

GUS was designed to simulate a travel advisor and had access to a database containing limited information about airline flight times.

dialogue example used in class (from the paper)

```
GUS    Hello. My name is GUS.  I can help you plan a
        simple trip by air.  Where do you want to go?
Client I want to go to San Diego on May 28.
GUS    What time do you want to leave?
Client          I must be in San Diego before 10 AM.
GUS    Would you like P.S.A. flight 102 that arrives at 9:15AM?
Client What is the next flight?
GUS    Air California fight 310 that leaves at 8:30AM and
        arrives at 10AM.
Client I'll take the first one.
GUS    In what name should I make a reservation, please?
Client Dan Bobrow
GUS    I have confirmed the following flight:
        P.S.A. flight 102 on Wednesday May 28 from San Jose to
        San Diego that leaves at 7:30AM and arrives at 9:15AM.
        What date do you want to return on?
Client On Friday in the evening.
GUS    Would you like the flight that leaves at 7:45PM?
Client That's fine.
GUS    I have confirmed the following flight:
        P.S.A. flight 307 on Friday May 30 from San Diego to San
Jose    that leaves at 7:45 PM and arrives at 9:30PM.
        Thank you for calling.  Goodbye.
```

sample frames

() indicates default value

trip-plan

```
order-date      : (today)
client          : (client)
tripspecification:(TripSpecification)
```

TripSpecification

```
homeport        : (TripPoint)
ForeignPort     : (TRipPoint)
OutwardLeg      : (TripLeg)
InwardLeg       : (TripLeg)
```

TripLeg

FromPlace : [try filling with current location]
TravelDate : [ask client]
Departurespec :
Arrivalspec :

Date

year : (current)
day :

GUS Hello. My name is GUS. I can help you plan a
simple trip by air. Where do you want to go?

Client I want to go to San Diego on May 28.
GOAL San Diego
DATE May 28

GUS What time do you want to leave?

Client I must be in San Diego before 10 AM.
AVIAVAL 10:00
RESTRICTION <
GOAL San Diego

GUS Would you like P.S.A. flight 102 that arrives at 9:15AM?

Client What is the next flight?
QUERY flight
CONSTRAINT time
SEARCH next

GUS Air California fight 310 that leaves at 8:30AM and
arrives at 10AM.

Client I'll take the first one.
CONFIRM PSA-102

GUS In what name should I make a reservation, please?

Client Dan Bobrow
NAME Dan Bobrow

GUS I have confirmed the following flight:
P.S.A. flight 102 on Wednesday May 28 from San Jose to
San Diego that leaves at 7:30AM and arrives at 9:15AM.
What date do you want to return on?

Client On Friday in the evening.
DATE May 30
TIME 20:00
RESTRICTION >

GUS Would you like the flight that leaves at 7:45PM?

Client That's fine.

CONFIRM last

GUS I have confirmed the following flight:
P.S.A. flight 307 on Friday May 30 from San Diego to San
Jose
that leaves at 7:45 PM and arrives at 9:30PM.
Thank you for calling. Goodbye.

For input sentence information of:

GOAL San Diego

DATE May 28

Issue command:

```
(fneed input_sentence
  current_frame frame-
  goal San_Diego
  date May_28
)
```