

## Task 3. Improvements

- First things first, after writting the first version of my code I noticed 3 major things that could be improved.
- 1. Whatever question I was asking, all answers included in the grammar was valid. This means I could be asking, who are you meeting with, user says “monday” and it was perceived as a valid answer. What I did to fix that, was that I realized that I was only checking if something was in the grammar, even though I had already written explicit functions to get name, day, or time. So I stopped using the isingrammar function completely, and I just checked through the explicit get’something’ functions if what I am trying to get is defined or not.
- 2. Another thing I noticed was that the things that I needed to say was extremely specific. The names for example, I had to say Andrew to get myself, anything else was incorrect. So I added some more entries pointing to the same person. It doesn’t totally fix the problem but it does add some more flecibility. (like in the yes or no part, being able to say other things other than just yes or no)
- 3. In continuation of the second thing, except of not having many valid entries, I had a hard time making it understand what name I was even saying.. Most of the times it couldn’t hear and/or was predicting one wrong letter in the name, so it couldn’t match it to anything. Example: Bartiokas instead of Bartsiokas. I didn’t really try to fix this because I had a little sneak peak into lab4 and if I am not mistaken, we are taking care of this problem, or something like that.

## Some general comments

- Beginning the assigment I didn’t know where to start from. I totally understood what I was looking at and what the starter code was doing, but the only thing I could think of doing was literally copy pasting that block of code and just renaming the states and redirecting them to the next ones and so on and so forth. But this seemed “dumb” and not that easy to read. I was thinking that xstate was supposed to make things easier and the solution I had in mind was creating a huge script for an extremely simple problem.
- So I am ashamed to admit that I used generative AI, only to find out that it basically created the exact same thing I had in mind to begin with... So basically I just did that and then expanded on it.. Now why am I writting all these? I do totally understand what the code does and how each part interacts with the next one and when I look at points in the code “locally” like e.g. a certain information state maybe the “WhenDay” one. It makes perfect sense and it is nicely structured. But when I look at it as a whole I get lost quickly. Basically I cannot see how it is supposed to make things easier, when a really simple problem like that took hundreds of lines..
- Here is my question. Was my approach, and basically the reassurance of the ai completely wrong? I am sure there probably are way smarter/advanced ways to do it, but in the level we are supposed to be right now, the beginner one, was there a more obvious way to “solve” that problem, rather than basically repeating every step again and again, with different named states all doing the exact same thing and then pointing to other ones, again doing the same thing, etc etc etc..?