Xatkit chatbot development platform

What is Xatkit?

Xatkit ([https://github.com/xatkit-bot-platform/xatkit](https://github.com/xatkit-bot-platform/xatkit), [https://xatkit.com/](https://xatkit.com/)) has been created to reduce boilerplate code, complex API understanding, and technical details to facilitate the definition and deployment of your bots. Xatkit helps you focus on what really matters: the conversation logic you want to embed in your chatbot.

To do so, we have baked a chatbot-specific definition language to specify user intentions, receive events (your bots can also be proactive!), and bind them to computable actions following powerful state machine semantics. Our chatbot language is implemented as a Java Fluent Interface combining the low-code benefits of using a dedicated chatbot Internal DSL with the full power of Java when you need to write complex bot behaviours.

This chatbot specification is then handled by the Xatkit Runtime Engine, which automatically manages its deployment and execution. See some examples of what you can do with Xatkit! Reuse the existing platforms (or add your own) to make your bot talk with external services (Slack, GitHub, websites,...).

Chatbot generator for databases

Chatbots are useful to explore data and ask questions about it. This chatbot could be automatically generated from the schema of the data. The idea would be to build a generator that given a MySQL database, reads the schema of the database and automatically generates a chatbot that user could use to ask questions about the data in the database. We have done this for other types of data sources (like Open data APIs) but not yet for databases.

For instance, if a database contains information about invoices, products, clients,… the generated chatbot should be able to understand (and answer) questions like “give me all clients” or “how many products are linked to the invoice X”.

The project would include:

- Defining question & answer patterns for each typical data model
- Applying the patterns on the target database provided as input of the generation
- Define the test suite to check the generator
- Experiment with a real database to validate the usefulness of the generated chatbot
Contact and additional info

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