

I think the requirements in the lab were a bit vague which took a lot of time to process, a more detailed or explained steps would be better.

one thing also the punctuation was a very messy thing, I guess it would have been better if explained in the assignment that when the system is answering in the test file we need to add full stops and when asking we need question marks without adding them to the grammar as they will be generated by the GF later, this caused a lot of errors and was very frustrating until Jose mentioned it!

I have noticed the order of the questions matters, because it will test the very first match and if the first one needed a city and a country to be mentioned in the question it will not look for other questions and will simply crash!

Rasa has made a lot of fuss as it did not recognize the cities given and considered them as countries! Although it was trained several times. Take London as one of these! Although it was in the city file and I have changed the files also then retrained it so I can get a better result but no luck unfortunately.

Another thing made me wonder why is it not possible to have multiple answers for the system using the `<one-of></one-of>`? I tried doing that but did not succeed, and I also could not do this:

```
<question speaker="user" predicate="current_temperature" type="wh_question">
  <one-of>
    <item>What is the temperature</item>
    <item>How much is the temperature</item>
    <item>Can you give me the temperature</item>
    <item>Fetch me the temperature</item>
    <item>Get the temperature</item>
    <item>I want to know the temperature</item>
    <item>Do you happen to know the temperature</item>
    <item>I would like to know the temperature </item>
    <item>Give me the temperature</item>
    <item>Could you tell me the temperature </item>
    <item>Tell me the temperature </item>
    <item>I need to know the temperature </item>
  </one-of>
</question>

<answer speaker="user">
```

```

<one-of>
  <item> <slot predicate="current_temperature"/> in <slot predicate="selected_city"/> <slot
predicate="selected_country"/></item>

  <item> <slot predicate="current_temperature"/> in <slot predicate="selected_city"/> <slot predicate="selected_country"/>in
<slot predicate="preferred_unit" /></item>

  <item>In <slot predicate="selected_city"/></item>
  <item>In <slot predicate="selected_country"/></item>

  <item> <slot predicate="selected_city"/> <slot predicate="selected_country"/> </item>
  <item>In <slot predicate="selected_city"/> <slot predicate="selected_country"/> </item>
  <item> <slot predicate="selected_city"/>, <slot predicate="selected_country"/> </item>
  <item>In <slot predicate="selected_city"/>, <slot predicate="selected_country"/> </item>
</one-of>
</answer>

```

As it did not allow me to use a predicate of the sort string in the slot and it did not understand what I was trying to ask:

```

S> Do you want to know about the temperature or know the current
weather?
U> Get the temperature in Damascus Syria in kelvin
S> I heard you say Get the temperature in Damascus Syria in
kelvin. I don't understand. Do you want to know about the
temperature or know the current weather?
U> Get the temperature in Damascus Syria in kelvin
S> I heard you say Get the temperature in Damascus Syria in
kelvin. I don't understand. So, Do you want to know about the
temperature or know the current weather?
U> How much is temperature in Damascus
S> I heard you say How much is temperature in Damascus. I don't
understand. So, Do you want to know about the temperature or know
the current weather?
U> How is the weather in Gothenburg Sweden
S> The weather is overcast clouds.
U>
S> Returning to main menu. Do you want to know about the
temperature or know the current weather?
U> What is the temperature in Gothenburg Sweden
S> I heard you say What is the temperature in Gothenburg Sweden.
U>
S> I don't understand.
U> What is the temperature in Gothenburg Sweden
S> I heard you say What is the temperature in Gothenburg Sweden.
U> yes
S> So, Do you want to know about the temperature or know the
current weather?

```

The part I got a lot of problems in is the one to get the information from the API and then extract it because I had a very tiny mistake prevented from calling it and therefor, I spent a lot of time trying to make it work but Jose came to the rescue.

To be honest, at the end I had fun and can't wait to start the next lab and have new problems to solve .