

Software Development Flow

First step was to create design document.

Claude code cli has limited scrolling capabilities so I give samples for my conversation with claude.

Later we created 3 agents using claude code CLI mechanism. Example for how I asked calude to create an agent is:

This agent translates English text into French.

Input:

- An English sentence (string)

Output:

- The translation in French (string), with no explanation, no formatting, no additional text.

Rules:

- Do not add comments.

- Only output the translation.

- Maintain the original meaning and tone.

The 3 md files created by claude can be found in the repo.

Then we asked claude to create baseline file with 15 sentences, and 5 more versions with increasing percentage of spelling mistakes.

First create a baseline document with 15 entries. Each entry is one or two sentence long with 18-20 words. Then create 5 versions files, each version has increasing percentage of spelling mistakes. From 10 to 50.

Then we asked calude to run sentence by sentence and use the three agents to translate from English to French to Hebrew to English.

Run entry by entry in the baseline file, and apply 3 agents to translate from English to French, from French to Hebrew, and from Hebrew to English. Put the results in another file.

Finally, we took the results and used the python script to compare the results of each version to the baseline version.

As shown in the repository, there isn't much difference between the similarities or each version with the baseline. That means that probably the first agent that makes the translation from English to French makes good job, because we assume that it is hard to maintain spelling mistake percentage in the translated version.

We want to emphasise that for other tasks, where the simple agentic workflow doesn't work, it might be worth to explore more complex methodologies. For example, create more than 3 agents for this task, such as agent that translate back from French to English to reduce mistakes. Another option is to have an agent find distance between the original version and the translated version, and if the distance is large, repeat translation procedure.

Other than using the agent mechanism we used start workflow with claude code cli for creating and organizing the repository before uploading to git.