Appendix A

1 Error types detailed examples

1.1 Spelling

#	Utterance	Paraphrase
1	Is it chillier here	Is it Colder Here ?
2	book a party of 4 for a cafe rated best	booking a 4 party for a best rated cafe
3	What is the weather forecast for Manassa?	What's the weather prognosis forManassa ?

Table 1: Spelling error samples.

1.2 Grammar

#	Utterance	Paraphrase
1	is it cold in Vigus TN	if it's cold in ~~the~~ Vigus TN
2	Will there be wind in Hornitos DC?	Will there are winds at Hornitos DC?
3	is it freezing in Prompton	Was it frozen in Prompton?
4	I want to book a restaurant in Massachusetts for six p.m.	I wants to book one restaurant in MIT for 6 p.m.

Table 2: Grammar error samples.

1.3 Semantic

#	Utterance	Paraphrase
1	What's the weather in Poland?	What is the time in Poland?
2	is it freezing in Prompton	Was it frozen in Prompton?
3	Book a place now for 2	Buy a place now for 2
4	What's the weather in Nigeria?	What is the time in Nigeria?

Table 3: Semantic error samples.

1.4 Redundant

#	Utterance	Paraphrase
1	I need a table in Elba for ten that has a bar	I need a table in Elba for ten that has a bar. That has a bar .
2	Book spot in Fults in Federated States Of Micronesia	Book spot at Fults in the Federated Federal States of Micronesia.
3	Will it be colder in Texas?	Will it'll be cool in Texas?
4	i need a table for 7 in Kashegelok VT	I need a table for 7 in Kashegelok VT. A single table of 7 is required.

Table 4: Redundant error samples.

1.5 Duplication

#	Utterance	Paraphrase
1	Book me a lunch at Boreas for a party of 8	Book me a lunch at Boreas for a party of 8!
2	I want to book a restaurant for 3 people in Ohio.	I want to book a restaurant for 3 people in Ohio).
3	Book spot at Fried chicken restaurant in Mauritania	Book spot at Fried chicken restaurant in Mauritania.

Table 5: Duplication error samples.

1.6 Incoherent

#	Utterance	Paraphrase
1	book restaurant at ten that has internet	restaurant at ten, the internet has
2	book spot at a highly rated restaurant in Tajikistan	Why are most of the tourists here in Tajikistan eating only a book spot at a highly rated restaurant?
3	I need a table in Anderson Arkansas	I need a table in Anderson Arkansas to go with my husband and wife . I am 26 years old

Table 6: Incoherent error samples.

1.7 Punctuation

#	Utterance	Paraphrase
1	What will the weather be in Deer River?	What will be the weather in Deer River ??
2	Will it be cold in Haiti?	Will There Be Cold in Haiti ?.
3	book a table for me, heidi and cara in Saudi Arabia	Book a table for me, Heidi and Cara in Saudi Arabia !

Table 7: Punctuation error samples.

1.8   Slot addition

#	Utterance	Paraphrase
1	Tell me the weather forecast for France	Tell me the weather forecast for France for the weekend .
2	need to book a table in Ludden	need to book a table in Ludden for dinner .
3	Is the weather chilly in Pintura	Is the weather too cold in Pintura for winter ?

Table 8: Slot addition error samples. The underlined tokens are the the required slots and their respective values: (1) country="France" (2) city="Ludden" (3) city="Pintura" and condition_temperature="chilly".

1.9   Slot omission

#	Utterance	Paraphrase
1	What is the weather in Weidman will it be warm	What is the weather like in Weidman?
2	Will it be warmer near here on jan. the fifteenth?	Will it be warmer here on the fifteenth?
3	Book a spot for now in NY for 10	Book a place in NY for 10

Table 9: Slot Omission error samples. The underlined tokens are the the required slots and their respective values: (1) condition_temperature="warm" and city="Weidman" (2) spatial_relation="near", timeRange="jan. the fifteenth", current_location="here" and condition_temperature="warmer" (3) timeRange="now", state="NY" and party_size_number="10".

1.10   Wrong Slot

#	Utterance	Paraphrase
1	What is the weather forecast here	What is the forecast for the weather in the future ?
2	I want to book a restaurant in 40 weeks in Iowa.	I want to book a restaurant in Iowa for 40 weeks .
3	What's the weather in FL?	What Is the Weather in LF ?
4	Book a spot for now in NY for 10	Book a spot for now in NY for 10$

Table 10: Wrong Slot error samples. The underlined tokens are the the required slots and their respective values: (1) current_location="here" (2) timeRange="in 40 weeks" and state="Iowa" (3) state="FL" (4) timeRange="now", state="NY" and party_size_number="10".

1.11   Wordy

#	Utterance	Paraphrase
1	I need to find a table for 4 at a brasserie that has fondue	I needs to find a desk for 4 in a brasserie ~~that is fucked~~.
2	Need a table for 6 close to Big Sandy	~~You~~ need a table for 6 near Big Sandy
3	I want to eat in Wallis and Futuna and get a blizzard	I want to eat in Wallis and Futuna and get a blizzard. ~~I want to make it a picnic for my friends.~~

Table 11: Wordy error samples.

1.12   Homonym

#	Utterance	Paraphrase
1	What is the weather forecast for Danvers	What is the weather forecast for Danvers (Denver)?
2	Will there be wind in Hornitos DC?	Will there be wind in Hornito's DC?
3	find me a restaurant in Pembine Montana	find myself a restaurant on Pembin Montana
4	Will it be temperate in West Liberty MH?	Will it'll be temperate in West Freedom MH?
5	Will the weather be good at breakfast in Bay Harbor Islands	Is the weather good for breakfast in the Bay Puerto Islands?

Table 12: Homonym error samples.

1.13   Answering

#	Utterance	Paraphrase
1	is Saint Robert hotter than Turkmenistan?	Saint Robert is hotter than Turkmenistan.
2	Weather in Malaysia	The weather in Malaysia is weather-wise and seasonally favorable.
3	book spot for 4 in Somalia	Book spot for 4 in Somalia is available for free.

Table 13: Answering error samples.

1.14   Questioning

#	Utterance	Paraphrase
1	Is it hot in the current location?	Is it hot in the current location? If so, why?
2	Is it cold here?	Is it cold here in the US? Why or why not?
3	I want to book a restaurant for five people.	I want to book a restaurant for five people. What dates do you need? Why do you need to book?

Table 14: Questioning error samples.

1.15   Acronym

#	Utterance	Paraphrase
1	book a table in CA for 2 people in 3 hours	booking a table in Central Asia for 2 people in 3 hours
2	book a restaurant in NE for ascension day in Cle Elum that serves seafood for me and my nieces	booking a diner in north-east for the day of ascension in Cle Elum which serves seafood to me and mine nieces.

Table 15: Acronym error samples.

1.4   Redundant

#	Utterance	Paraphrase
1	I need a table in Elba for ten that has a bar	I need a table in Elba for ten that has a bar. That has a bar .
2	Book spot in Fults in Federated States Of Micronesia	Book spot at Fults in the Federated Federal States of Micronesia.
3	Will it be colder in Texas?	Will it'll be cool in Texas?
4	i need a table for 7 in Kashegelok VT	I need a table for 7 in Kashegelok VT. A single table of 7 is required.

Table 4: Redundant error samples.

1.5   Duplication

#	Utterance	Paraphrase
1	Book me a lunch at Boreas for a party of 8	Book me a lunch at Boreas for a party of 8!
2	I want to book a restaurant for 3 people in Ohio.	I want to book a restaurant for 3 people in Ohio).
3	Book spot at Fried chicken restaurant in Mauritania	Book spot at Fried chicken restaurant in Mauritania.

Table 5: Duplication error samples.

1.6   Incoherent

#	Utterance	Paraphrase
1	book restaurant at ten that has internet	restaurant at ten, the internet has
2	book spot at a highly rated restaurant in Tajikistan	Why are most of the tourists here in Tajikistan eating only a book spot at a highly rated restaurant?
3	I need a table in Anderson Arkansas	I need a table in Anderson Arkansas to go with my husband and wife . I am 26 years old

Table 6: Incoherent error samples.

1.7   Punctuation

#	Utterance	Paraphrase
1	What will the weather be in Deer River?	What will be the weather in Deer River ??
2	Will it be cold in Haiti?	Will There Be Cold in Haiti ?.
3	book a table for me, heidi and cara in Saudi Arabia	Book a table for me, Heidi and Cara in Saudi Arabia !

Table 7: Punctuation error samples.

1.8 Slot addition

# Utterance	Paraphrase
1 Tell me the weather forecast for France	Tell me the weather forecast for France for the weekend .
2 need to book a table in Ludden	need to book a table in Ludden for dinner .
3 Is the weather chilly in Pintura	Is the weather too cold in Pintura for winter ?

Table 8: Slot addition error samples. The underlined tokens are the the required slots and their respective values: (1) country="France" (2) city="Ludden" (3) city="Pintura" and condition_temperature="chilly".

1.9 Slot omission

# Utterance	Paraphrase
1 What is the weather in Weidman will it be warm	What is the weather like in Weidman?
2 Will it be warmer near here on jan. the fifteenth?	Will it be warmer here on the fifteenth?
3 Book a spot for now in NY for 10	Book a place in NY for 10

Table 9: Slot Omission error samples. The underlined tokens are the the required slots and their respective values: (1) condition_temperature="warm" and city="Weidman" (2) spatial_relation="near", timeRange="jan. the fifteenth", current_location="here" and condition_temperature="warmer" (3) timeRange="now", state="NY" and party_size_number="10".

1.10 Wrong Slot

# Utterance	Paraphrase
1 What is the weather forecast here	What is the forecast for the weather in the future ?
2 I want to book a restaurant in 40 weeks in Iowa.	I want to book a restaurant in Iowa for 40 weeks .
3 What's the weather in FL?	What Is the Weather in LF ?
4 Book a spot for now in NY for 10	Book a spot for now in NY for 10$

Table 10: Wrong Slot error samples. The underlined tokens are the the required slots and their respective values: (1) current_location="here" (2) timeRange="in 40 weeks" and state="Iowa" (3) state="FL" (4) timeRange="now", state="NY" and party_size_number="10".

1.11   Wordy

#	Utterance	Paraphrase
1	I need to find a table for 4 at a brasserie that has fondue	I needs to find a desk for 4 in a brasserie ~~that is fucked~~ .
2	Need a table for 6 close to Big Sandy	~~You~~ need a table for 6 near Big Sandy
3	I want to eat in Wallis and Futuna and get a blizzard	I want to eat in Wallis and Futuna and get a blizzard. ~~I want to make it a picnic for my friends.~~

Table 11: Wordy error samples.

1.12   Homonym

#	Utterance	Paraphrase
1	What is the weather forecast for Danvers	What is the weather forecast for Danvers (Denver)?
2	Will there be wind in Hornitos DC?	Will there be wind in Hornito's DC?
3	find me a restaurant in Pembine Montana	find myself a restaurant on Pembin Montana
4	Will it be temperate in West Liberty MH?	Will it'll be temperate in West Freedom MH?
5	Will the weather be good at breakfast in Bay Harbor Islands	Is the weather good for breakfast in the Bay Puerto Islands?

Table 12: Homonym error samples.

1.13   Answering

#	Utterance	Paraphrase
1	is Saint Robert hotter than Turkmenistan?	Saint Robert is hotter than Turkmenistan.
2	Weather in Malaysia	The weather in Malaysia is weather-wise and seasonally favorable.
3	book spot for 4 in Somalia	Book spot for 4 in Somalia is available for free .

Table 13: Answering error samples.

1.14   Questioning

#	Utterance	Paraphrase
1	Is it hot in the current location?	Is it hot in the current location? If so, why?
2	Is it cold here?	Is it cold here in the US? Why or why not?
3	I want to book a restaurant for five people.	I want to book a restaurant for five people. What dates do you need? Why do you need to book?

Table 14: Questioning error samples.

1.15   Acronym

#	Utterance	Paraphrase
1	book a table in CA for 2 people in 3 hours	booking a table in Central Asia for 2 people in 3 hours
2	book a restaurant in NE for ascension day in Cle Elum that serves seafood for me and my nieces	booking a diner in north-east for the day of ascension in Cle Elum which serves seafood to me and mine nieces.

Table 15: Acronym error samples.