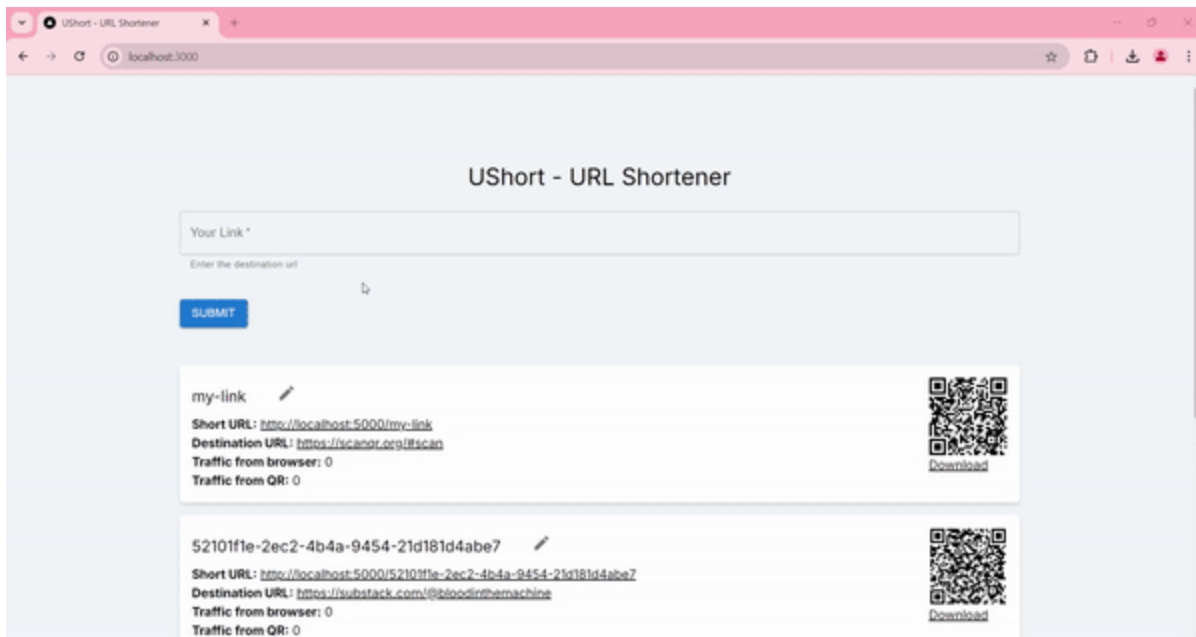


# URL Shortener

Shorten your URLs with this simple URL shortener.  
Generate QR codes for your short links.  
Track the number of clicks/scans on your short links.

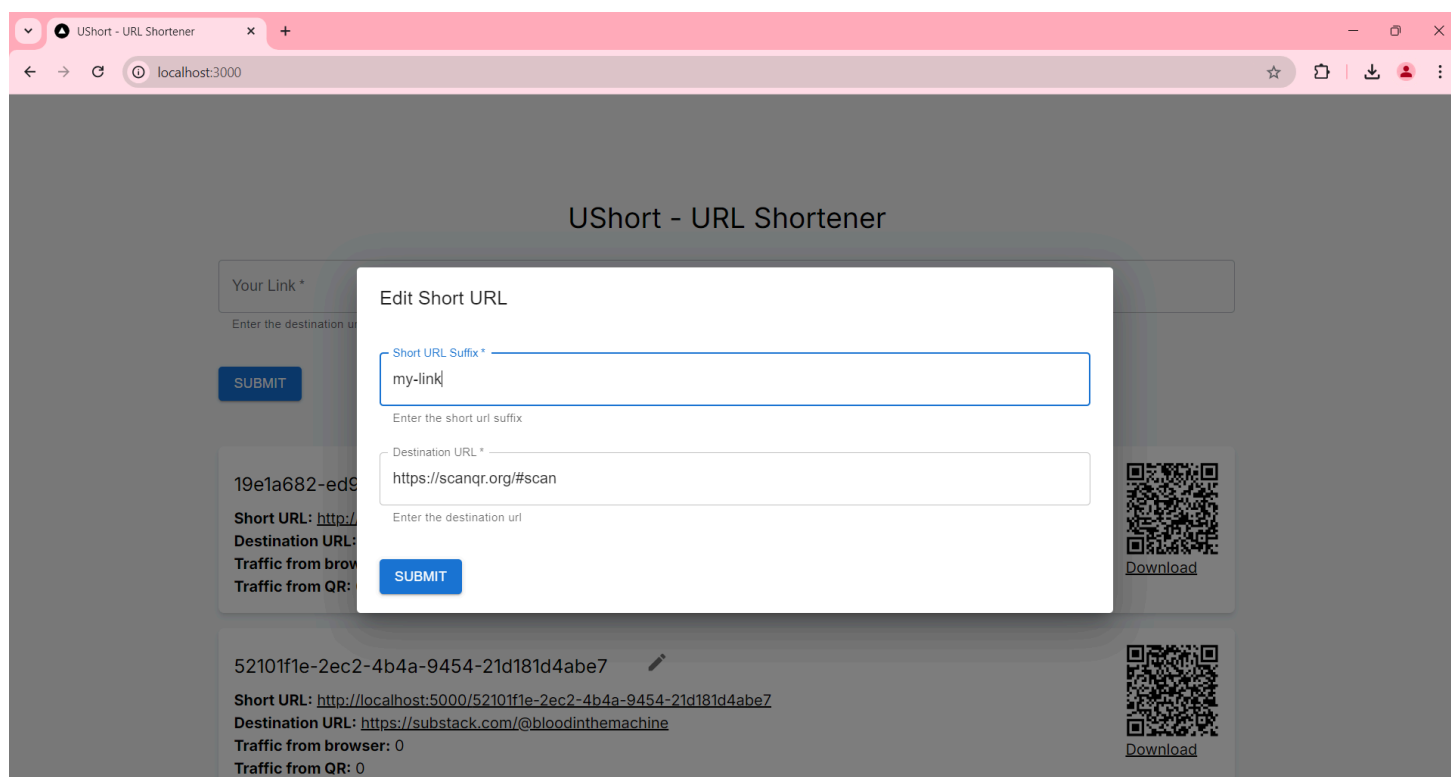
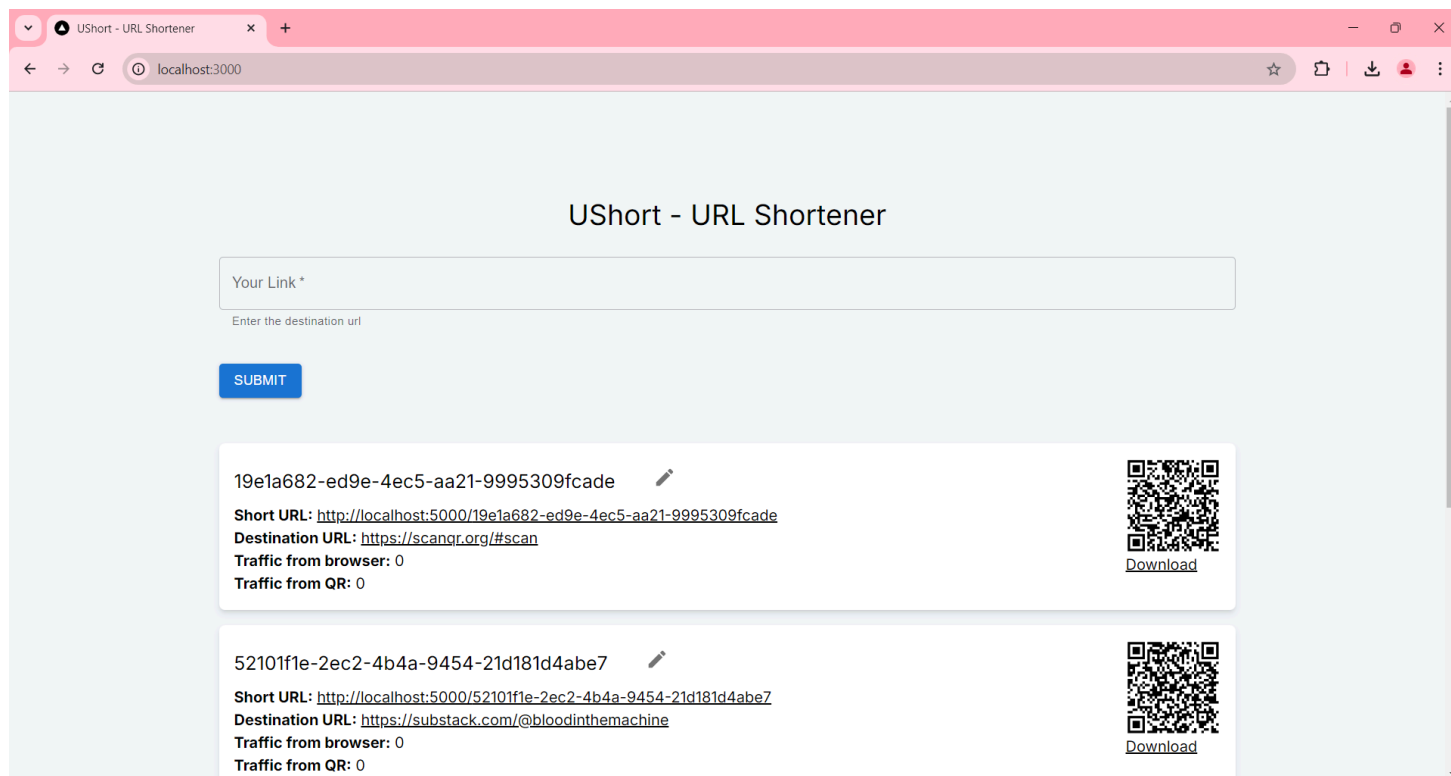
## Demo



## Video Demo

[https://drive.google.com/file/d/1J9qMwaN4CYbV4RrB4uQW9qckdbW7yX\\_N/view?usp=sharing](https://drive.google.com/file/d/1J9qMwaN4CYbV4RrB4uQW9qckdbW7yX_N/view?usp=sharing)

# Screenshots



# API Documentation



## URL Shortener 1.0 OAS 3.0

Servers  
http://localhost:5000

### default

**GET** /api/short\_links

#### Parameters

Try it out

No parameters

#### Responses

| Code | Description   | Links    |
|------|---|----------|
| 200  | <p>Media type</p> <p>application/json</p> <p>Controls Accept header.</p> <p>Example Value   Schema</p> <pre>{   "traffic_from_qr": 0,   "traffic_from_link": 0,   "short_link_data": {     "id": 0,     "long_link": "string",     "short_link": "string",     "qr": "string"   } }</pre> | No links |

**POST** /api/short\_links

**GET** /{short\_url}

**PATCH** /api/short\_links/{sid}

**GET** /api/short\_links/{sid}/analytics

### Schemas

ShortLink {  
 id  
 long\_link\*  
 short\_link  
 qr  
}

number  
string  
string  
string

Analytics >

# Tech Stack

- TypeScript
- React.js
- Next.js
- Express.js
- OpenAPI (REST API Validation and Documentation)
- MySQL
- Knex
- Tailwind CSS
- Material UI

## Database Schema

### shortlinks table

```
CREATE TABLE IF NOT EXISTS shortlinks (  
  id int unsigned NOT NULL AUTO_INCREMENT,  
  short_link varchar(255) NOT NULL,  
  long_link text NOT NULL,  
  qr text,  
  PRIMARY KEY (id),  
  UNIQUE KEY (short_link)  
);
```

### analytics table

```
CREATE TABLE IF NOT EXISTS analytics (  
  id int unsigned NOT NULL AUTO_INCREMENT,  
  sid int unsigned NOT NULL,  
  source varchar(255) NOT NULL,  
  PRIMARY KEY (id),  
  FOREIGN KEY (sid) REFERENCES shortlinks(id)  
);
```