

A Appendices

A.1 Generated Dialog Example

Speaker	Utterance	Dialog Act
usr	i am looking for a restaurant which is in the centre area.	inform_type
sys	Do you have a preference on the food and pricerange?	ask_type
usr	i would like the swedish food. i don't care about the pricerange.	inform_type
sys	I am sorry, but there are no restaurants matching your request. Is there anything else I can help you with?	nomatch_result
usr	what about chinese food?	inform_type_change
sys	charlie chan is a chinese restaurant on the centre side of town. It's in the cheap price range. Is there anything else I can help you with?	present_result
usr	are there any other options?	anything_else
sys	jinling noodle bar is a chinese restaurant on the centre side of town. It's in the moderate price range. Is there anything else I can help you with?	present_result
usr	can you help me to make a reservation on 15:15?	make_reservation
sys	Could you please tell me how many people and what day you would like for the reservation?	ask_reservation_info
usr	can you help me to make a reservation for 5 people on monday?	make_reservation
sys	I have booked the reservation for you. And you reference number is ABC.	booking_success
usr	thank you for helping me! goodbye	goodbye

Figure 6: Generated dialog example

A.2 Human Evaluation Interface

Please read this instruction you begin the task.

You will receive a **goal** describing a specific restaurant. You need ask your partner to help you find a restaurant matching the goal

Tips:

Please type in appropriate responses based on the goal, for example,

- Provide specified restaurant type, e.g. area, etc.
- Ask for information about the recommended restaurant, e.g. phone number, etc.
- Provide reservation information, e.g. number of people, etc.
- Ask if there is a different restaurant.
- Normal chat. (e.g. thank you, goodbye, ... etc)

Please follow the goal literally and DO NOT change the exact word (e.g. changing "moderate" to "mid priced" is not allowed) and DO NOT deviate from the task (e.g. asking restaurant information in a place not provided in the goal is not allowed.). Make sure you finish your goal before exiting the task, otherwise you MAY NOT get the payment.)

I agree

Submit

Figure 7: Task instructions for human evaluation

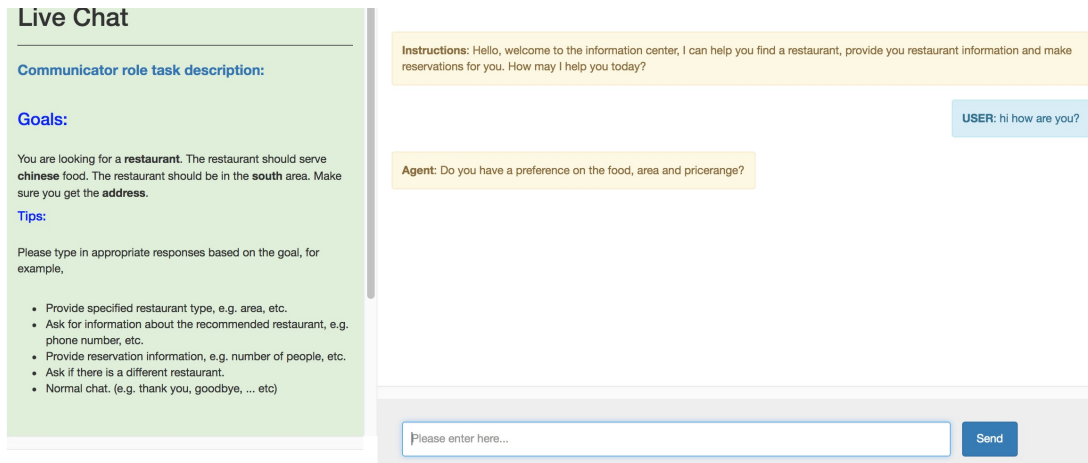


Figure 8: User chat interface

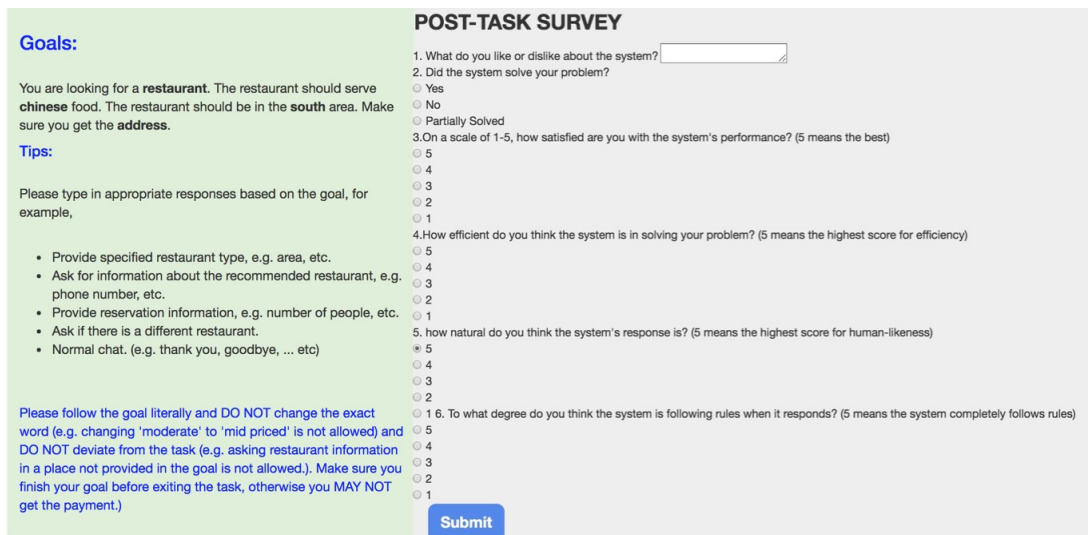


Figure 9: User survey interface