

Execution Guide - AFFORD Full Stack Submission

Overview

This package contains three folders: Logging-Middleware, Backend-Test-Submission (Express microservice), Frontend-Test-Submission (React app).

Prerequisites

Node.js (v16+), npm, and internet access to call evaluation server. Use ports: backend 4000, frontend 3000.

Logging Middleware

Located at Logging-Middleware. It exports `log(stack, level, package, message)` and handles sending logs to evaluation server. Run ``npm install`` inside this folder if you use it standalone.

Run Backend

`cd Backend-Test-Submission npm install npm start` Backend listens on `http://localhost:4000` Use `POST /shorturls` to create and `GET /shorturls/:code` to view stats. Redirect route is `GET /:code`

Run Frontend

`cd Frontend-Test-Submission npm install` Set environment variable `REACT_APP_BACKEND=http://localhost:4000 npm start` Frontend runs at `http://localhost:3000`

Notes

The logging middleware will attempt to register and obtain token using environment variables for evaluation server credentials. The `.env` values can be set via your shell or using a `.env` mechanism. Logs also persisted locally.