ng5-i18n-multilingual Angular5 multilingual site sample

ng5-i18n-multilingual is a sample program for making multilingual sites by Angular5.

Video Explanation(English)
https://youtu.be/74OCrD6Ckgg

Video Explanation(Japanese)
https://youtu.be/AUXpQvqGjeA

Demo Site
https://ohtsu.github.io/ng5-i18n-multilingual/

Full Source Code
https://github.com/Ohtsu/ng5-i18n-multilingual.git

Overview

- *ng5-i18n-multilingual* is a sample program for making multilingual sites by Angular5.

Prerequisite

- Node.js
- TypeScript2
- Angular/Cli (for Angular5 or later)

Installation

To install this program:

- Make your own directory and change into it.

```
$ mkdir mydir
$ cd mydir
```

- Make the clone as follows.

```
$ git clone https://github.com/Ohtsu/ng5-i18n-multilingual.git
```

- Change into *ng5-i18n-multilingual* and run "npm install".

```
$ cd ng5-i18n-multilingual
$ npm install
```

Check by local server

Start English (default) version

```
$ ng serve
```

And you will get the page below in your browser by accessing **http://localhost:4200**.

- *First Page*

Start Japanese version

Start the local server as follows.

```
$ npm run start:ja
```

And you will get the page below in your browser by accessing **http://localhost:4200**.

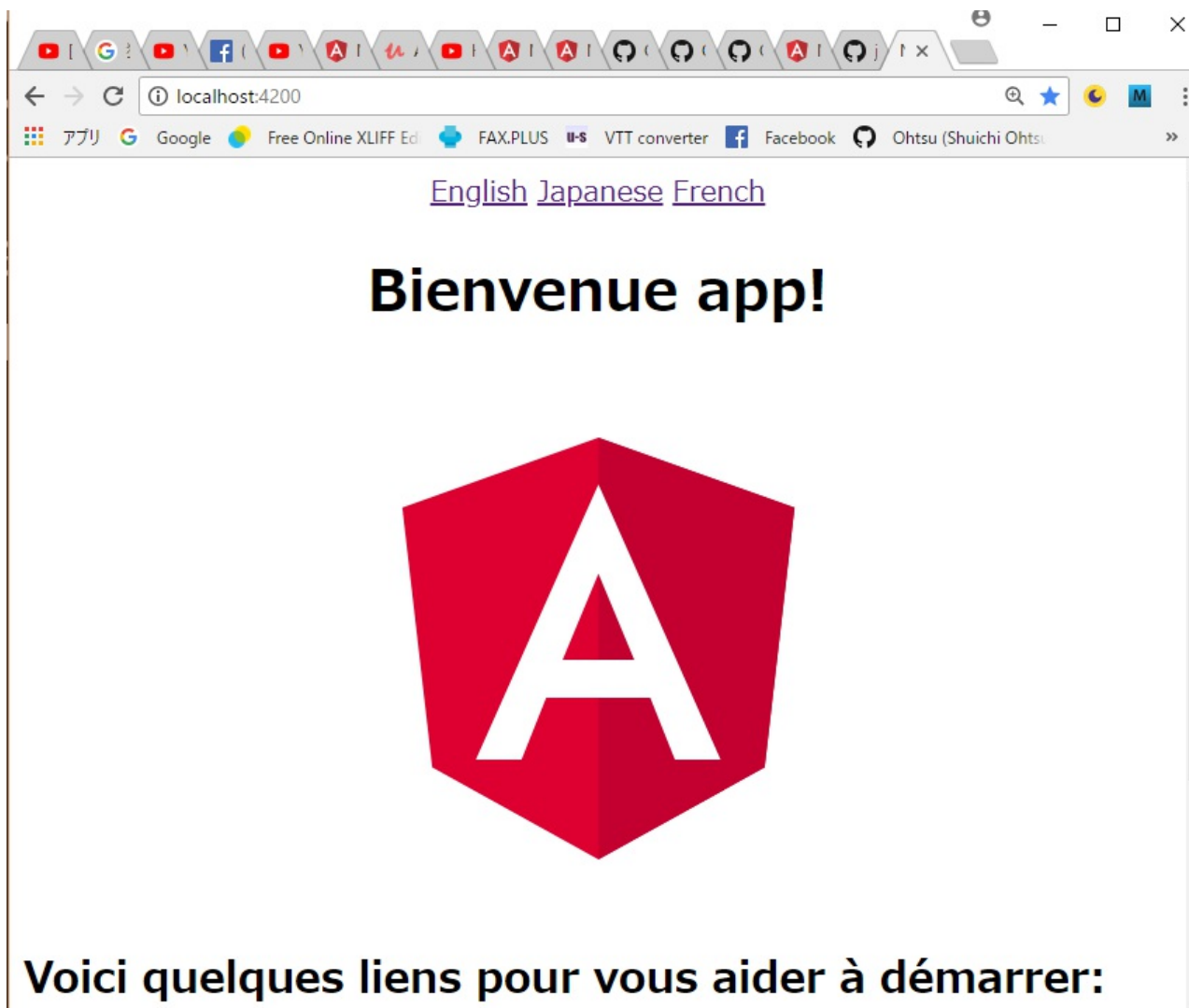- *First Page*

ようこそ app! へ

以下に開始あたって有用なリンクをご紹介します

Start French version

Start the local server as follows.

```
$ npm run start:fr
```

And you will get the page below in your browser by accessing **http://localhost:4200**.

- ***First Page***

How to make multilingual site data

Modify package.json file

When using the above local server, dynamic language change is not possible.
On the actual site, you can change the language based on the URL.

To prepare for this, you need to change **Base href** for each language. It must be set with parameters at build time as follows.

The URL is changed for each language.

```
    "build": "ng build --aot --output-path dist/ --base-href /ng5-i18n-multiling
    "build:ja": "ng build --aot --output-path dist/ja --base-href /ng5-i18n-mul
    "build:fr": "ng build --aot --output-path dist/fr --base-href /ng5-i18n-mul
```

```
Default   /ng5-i18n-multilingual/
Japanese  /ng5-i18n-multilingual/ja/
French    /ng5-i18n-multilingual/fr/
```

Here we are adding "/ng5-i18n-multilingual" because we use GitHub Pages as the execution result of this program, so we need to add its own repository name.

If you are using your own site, adding such a string is not necessary.

How to build multilingual site data

At first, you need to change base-href string based on your own site. Change the string `/ng5-i18n-multilingual` to your own string (or null).

Compile

Next you need to compile as follows.

```
npm run build
npm run build:ja
npm run build:fr
```

Upload the site data to your own server

If you compilation is successful, you will find `dist` directory in your project root directory.

You need to upload all the files and directories under `dist` directory to your own server.

In more details, please watch the following video.

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Video Explanation(Japanese)
https://youtu.be/AUXpQvqGjeA

Version

- TypeScript : 2.4.2
- @angular/cli : 1.5.0
- Node : 6.11.3

Reference

- "Internationalization (I18N)",
  https://v2.angular.io/docs/ts/latest/cookbook/i18n.html

- "Internationalization (I18N) Japanese Translation by mixplace in Qiita",
  https://qiita.com/mixplace/items/3f1e1190e38c14f5297d

Others

- "Angular5 Custom Library: The definitive, step-by-step guide", https://www.udemy.com/1461368/learn/v4/content

- Discount coupon https://www.udemy.com/angular5-custom-library-the-definitive-step-by-step-guide/?couponCode=CUSTLIB-EN-20180713

Change Log

- 2018.5.4 version 0.2 uploaded

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