

js-sequence-diagrams

Turns text into UML sequence diagrams

Fork me on GitHub

Demo. Try editing me below

Theme:

Hand drawn

 | [Download as SVG](#)

```
sequenceDiagram
    participant User
    participant Rails API
    participant PostgreSQL
    participant Redis
    participant Worker

    User->>Rails API: createNewSubmission(source_code, language_id, input, expected_output)
    activate Rails API
    Rails API->>PostgreSQL: Submission := createSubmission(source_code, language_id, input, expected_output)
    activate PostgreSQL
    PostgreSQL-->>Rails API: created
    deactivate PostgreSQL
    Rails API->>Redis: createNewJob(submission)
    activate Redis
    Worker->>Redis: * IsolateJob := getNextJob()
    activate Redis
    Worker->>Worker: runInSandbox(submission.source_code)
    Worker->>Worker: determineStatus()
    Worker->>Redis: updateSubmission(submission)
    deactivate Worker
    deactivate Redis
    Redis->>PostgreSQL: 
    activate PostgreSQL
    PostgreSQL-->>Rails API: 
    deactivate PostgreSQL
    Rails API->>PostgreSQL: Submission := findSubmission(id)
    activate PostgreSQL
    PostgreSQL-->>User: 
    deactivate PostgreSQL
    deactivate Rails API
    User->>User: getSubmission(id)
```

Intro

A simple javascript library to turn text into vector [UML sequence diagrams](#). Heavily inspired by [websequencediagrams.com](#), who offer a serverside solution. We use [Jison](#) to parse the text, and [Snap.svg](#) to draw the image.

Examples

Here is a title

```
sequenceDiagram
    participant A
    participant B
    participant C
    participant D

    A->>B: Normal line
    B-->>C: Dashed line
    C->>D: Open arrow
    D-->>A: Dashed open arrow
```

Theme:

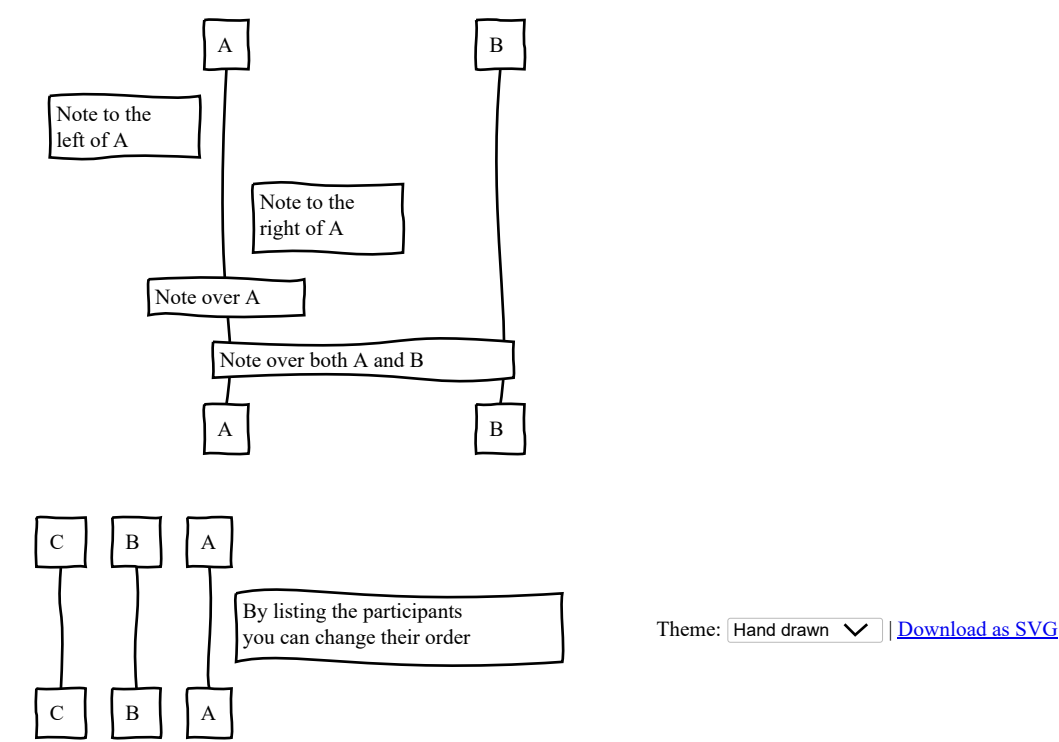
Hand drawn

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Theme:

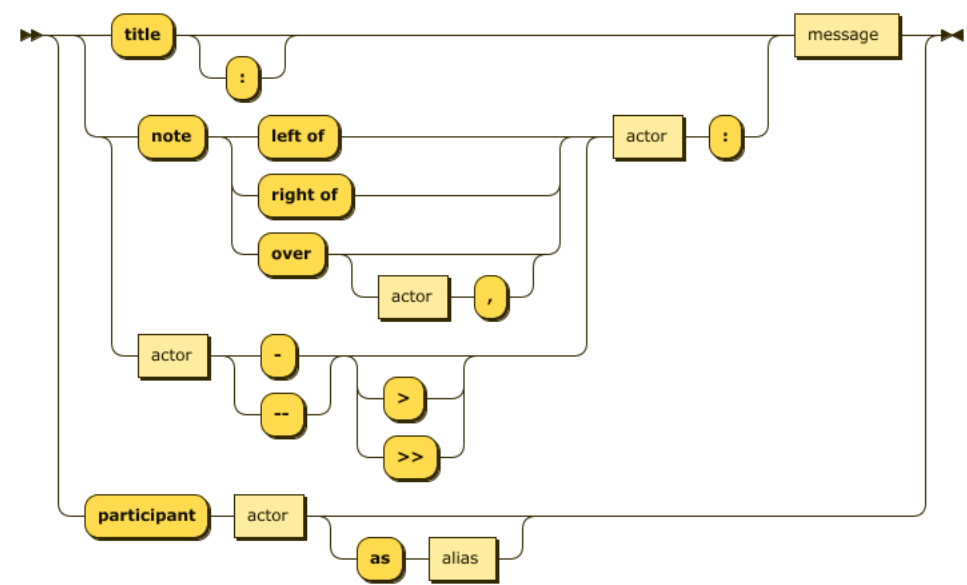
Hand drawn

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Syntax

The following diagram shows the syntax for the diagrams. The exact grammar can be [found here](#) in bison format.



generated by [Railroad Diagram Generator](#) ☒

Usage

js-sequence-diagrams depends on [Snap.svg](#) and [Underscore.js](#) (or [lodash](#)). You can download all these files manually, or use "[bower](#) install bramp/js-sequence-diagrams".

Then include the following HTML:

```
<script src="webfont.js"></script>
<script src="snap.svg-min.js"></script>
<script src="underscore-min.js"></script>
<script src="sequence-diagram-min.js"></script>
```

and now you have two options. You can manually parse the text:

```
<div id="diagram"></div>
<script>
  var diagram = Diagram.parse("A->B: Message");
  diagram.drawSVG("diagram", {theme: 'hand'});
</script>
```

or use jQuery to do all the work:

```
<div class="diagram">A->B: Message</div>
<script>
$( ".diagram" ).sequenceDiagram({theme: 'hand'});
</script>
```

More documentation is in the official [README.md](#)

by [Andrew Brampton](#) - [github](#) - [@TheBramp](#)