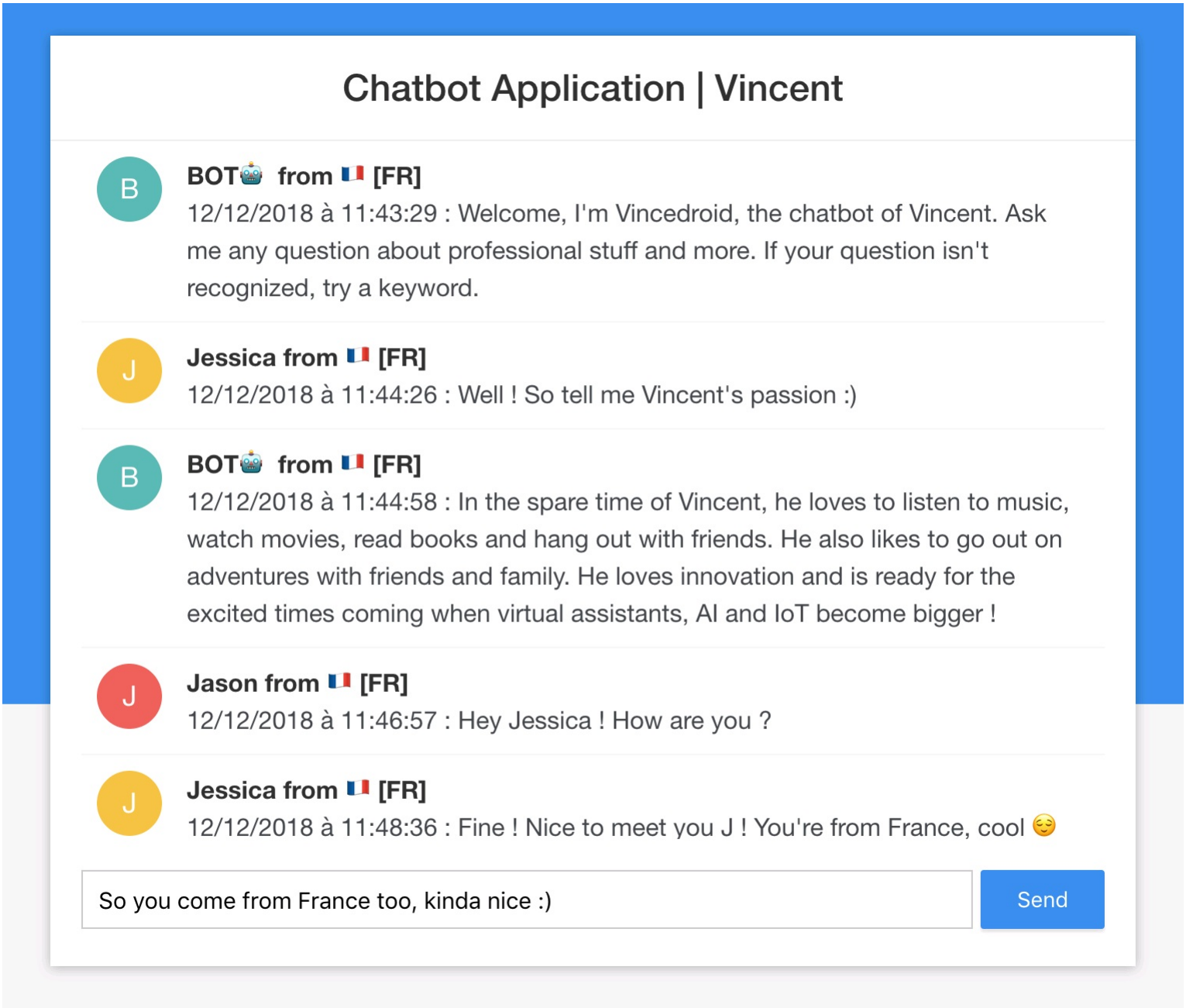
chatbot_webservice

Intelligent and interactive resume website (responsive) with a chatbot communication using Gradle webservice. The chatbot have the capacity to interact with the résumé information with a personalized style of talk.

2 in 1 chatbot application that can both play the role as a Robot and as a Web-service Chat. Everybody all around the world can contribute into the chatbot application, every message will be located with the name of the users and the corresponding flag. Here a demo between the chatbot and two humans from France :



Requirements

Web Framework:

- Spring boot

Languages:

- Java,
- HTML5,
- CSS3,
- Javascript,
- Groovy,
- Sqlite
- XML
- JSON

Build system:

- gradle
- maven (to compile Java code)

Package:

- NLP (Natural Language Processing) with Compromise : https://github.com/spencermountain/compromise

Run server

- cd server
- ./gradlew bootRun

Server

- ChatController.java
- Message --> User, Date, Message

Web client to open in web browser

- firefox client/index.html

Client

- index.html : Display the page with the correspondant updated div.
- style.css : Give an intuitive look to the page.
- main.js : Every control is done in this area.
- detect_location.js : Information from users IP.
- Compromise package for NLP.

Integration tests

To run Curl-style integration tests --> you need to install curl, jq then run

- cd test

send a message with the terminal :

- curl -X POST -H "Content-Type: text/plain" http://localhost:8080/api/new-message -d 'Hello there'
- ./new-message "Your message"

Ask server to display ALL messages :

- curl http://localhost:8080/api/messages | jq .
- ./read-messages

You can also run java tests from directory 'server/src/tests/java' by :

- ./gradlew test