# **URL Shortener with Stats Page**

## **Overview**

This project is a simple web application that allows users to shorten long URLs and view statistics about the shortened URLs. It consists of two main components:

* **URL Shortener Form**: Input a long URL and get a shortened version.
* **Stats Page**: View statistics such as click counts for the shortened URLs.

## **Features**

* Shorten any valid URL into a compact short link.
* Track the number of times each short URL is accessed.
* Display stats for each shortened URL including original URL and click count.
* Easy navigation between shortening and stats pages.

## **Tech Stack**

* **Frontend**: React.js, React Router for navigation
* **Backend**: Node.js, Express
* **Storage**: In-memory store

## **Components**

### **1. URL Shortener Form**

* Input field to enter the original URL.
* Input a validity period and preferred shortcode.
* Button to submit and generate the short URL.
* Displays the shortened URL with a clickable link.
* Validates URL format before submitting.

### **2. Stats Page**

* Lists all shortened URLs.
* Shows original URL, short URL, and click count.
* Fetches stats data from backend or local store.

## **Usage**

1. Navigate to the **Shorten URLs** page.
2. Enter a valid URL and other metrics in the input field.
3. Click the **Shorten** button.
4. Copy the generated short URL.
5. Share or use the short URL.
6. Visit the **Stats** page to monitor usage of your short URLs.