Nick Johnson

NPJ190000

CS 4395.001

Chatbot Report

NLP Techniques:

I am using NER to capture the user's name and where they are from.

Sample Dialog Interactions:

User: Who is the AHL affiliate team for the Dallas Stars?

Chatbot: The AHL affiliate of the Dallas Stars is the Texas Stars.

User: Where do the Dallas Stars play their home games currently?

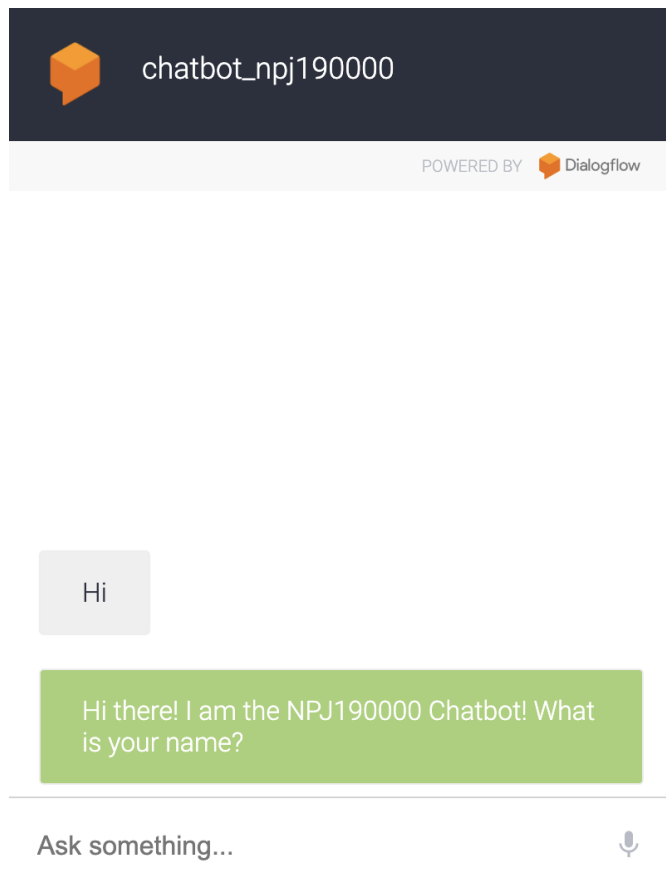Chatbot: The Dallas Stars play their home games in the American Airlines Center in downtown Dallas.

Knowledge Base:

```python
# creating a knowledge base dict of term : fact for 10 terms
base = {
    'NHL': 'The NHL, or the National Hockey League, is the league that the Dallas Stars play in.',
    'hockey': 'Hockey is a sport played on ice between two teams each with five skaters and a goalie.',
    'Modano': 'Mike Modano is the all-time goals and points leader for American-born players in NHL history.',
    'relocation': 'The Dallas Stars relocated from Minnesota when they were known as the North Stars in 1993.',
    'Stanley': 'The Dallas Stars won the Stanley Cup in 1999.',
    'American': 'The Dallas Stars play their home games in the American Airlines Center in downtown Dallas.',
    'Western': 'The Dallas Stars play in the Western Conference of the NHL. ',
    'captain': 'The current captain of the Dallas Stars is Jamie Benn.',
    'AHL': 'The AHL affiliate of the Dallas Stars is the Texas Stars.',
    'Reunion': 'The Dallas Stars played home games at Reunion Arena from 1993 to 2001.'
}
```
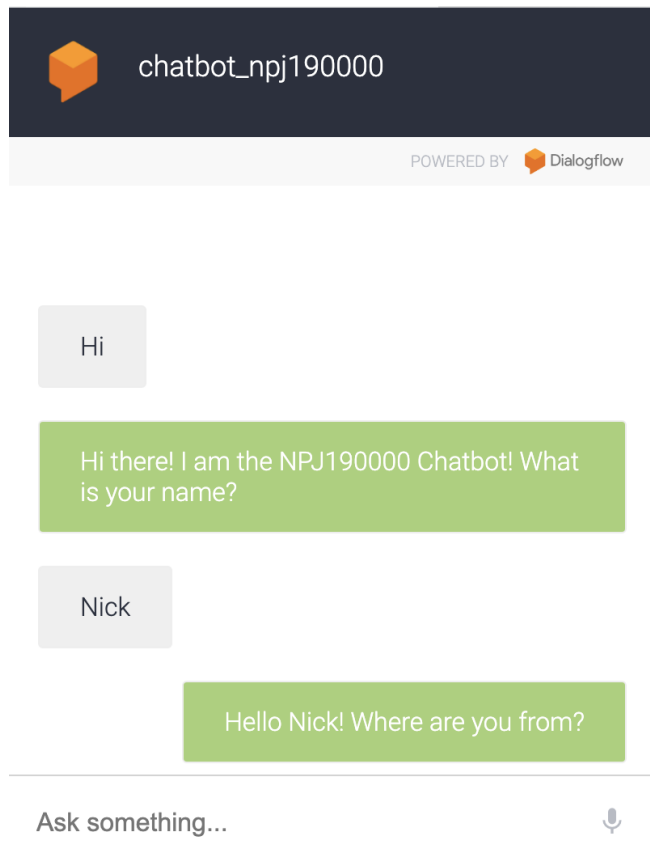
I'm choosing to reuse my knowledge base from the Web Crawler assignment.

Dialog Tree/Logic:

Start by saying some variation of "Hi" or "Hello". The chatbot will say hi and ask for your name.

After entering your name, the chatbot will ask where you're from.

Input the city you're from. The chatbot will recognize the input as a city and then ask how it can help you.

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Hi there! I am the NPJ190000 Chatbot! What is your name?

Nick

Hello Nick! Where are you from?

Dallas

Thank you, Nick from Dallas! How can I help you today?

Ask something...

You can also ask the chatbot to output your information.

From there, you can ask questions about items from the knowledge base and you will get interactions like those in the Sample Dialog Interactions section above and in the picture below.

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POWERED BY Dialogflow

Thank you, Nick from Dallas! How can I help you today?

Who am I?

Your name is Nick and you are from Dallas.

What conference do the Dallas Stars play in?

The Dallas Stars play in the Western Conference of the NHL.

Ask something...