

Requirements

These are the business rules that need to be fulfilled.

1. User should be able to submit any URL and get a standardized, shortened URL back
2. Navigating to a shortened URL should redirect to the appropriate target URL
3. User should be able to retrieve a list of all existing shortened URLs in the system, including time since creation and target URLs
4. API requests and responses should be JSON formatted.

Considerations

These are some guidelines for scope and technology choice.

1. Don't worry about any user registration or authentication.
2. Use your choice of programming language with your choice of web framework.
3. Use a relational database; I recommend SQLite for ease of use.
4. Please share this via a Github repository that we can clone.
5. Please provide instructions to set up, test and run the API in a local environment on Linux or Mac in a README file.
6. Building a front-end client for this API is not part of the assignment.
7. Deploying this API is not part of the assignment.