

# AI-HACK- NEWS

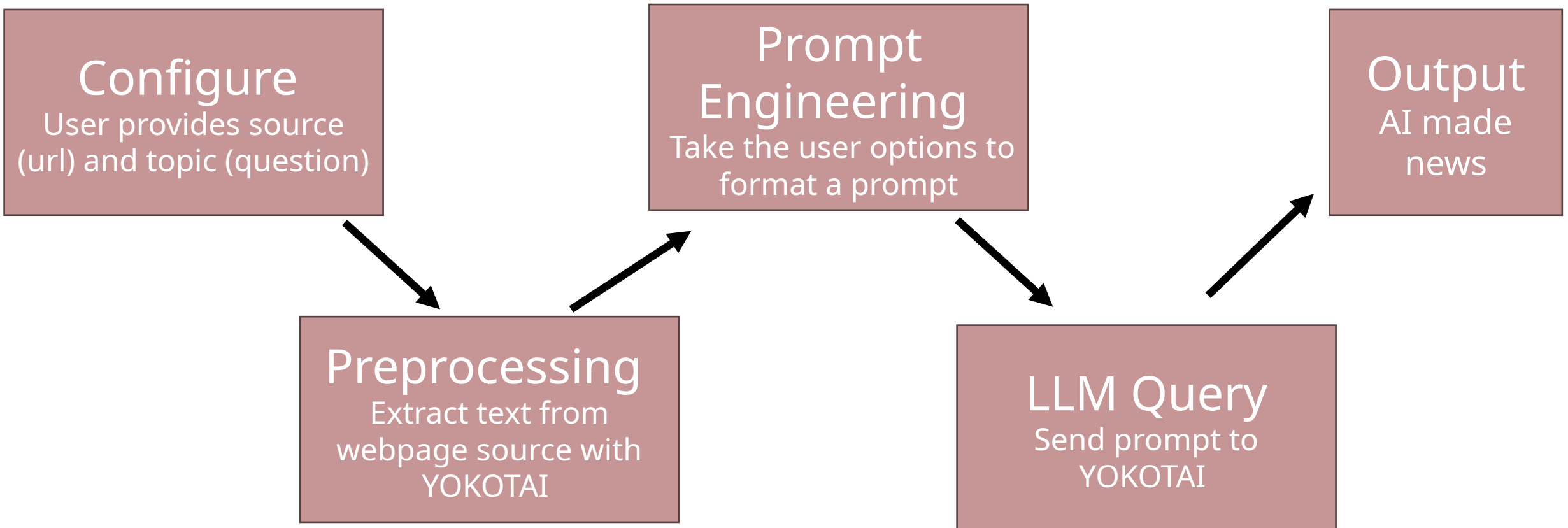
Hackathon 4.12.2023



# OVERVIEW

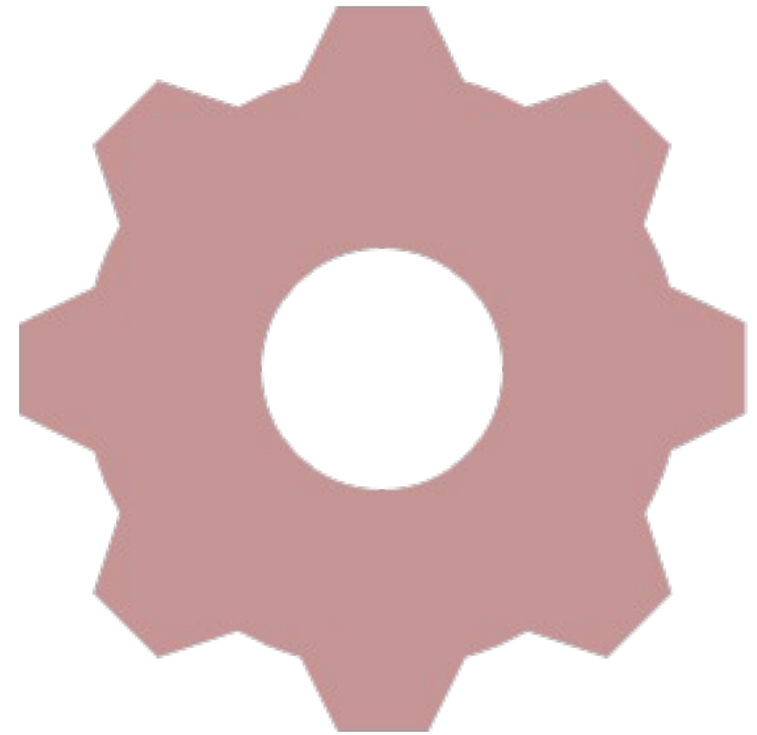
- Dataprocessing in program
- Used technologies
- Demo

# SYSTEM STAGES



# CONFIGURE

- Url for example:  
<https://www.tilannehuone.fi/halytysmap.php>
- Topic (question) for example: "Kirjoita 100 merkin uutinen tämän päivän palohälytyksistä".



# PREPROCESSING

- Purpose: get the raw data without any HTML tags
  - Many AI tool APIs calculates the input prompt count and the request cost is based on that (and output)
    - Need to keep the input as small as possible
- Options for preprocessing
  - YOKOTAI (Crawl the web)
  - Manually parsing the website data
  - APIFY

# PROMPT ENGINEERING

- At this point the prompt question is let for the user
- Prompt question user needs to get into account following things:
  - Clarity of question
  - What the context and information is available
  - Add limitations (e.g character count 1000)
  - Format of response.
- Much room for improvement here on the backend.

# LLM QUERY

Yokotai:

- Wait for document to be ready
- Make new chat
- Fetch chat result

# OUR IMPLEMENTATION

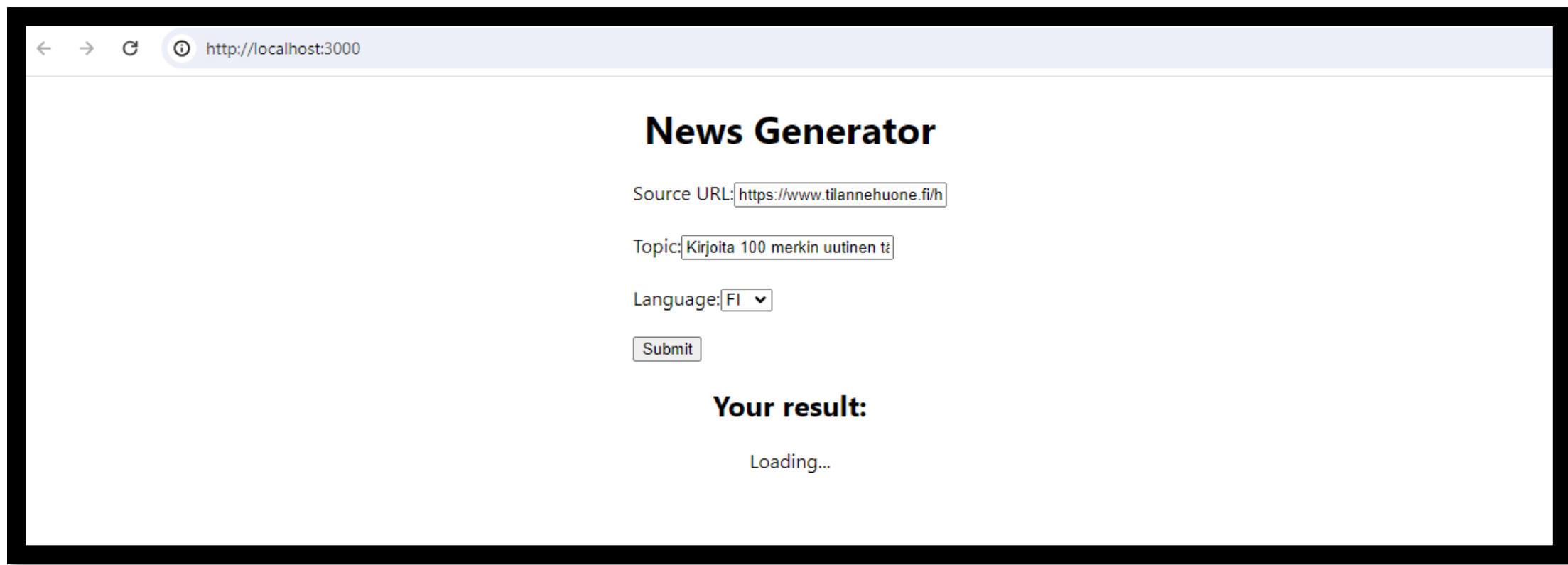
- Front-end with React
- Backend with Node.js
- Data processing with YOKOTAI



# USE OF AI

- Yokotai
- ChatGPT
  - How to use libs
- Github Copilot
  - Quick code completion and consistency

# DEMO



A screenshot of a web browser window with a black border. The address bar shows 'http://localhost:3000'. The page content is centered and includes a title, input fields for URL and topic, a language dropdown, a submit button, and a loading status.

← → ↻ ⓘ http://localhost:3000

## News Generator

Source URL:

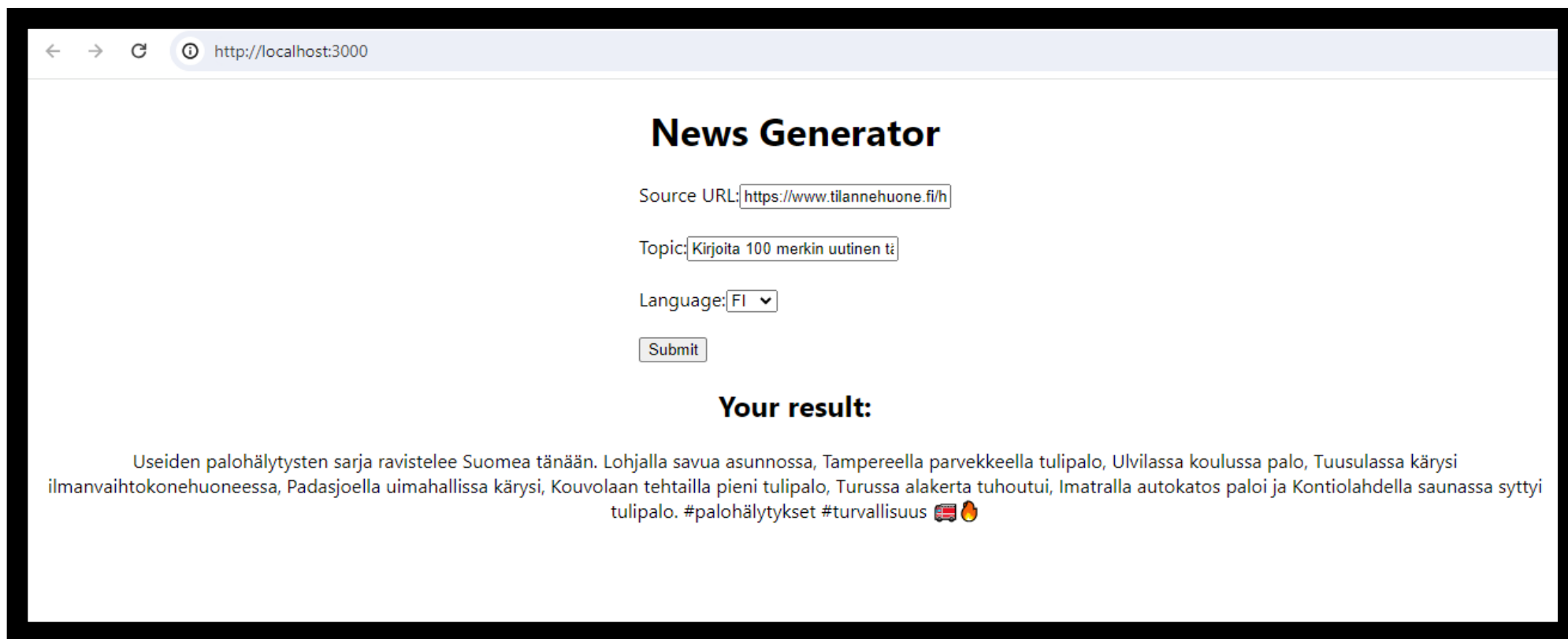
Topic:

Language:  ▼

**Your result:**

Loading...

# DEMO



← → ↻ ⓘ http://localhost:3000

## News Generator

Source URL:

Topic:

Language:  ▼

**Your result:**

Useiden palohälytysten sarja ravistelee Suomea tänään. Lohjalla savua asunnossa, Tampereella parvekkeella tulipalo, Ulvilassa koulussa palo, Tuusulassa kärysi ilmanvaihtokonehuoneessa, Padasjoella uimahallissa kärysi, Kouvolaan tehtailla pieni tulipalo, Turussa alakerta tuhoutui, Imatralla autokatos paloi ja Kontiolahdella saunassa syttyi tulipalo. #palohälytykset #turvallisuus 🇫🇮🔥