Chatbot Domain Questionnaire

Please fill electronically or print/fill/scan and email to [bgalitsky@hotmail.com](mailto:bgalitsky@hotmail.com)

Use course material at <https://www.dropbox.com/sh/y80860449hpqt48/AADDVC5rGKVaFlC3P5Om-NNfa?dl=0>

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Chatbot domain: *entertainment*

Typical initial queries/requests:

*What events are taking place nearby? What are these events?*

List a few dialogues you plan to support:

*Request geolocation*

*Event category*

*Selection of a* *suitable event*

Draw a state diagram including state transitions and conditions for transitions

Request geolocation

Request event category

Request amount

Quest

Concert

Stand-Up

Festival

Fair

Exhibition

Baby

Paid

Free

Suitable event

Draw system architecture of your chatbot. Please include:

User

KudaGo

Dialog System

Telegram1111

Put geolocation

Put category

Get geolocation

Get category

Give result

Draw the search engine architecture for your chatbot (if applicable) Please include:

Index structure

Index configuration

Structure of inverse index (if applicable)

Open source system in in use (SOLR, ElasticSearch, if applicable)

url = "https://kudago.com/public-api/v1.3/search/?q=" + type\_of\_events + "&page\_size=5&location=msk&is\_free=" + str(is\_free)

Manual coded rules for dialogue management? Please provide example of rules and example utterances

*If the user has requested information about the quest/fair/concert/exhibition/ stand-up/festival, we go to the appropriate section on the site KudaGo and ask for age. Next, go to the appropriate age category and ask about payment for the event and display the suitable event.*

Frames and templates for your chatbot? How will you match user utterances with your codes/representations for user utterances

*We have a set of activation words that match the user's messages with the rules described above.*

Does your chatbot need entity extraction? Please explain what kinds of entities are important. Are you going to use an NLP technique for entity extraction?

*This chatbot is built on rules.*

Any multimodal interactions for your chatbot?

*This chatbot have one modal.*

Are you going to support probabilistic state transitions? Please suggest an example dialogue and state transition diagram.

*Issued synonymous phrases that do not relate to the information received, chatbot will be issued with different probabilities.*

Do you envision your chatbot using reinforcement learning? What kind of scenarios can be supported?

*This chatbot is built on rules.*

Handling relevance: if some utterances are search queries, how are you going to make them relevant? How to measure similarity between questions and answers (Chapter 5)?

*Our chat bot uses keywords that it will use to search the site KudaGo.*

Will your chatbot have a content management system (Chapter 9)?

Information from the site KudaGo

Result

System

Will your chatbot include a database? Will user utterances be converted into SQL queries (Chapter 4)?

*Our chat bot havn’t a database. It only refers to the site KudaGo*