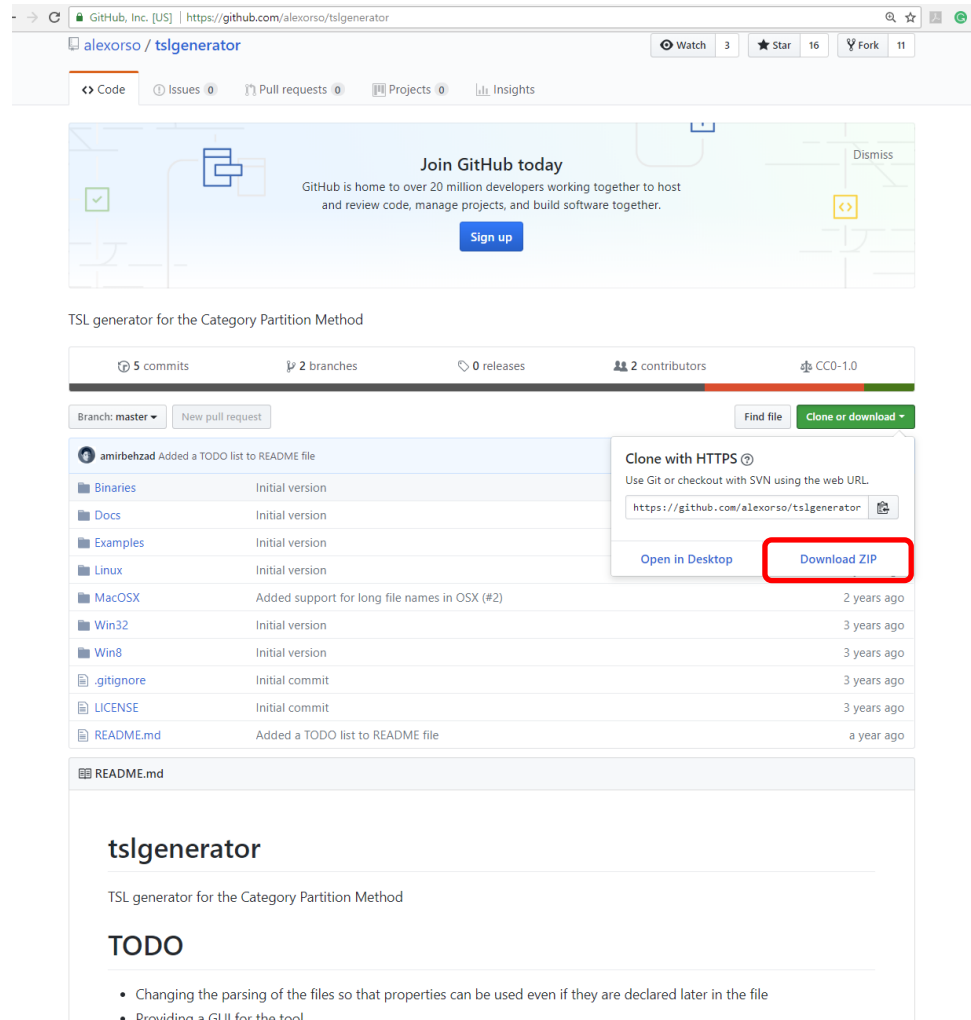


TSLgenerator 실습

Dependable Software Laboratory

- TSLgenerator 다운
 - URL : <https://github.com/alexorso/tslgenerator>



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TSL generator for the Category Partition Method

5 commits 2 branches 0 releases 2 contributors CC0-1.0

Branch: master New pull request Find file Clone or download

File	Version	Time
Binaries	Initial version	
Docs	Initial version	
Examples	Initial version	
Linux	Initial version	
MacOSX	Added support for long file names in OSX (#2)	2 years ago
Win32	Initial version	3 years ago
Win8	Initial version	3 years ago
.gitignore	Initial commit	3 years ago
LICENSE	Initial commit	3 years ago
README.md	Added a TODO list to README file	a year ago

Clone with HTTPS

Use Git or checkout with SVN using the web URL

<https://github.com/alexorso/tslgenerator>

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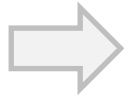
tslgenerator

TSL generator for the Category Partition Method

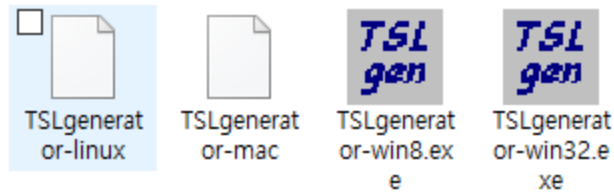
TODO

- Changing the parsing of the files so that properties can be used even if they are declared later in the file
- Providing a GUI for the tool

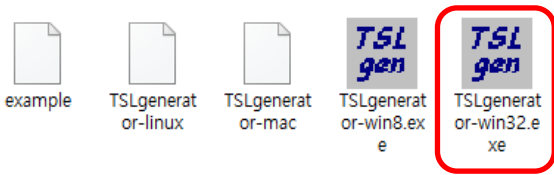
- TSLgenerator 실행



Binaries	2018-04-24 오후...	파일 폴더	
Docs	2018-04-24 오후...	파일 폴더	
Examples	2018-04-24 오후...	파일 폴더	
Linux	2018-04-24 오후...	파일 폴더	
MacOSX	2018-04-24 오후...	파일 폴더	
Win8	2018-04-24 오후...	파일 폴더	
Win32	2018-04-24 오후...	파일 폴더	
.gitignore	2017-03-02 오전...	GITIGNORE 파일	1KB
LICENSE	2017-03-02 오전...	파일	7KB
README.md	2017-03-02 오전...	MD 파일	1KB



- TSLgenerator 실행



TSLgenerator-win32.exe

Usage : TSLgenerator-win32.exe [--manpage] [-cs] input_file [-o output_file]

Example : TSLgenerator-win32.exe example -o example.ts1



관리자 권한으로
실행

```
cmd 선택 관리자: C:\WINDOWS\system32\cmd.exe
C:\Users\wds\lab\Desktop\School\Master\7. 수업\3. 석사\학기\3. 소프트웨어 검증\Test Specification Language (TSL generator)
\TSLgenerator-master\Binaries>dir
C 드라이브의 볼륨: OS
볼륨 일련 번호: C229-8283

C:\Users\wds\lab\Desktop\School\Master\7. 수업\3. 석사\학기\3. 소프트웨어 검증\Test Specification Language (TSL generator)
\TSLgenerator-master\Binaries 디렉터리

2018-04-24 오후 06:49 <DIR>      .
2018-04-24 오후 06:49 <DIR>      ..
2017-03-02 오전 04:01          3,853 example
2017-03-02 오전 04:01       369,732 TSLgenerator-linux
2017-03-02 오전 04:01       26,840 TSLgenerator-mac
2017-03-02 오전 04:01       49,152 TSLgenerator-win32.exe
2017-03-02 오전 04:01       98,816 TSLgenerator-win8.exe
                5개 파일              548,393 바이트
                2개 디렉터리  341,649,973,248 바이트 남음

C:\Users\wds\lab\Desktop\School\Master\7. 수업\3. 석사\학기\3. 소프트웨어 검증\Test Specification Language (TSL generator)
\TSLgenerator-master\Binaries>TSLgenerator-win32.exe example -o example.ts1

-----
TSLgenerator

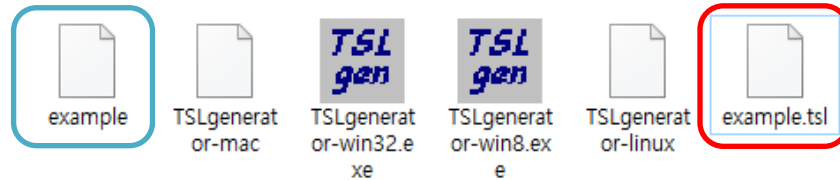
(C) University of California Irvine,
and Oregon State University, 2001
-----

567 test frames generated and written to example.ts1

C:\Users\wds\lab\Desktop\School\Master\7. 수업\3. 석사\학기\3. 소프트웨어 검증\Test Specification Language (TSL generator)
\TSLgenerator-master\Binaries>
```

TSLgenerator 사용법

• TSLgenerator 결과



```
example example.tsl
1 #
2 # Test specification for Siena HierarchicalDispatcher
3 #
4 # (C) University of California Irvine,
5 # Oregon State University, and
6 # Georgia Tech, 2001
7 #
8
9 Environments:
10 Server configuration:
11 one server.
12 one child and one parent. [single]
13 two children and one parent. [single]
14 at least three levels. [single]
15
16 Client configuration:
17 one pub only. [property PublisherOnly]
18 one sub only. [property SubscriberOnly]
19 one sub and one matching pub. [property Matching]
20 one sub and two matching pubs. [single]
21 two subs and one matching pub. [single]
22 one sub and one non-matching pub.
23 [single] [property Matching]
24 two subs and one non-matching pub.
25 [single]
26 multiple subs and pubs. [single]
27
28 Parameters:
29 Server IDs:
30 empty string. [error]
31 valid string.
32
33 Type of attrs in notifications:
34 invalid name. [error] [if !SubscriberOnly]
35 string. [single] [if Matching]
36 int. [if !SubscriberOnly]
37 double. [single] [if Matching]
38 boolean. [single] [if Matching]
39 multiple with same type. [if !SubscriberOnly]
40 [property MultiAttrs]
41 multiple with mixed types. [if !SubscriberOnly]
42 [property MultiAttrs]
43
44 Form of notifications:
45 no attrs. [error] [if !SubscriberOnly]
46 multiple attrs with same name. [error] [if !SubscriberOnly]
47 one attr. [if !(SubscriberOnly || MultiAttrs)]
48 two attrs. [if !SubscriberOnly]
49 three to ten attrs. [single] [if !SubscriberOnly]
```

input_file

```
example example.tsl
1
2 Test Case 1 <single>
3 Server configuration : one child and one parent
4
5
6 Test Case 2 <single>
7 Server configuration : two children and one parent
8
9
10 Test Case 3 <single>
11 Server configuration : at least three levels
12
13
14 Test Case 4 <single>
15 Client configuration : one sub and two matching pubs
16
17
18 Test Case 5 <single>
19 Client configuration : two subs and one matching pub
20
21
22 Test Case 6 <single>
23 Client configuration : one sub and one non-matching pub
24
25
26 Test Case 7 <single>
27 Client configuration : two subs and one non-matching pub
28
29
30 Test Case 8 <single>
31 Client configuration : multiple subs and pubs
32
33
34 Test Case 9 <error>
35 Server IDs : empty string
36
37
38 Test Case 10 <error>
39 Type of attrs in notifications : invalid name
40
41
42 Test Case 11 <single>
43 Type of attrs in notifications : string
44
45
46 Test Case 12 <single>
47 Type of attrs in notifications : double
48
49
```

output_file

Practice with TSLgenerator

- Target Software : 유아용 영어 학습 프로그램 (영단어 수집왕)
 - URL : http://dslab.konkuk.ac.kr/Class/2015/15SMA/Team_Organization.htm

