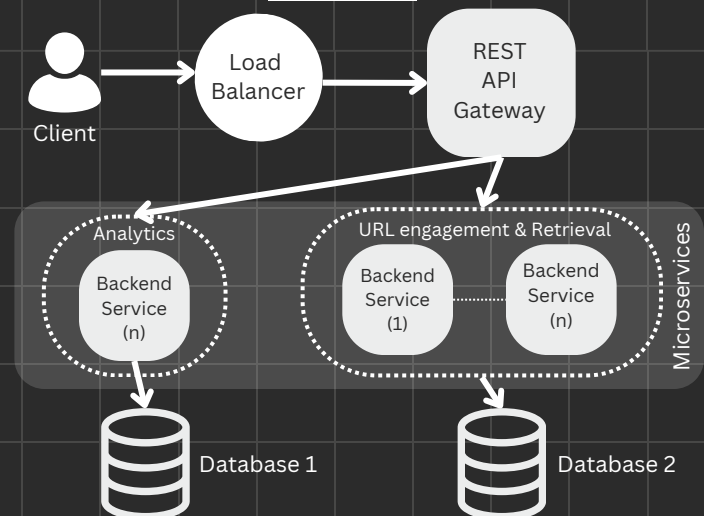
## Why This Software is Better

- Customizable Shortened Links: Users can create short, memorable links, reducing complexity for sharing URLs.
- Advanced Link Management: Options to password-protect, enable/disable, or set expiry dates on links, giving users full control.
- Engagement Analytics: Track user engagement and see how your links perform in real-time with UTM parameter integration.
- User Authentication: Logged-in users can create and manage their own links and accounts, enhancing the experience.
- QR Code Generation: Each shortened link can generate a downloadable QR code for easier distribution.

## Implementation Milestones for Future Version

- Bulk Link Creation: Develop a feature allowing users to generate multiple short links in one action.
- Region-based Targeting: Implement logic to redirect links based on the visitor's location.
- Expiration by Visits: Code a system that automatically deactivates a link after a predefined number of clicks.
- Tags for Organization: Build a tagging system in the dashboard for easier link management and filtering.
- Charts for Engagement Analytics: Integrate charts to visually represent data based on UTM parameters and link engagements.

## Workflow



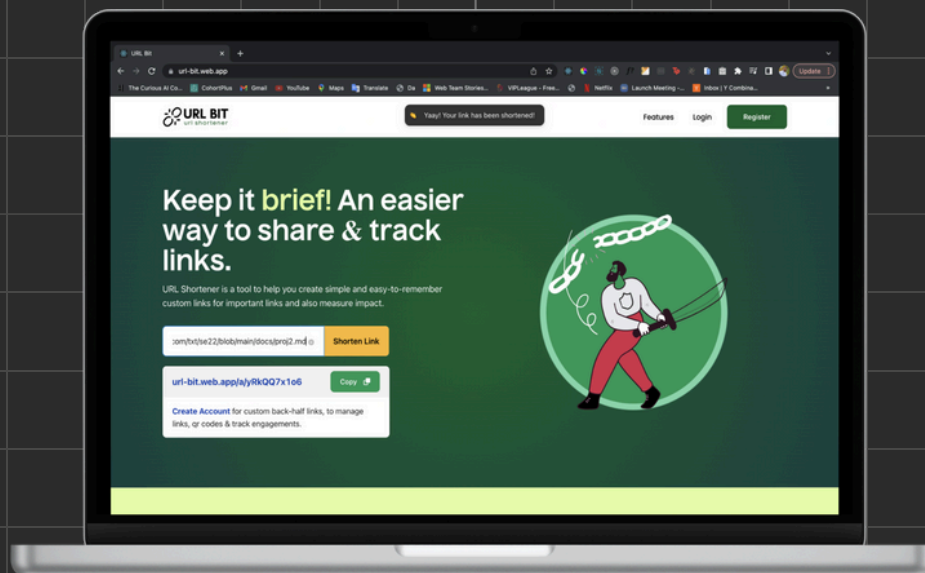
## Test Cases

18

## Test Coverage

codecov 86%

## Visit Repo



## Group

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