**LINGUISTIC CHALLENGE SOLUTION**

**TASK 1:**

#JSGF V1.0 utf-8en;

grammar music\_play;

public <music\_play>=[can you|i want to|play me](put on | play |listen to|by )(<artist>|<song>|<genre>|<album>)[music];

<artist>= beatles |radio head |cake |pink floyd;

<song> = confortably numb |paranoid android |let it be |hey jude;

<genre>= jazz|pop|rock|indie;

<album>=ummagumma|revolver|low;

Limitations of the JSGF:-

It will be too cumbersome to keep adding the possible values for the tags and entities and statistically generated sentences might contains gibberish which hangs the bot and it won’t understand .

We can use vocab or datasets that will help us make our bot learn the conversation and understand the context much better.

**TASK 2 : LOCALIZATION IN GERMAN**

#JSGF V1.0;

grammar music\_play;

public <music\_play>=

[können Sie|ich möchte|Spiel mir ab](auflegen |

 |spielen|hören zu|bei )(<Künstler>|<Lied>|<Genre>|<Album>)[Musik];

<Künstler>= beatles |radio head |cake |pink floyd;

<Lied> = confortably numb |paranoid android |let it be |hey jude;

<Genre>= jazz|pop|rock|indie;

<Album>=ummagumma|revolver|low;

Sample Utterences examples(GERMAN)

Sample Utterences Examples

1)

[can you play]<unk> [beatles]<artist>

[können Sie]<unk>[beatles]<Künstler>

2) Can you please  put on a Beatles song?

[Können Sie bitte] <unk> [beatles] [auflegen]?