scratch

...a chatbot system skeleton.

Overview

- `server`
  - `httpserver.js`
    - serving the host website including the chatview
    - authority for session management
  - `wsserver.js`
    - providing a chatbot for each chatview
  - `auth-channel.js`
    - exports: `{ class Commander, class Consumer }`
    - purpose: `httpserver: Commander -> wsserver: Consumer`
    - for forwarding user authorization
  - `chatview.html`
    - minimal chatview condensed in one file
  - `bot`
    - `approx-map.js`
      - exports: `class ApproxMap`
      - map data structure for approximate mapping of strings
    - `boot-brain.js`
      - exports a matrix of predefined mappings
      - can be passed to the constructor of `class ApproxMap`
    - `chatbot.js`
      - exports: `class ChatBot`
      - responsible for user interaction
      - a chatbot is always bound to one particular websocket

Training a chatbot

Define mappings in `boot-brain.js` . That is it.

Demo

Just start both servers from a terminal:

`node httpserver --commander`

`node wsserver --consumer`

And hit `localhost:50000` with a browser.

Outlook

- enhance conversational skills of `class ChatBot` through new methods
- find suitable means for efficient NLP
- move from `ws` to `wss`