

Report on Lab 2

I tried to complete all the tasks, and I hope the pulled version is a syntax complete one. But I did encounter some errors and limitations when I wanted to execute the tasks.

[Error1]

When I want to test my code, the local page jumped to the page like this:

Use the [@statel.ai/inspect](#) package to inspect live XState code.

To solve it, I tried to install a local Xstate package and add an Xstate extension in my Chrome, but nothing changed. At last, I found my bug was that my code has a syntax mistake so my dialogue machine cannot be triggered normally. To be specific, when I use guard transition, I used “cond” as the old-version official doc said, but it should be “guard” instead. I learned that checking the specific mistake in the console is a good way for debugging.

[Error2]

When my machine completed “GetPerson” and moved to the next state “AskDay”, I could not hear the question. I added debugging statements in my code to check where the bug lay and I found the console showed it had completed the state, though no voice was output. I guessed it may be caused by the limited time between two adjacent utterances, so I tried to add the delay initially—it failed. Then I tried to add a state “WaitingForSpeakComplete1”, which aimed to check if the last utterance was completed, and thus my flow was fixed. I copied the method in the next similar nodes.

[Error3-haven't fixed]

When I want to store the value of “name”, “day” and “time”, I cannot manage to do it. Furthermore, when I wanted to judge whether my answer was “Yes” or “No”, I also failed (Though I had written the grammar thoroughly). The console always reported that it “Cannot read properties of undefined (reading ‘value’)”. I noticed that all the bugs related to the function, I wonder if my method of calling a function was wrong.

[Limitation]

It is easy to notice that when the machine cannot recognize my utterance properly or my answer is out of grammar, the flow would be stuck in the present state. To fix the issue, I should add transition conditions to adapt to more complex situations. Faced with the deadline, I did not implement my idea this time (But I will focus on it when working on my final project).