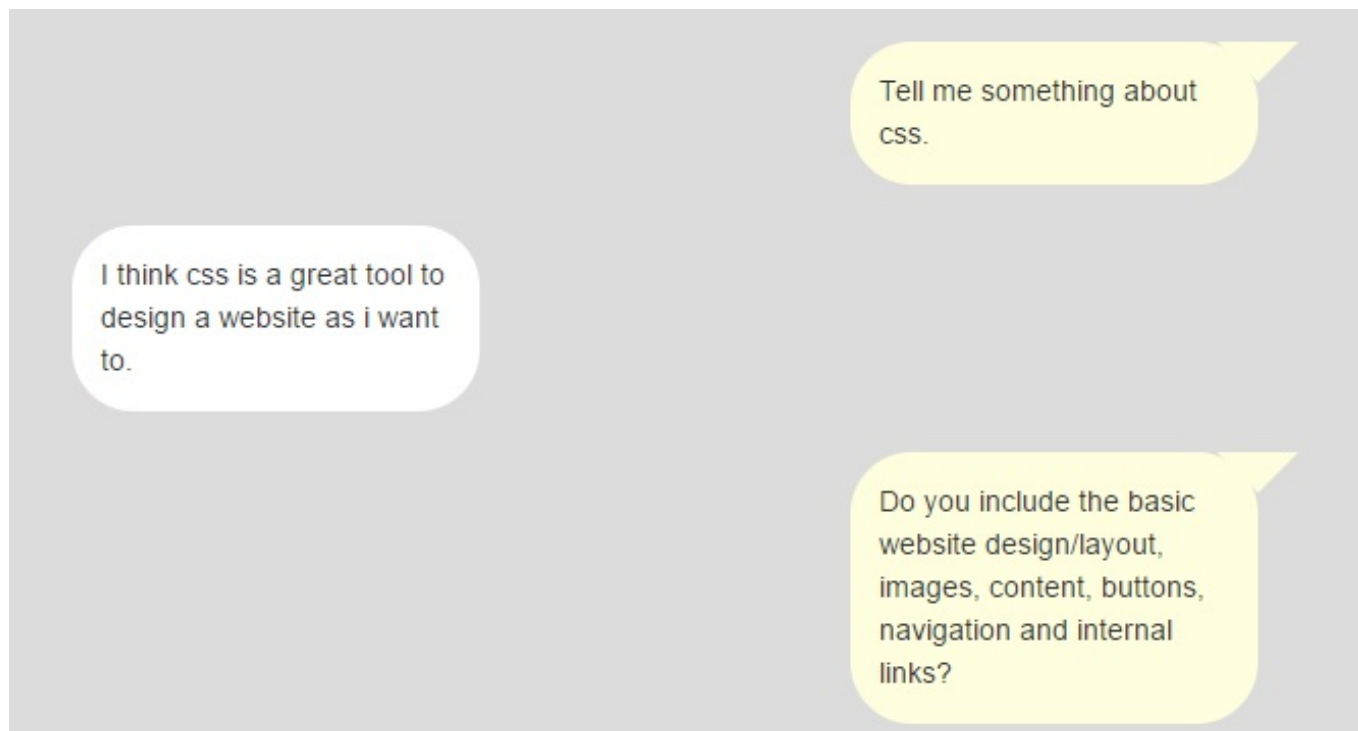


# PIVOT. Bots

PIVOT. Bots is a framework to create chatbot-based automatic assessments.



The bots learn from domain-specific text you provide by extracting keywords and questions.

In the dialogue later, they evaluate users based on measuring associated sentiments in the answers given.

## Features

- Create, import or export separate profiles and bots.
- Teach bots with domain-specific corpora.
- Generate and/or retrieve questions with extracted data.
- Assess during interaction by sentiment analysis.
- In-depth graphical result presentation.

# Run

You need [Java](#) (Win/Unix) installed.

Run the webapp (port 9000) with the standalone jar-file

```
java -Dninja.port=9000 -Dninja.mode=test -jar pivot-bot-1.0.jar
```

And call <http://localhost:9000>.

To use a pre-trained bot, import the included **FroBa**.db file. It assesses your affinity to either backend or frontend dev.

## Build from source

You need [Apache Maven](#) (Win/Unix) installed.

In the project directory, use

```
mvn clean package
```

After that, you find the created jar file in */target*

To run the project in dev mode (hot reload), use

```
mvn ninja:run -Dninja.port=9000
```

For further configuration (e.g. ssl for prod mode) and deployment options (e.g. as servlet), see

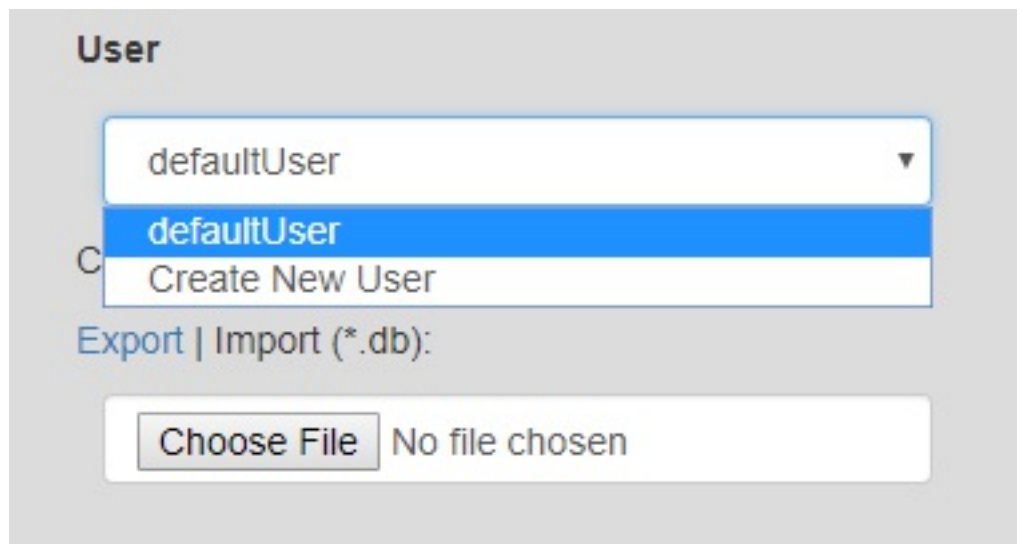
[http://www.ninjaframework.org/documentation/deployment/ninja\\_standalone.html](http://www.ninjaframework.org/documentation/deployment/ninja_standalone.html)

# Usage

## /settings

First, create a new user and a new bot to identify your progress.

You may export or import a \*.db file to other systems.



The screenshot shows a web interface for user management. At the top, the word "User" is displayed. Below it is a dropdown menu with "defaultUser" selected and highlighted in blue. To the left of the dropdown is a partially visible "Create New User" button. Below the dropdown, there are links for "Export" and "Import (\*.db)". At the bottom, there is a "Choose File" button and a text area that says "No file chosen".

## /learning

Let your bot learn domain-specific texts for question generation and sentiment analysis.

**Category:**

Create New Category

## Front-End

**Corpus:**

A front-end developer is a programmer that codes the front end of a website. Typically, the front-end developers job is to convert website design files into raw HTML, JavaScript (JS) and/or CSS code. This includes the basic website design/layout, images, content, buttons, navigation and

**/dialogue**

Speak to your bot. If you don't understand a question, it will be skipped and doesn't influence the assessment further.

The more the bot learns, the more the right side resembles a brain.

## Teach him/her thoroughly!

A screenshot of a chat application interface. At the top right, the name 'defaultBot' is displayed in red. A yellow speech bubble from the bot contains the text 'Hello defaultUser! I want to ask you some questions.' Below this, a text input field shows the user's response 'Yeah. Go ahead!'. To the right of the input field is an 'Enter' button. Below the input field, a white box displays the bot's response: 'I don't understand the question.' In the background, there is a faint word cloud with terms like 'developer', 'software', 'design', 'code', 'application', etc.

# Now fly, you fools!