Prompt Engineering Strategies

View Point Based - Subject Identification

Primary Viewpoint

As the SCRIPT stands for (**S**ubject **C**reates **R**elevant, **I**mpactful and **P**olished **T**echnology), the very first step is to identify yourself and what is your view point, for example,

- I am a person who is interested in the weather forecast.
- Software developer
- User entering the application from the web browser
- Tester
- Product Manager
- etc.

Secondary Viewpoint(s)

Alternatively, you could take on a secondary view point(s), for example,

- I am a software developer who uses Automated Test Runner, such as Selenium.

Starting Strategy

This is what you believe is a good starting point for your subsequent activities.

Dart on the Wall

In this case, you don't give any hint to the LLM.

Educated Guess

- I believe NodeJS Express is a suitable framework for this purpose.
- Or, what you think is the reasonable starting point.

Example Based - Provide LLM Example

- Upload an example or links to examples.

Context Oriented - Relevancy

Context is in fact the boundary for activities. In essence, you are limiting the scope to make the GenAI run more efficiently and search a smaller set of information.

Context Broadening

As you progress with your project, you may feel that the initial context was set too small. You would like to expand the scope. This should be done sparingly, because it could radically change your interaction with GenAI. A better approach is to perform good initial research before setting the context. Otherwise, **it is always preferable to start another domain** (chat session).

Context Narrowing

One could **reduce** the context (scope). That sharpens the focus, for example,

- I don't want to use the node-fetch library.

Context Joining

This occurs when you have two or more ideas in an interaction session. You want to join these together.

Previously, I wanted to have BDD tests. I also wanted unit tests. Please join those together.

Context Splitting

This is a strategy, if you feel the problem is too big. And, you prefer focusing on one piece at a time. It is often associated with a sequence. For example,

Regarding the test, first write me the BDD test using Gherkin. Then, give me finer grainer unit tests as well as associated javadocs.

Context Shifting

This is when you feel the response has low relevancy. But, some of the technique suggestions are good.

The technology suggestion is good, but I want to focus on generic UI instead of specific screens.

Context Stiffening

This is to make your contextual boundary a lot easier to read and definite.

Definitely, don't use Powershell for scripting, instead use bash or zsh.

Objective Setting - Features Polishing

Objective is what you want. It is the goal.

Please write me a Nodejs application, which calls the NOAA API and makes weather predictions for this week.

Tightening Objective(s)

You are adding even more requirements.

Additionally, please also include the navigation bar.

Loosening Objective(s)

But, do not include complex CSS.

Objective Decorating

This means making your objective sound more fancy and adding more bells and whistles.

The the generated application should appear polished with appealing color and fonts.

Objective Smoothing - Only wording changes

This is pretty much self-explanatory. This means that the objective stays the same. But, the objective is worded differently and makes it easier to understand.

In the event that you encounter an error during the installation process, it is recommended that you consult the documentation provided by the software vendor for troubleshooting steps.

Reworded (simpler):
If you get an error while installing, check the software's guide for help.