

## Option 1:

# A light-weight tool or agent for micro-drama script translation and poster generation

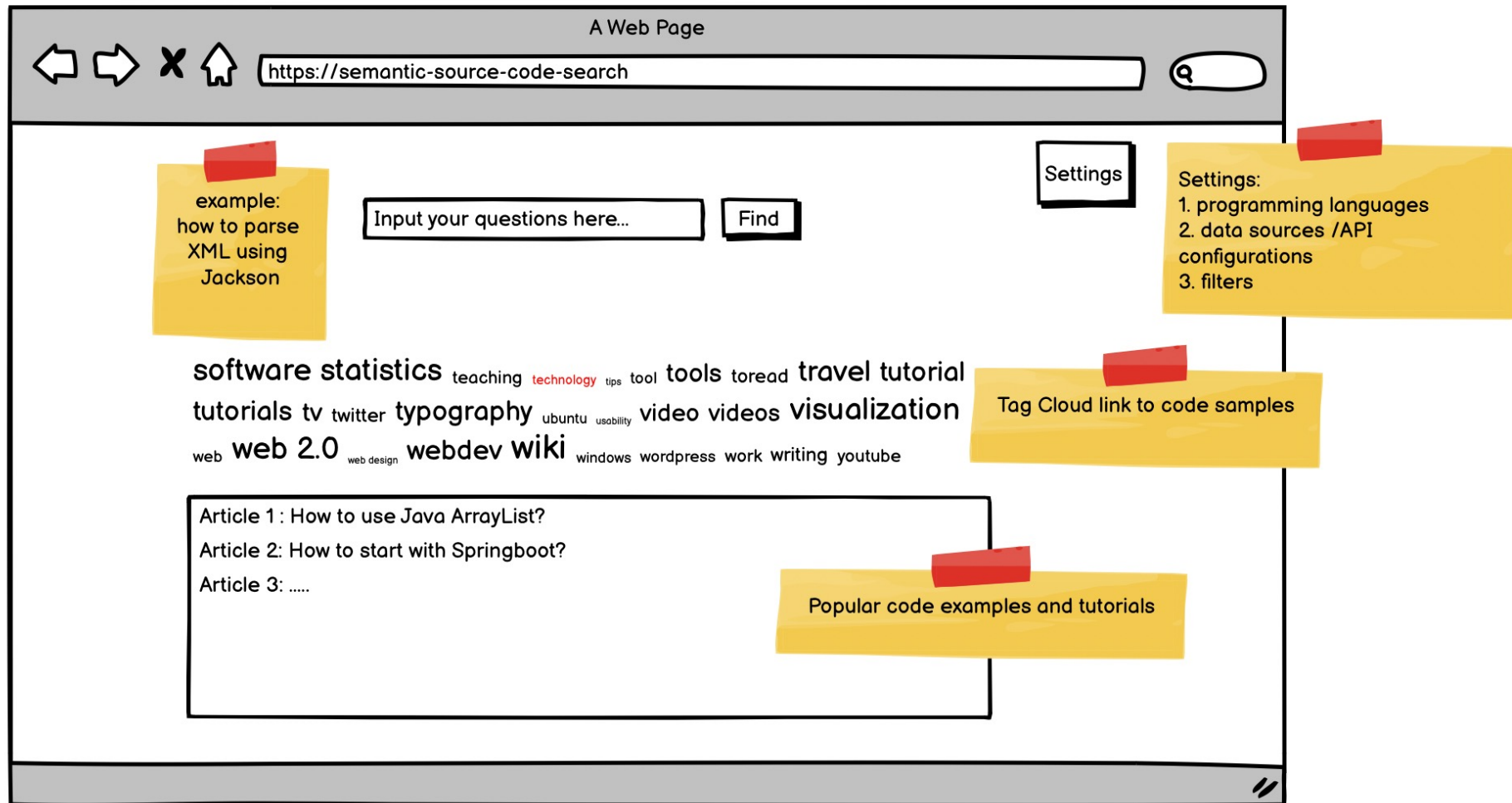
- Writers or producers can upload script files for vertical-drama/mini-drama/micro-drama (typically consisting of episodes ranging from 90 seconds to two minutes long) in Fountain format. The tool will translate and generate them in a specified target language, for example, English to Chinese or Chinese to English (users can select the target language).
- Based on the translated script content, the tool uses an external API to generate the script's genre and sentimental keywords, and displays them as a word cloud to the user.
- Based on the translated content, instead of the original version, the tool uses an external API to generate a plot summary.
- Writers or producers can select keywords from the word cloud, modify the plot summary, and then have the tool generate and polish prompts used for Text2Image services.
- After previewing and modifying the prompts, the user can use the tool to generate a poster of the micro-drama that matches the style friendly to the audience whose native language is the target language.
- Your solution must meet the restrictions of the individual project assignment.

# Option 2:

## A “Toy” Semantic Code Search Tool

- The user inputs a natural language based statement on the start page, and then the system finds useful source code examples and corresponding online materials to help the user learn programming.
- The system allows users to configure their preferred programming language.
- Please **DO NOT** try to develop a real semantic source code search engine due to time limitations. The real challenges are beyond the scope of your current skillsets.
- Please try to have your system understand not only the keywords in the inputs of the users but also the semantic meanings and context of the inputs. Again, this is already beyond your current skillsets and the scope of this course. Please try to do that by using some existing APIs instead of designing and implementing the learning models by yourself.
- This is just a “toy” application, please feel free to use any available web APIs to enhance the functionalities.

# Mockups – Start Page



# Mockups – Result Page

