1. This is a **closed** domain chatbot and mainly trained on the MetaLWOz dataset from Microsoft. This large dataset was created by crowdsourcing 37,884 goal-oriented dialogs, covering 227 tasks in 47 domains. Domains include **bus schedules, apartment search, alarm setting, banking, and event reservation**. Each dialog was grounded in a scenario with roles, pairing a person acting as the bot and a person acting as the user. (This is the Wizard of Oz reference—using people behind the curtain who act as the machine). Each pair were given a domain and a task, and instructed to converse for 10 turns to satisfy the user’s queries. For example, if a user asked if a bus stop was operational, the bot would respond that the bus stop had been moved two blocks north, which starts a conversation that addresses the user’s actual need.

**Tools and libraries:**

* Pytorch

**Type of NLP model:**

* Encode-Decoder i.e Seq2seq with attention

**Steps to run:-**

* We have saved the trained encoder and decoder using **train.py (train.ipynb)**, which is getting utilized in the Gradio (GUI) chatbot dashboard.
* To run the chatbot , just fire **predict.ipynb** or run **predict.py** file, it will give the clickable local host link. Open the link, this is our chatbot.

