Knowledge Base – *Interstellar*

1. **describe how you created your knowledge base, include screen shots of the knowledge base, and indicate your top 10 terms;**

I manually chose my top 10 terms from the list of the top 40 tf terms. The terms I chose were:

1. film
2. interstellar
3. hole
4. science
5. time
6. Nolan
7. years
8. space
9. light
10. world

I chose these 10 words because I feel like they grasp the most important aspects about the topic of *Interstellar*. Some terms describe its basic qualities like how it is a film and who it is directed by, but most of the terms describe specific aspects of the movie that are very unique. With these terms, we can create many interesting facts in our knowledge base to implement in our chat bot.

Here is my knowledge base that I created as a sql file:

Table

Description automatically generated

1. write up a sample dialog you would like to create with a chatbot based on your knowledge base

Sample query:

***Me:*** *Tell me more facts about “hole”*

***Chatbot:*** *There are different types of holes that exist in space. In the movie Interstellar, they showed black holes and worm holes. Which type of hole do you want to learn about?*

***Me:*** *Tell me about black holes*

***Chatbot:*** *Black holes are created when a star dies and collapses in on itself. Right at the moment of its creation, a gigantic explosion is released which is called a supernova. This supernova creates so much light and energy that it can be seen billions of light years away! After a black hole is born, it will suck in all matter and light through gravity and grow as it consumes more and more.*

***Me:*** *Wow! Black holes seem really cool but also scary! I hope that we don’t get consumed by a black hole!*

***Chatbot:*** *You will not have to worry about that. It is highly unlikely that Earth will get consumed by a black hole. We are very far from any black holes. In fact, it would take billions of years for us to even get dangerously close to a black hole!*

***Me:*** *Wow, that’s reassuring. Thanks for the info!*