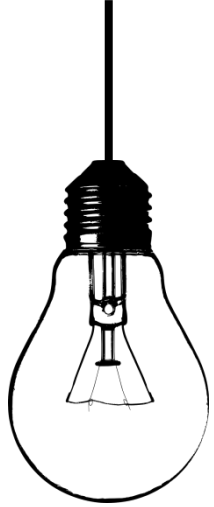
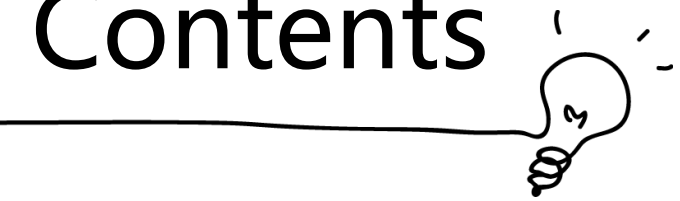


Git Watcher

전호현 유문상
이근하 최원대

Contents

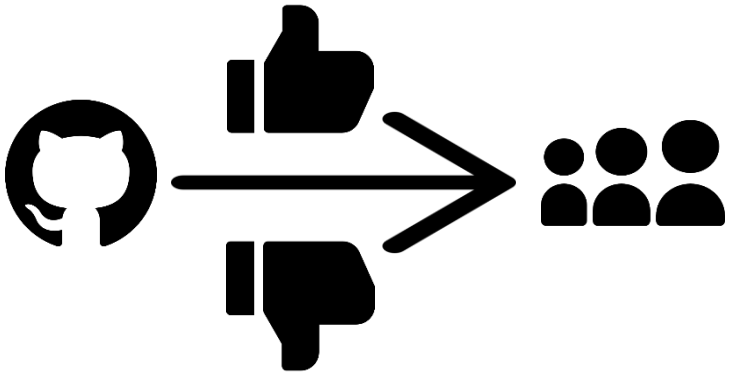


1. 프로젝트 소개
2. Architecture
3. 현재까지 진행 상황
4. 향후 계획
5. 시연 동영상

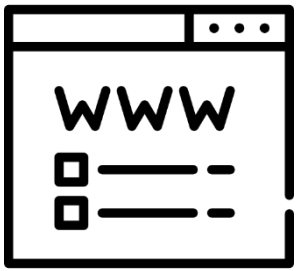
1. 프로젝트 소개

Git Watcher

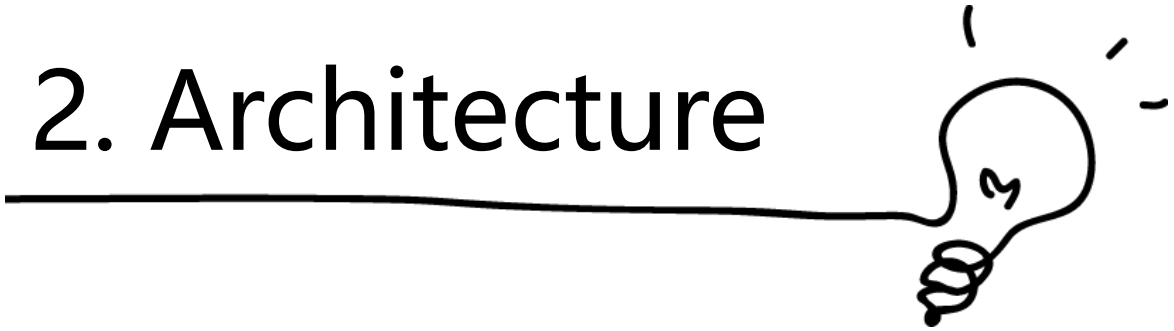
- Github repository 분석.
- Github 사용 평가 서비스 제공.



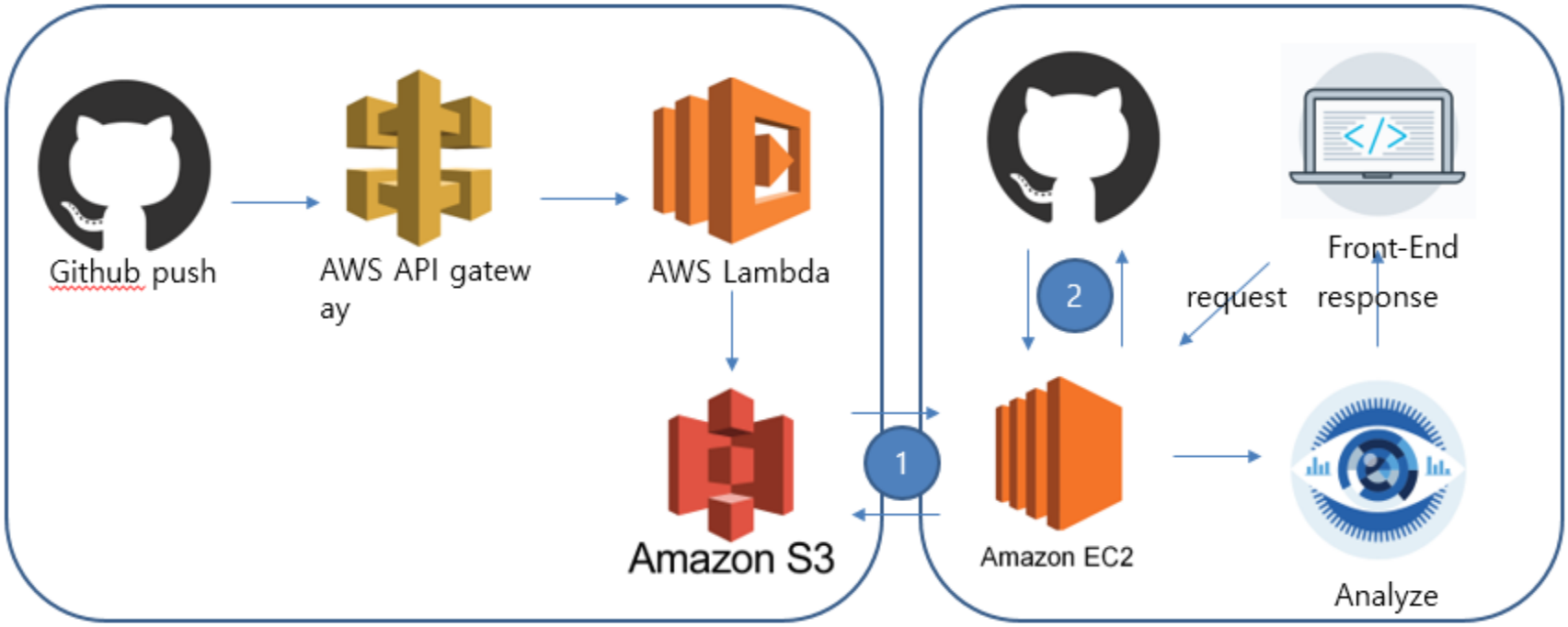
- 웹 서비스로 제공



2. Architecture



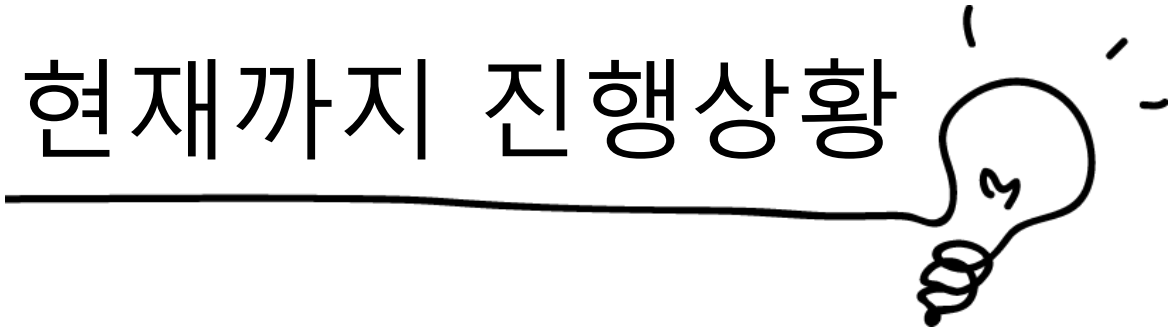
Architecture



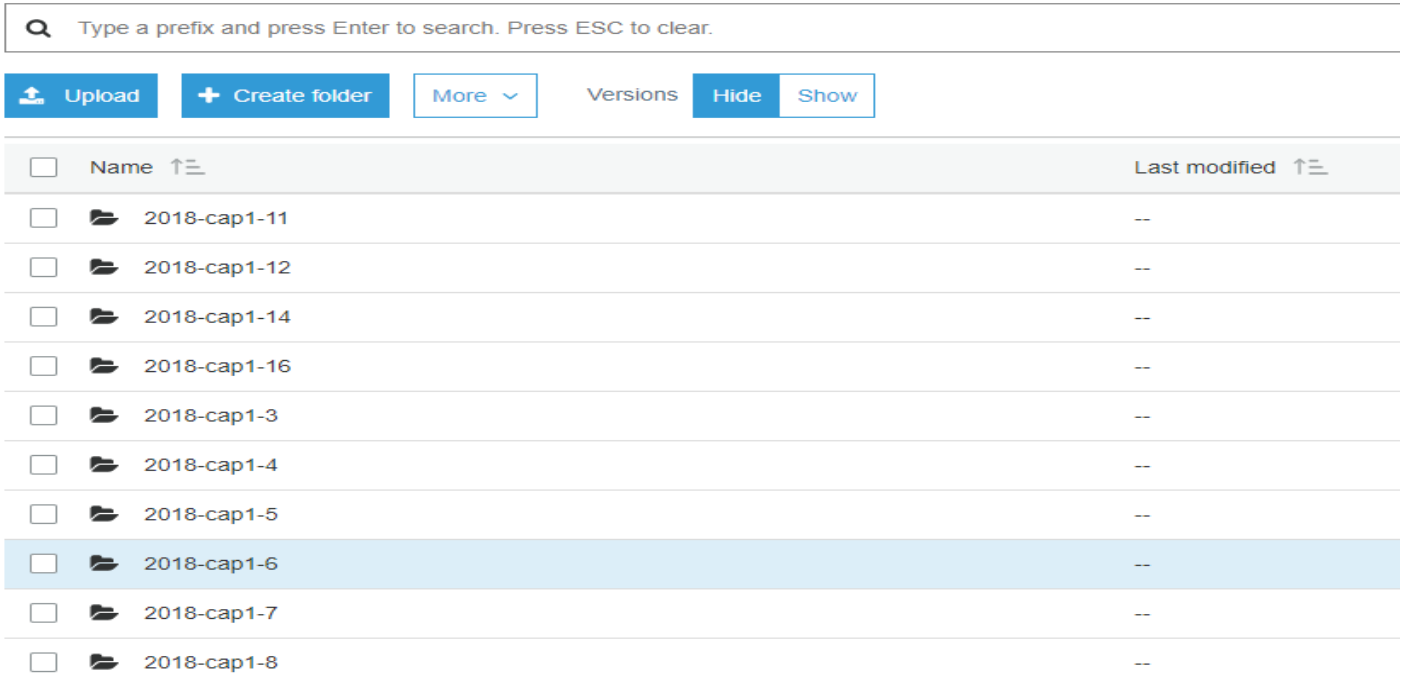
항상 최신의 레포지토리 상태 유지

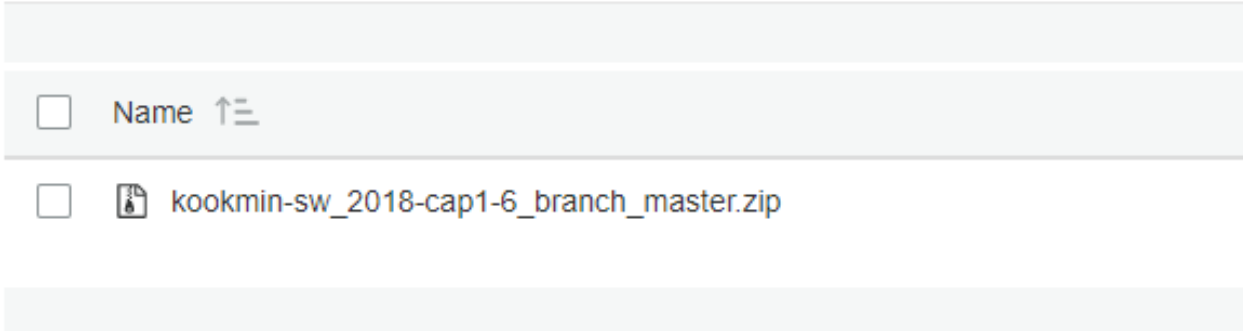
사용자 요청이 들어올 때 마다 분석

3. 현재까지 진행상황



Back-end S3





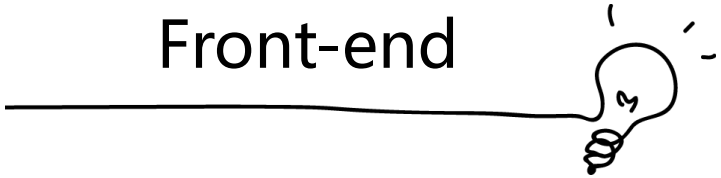
→ S3에 저장되어 있는 코드 파일

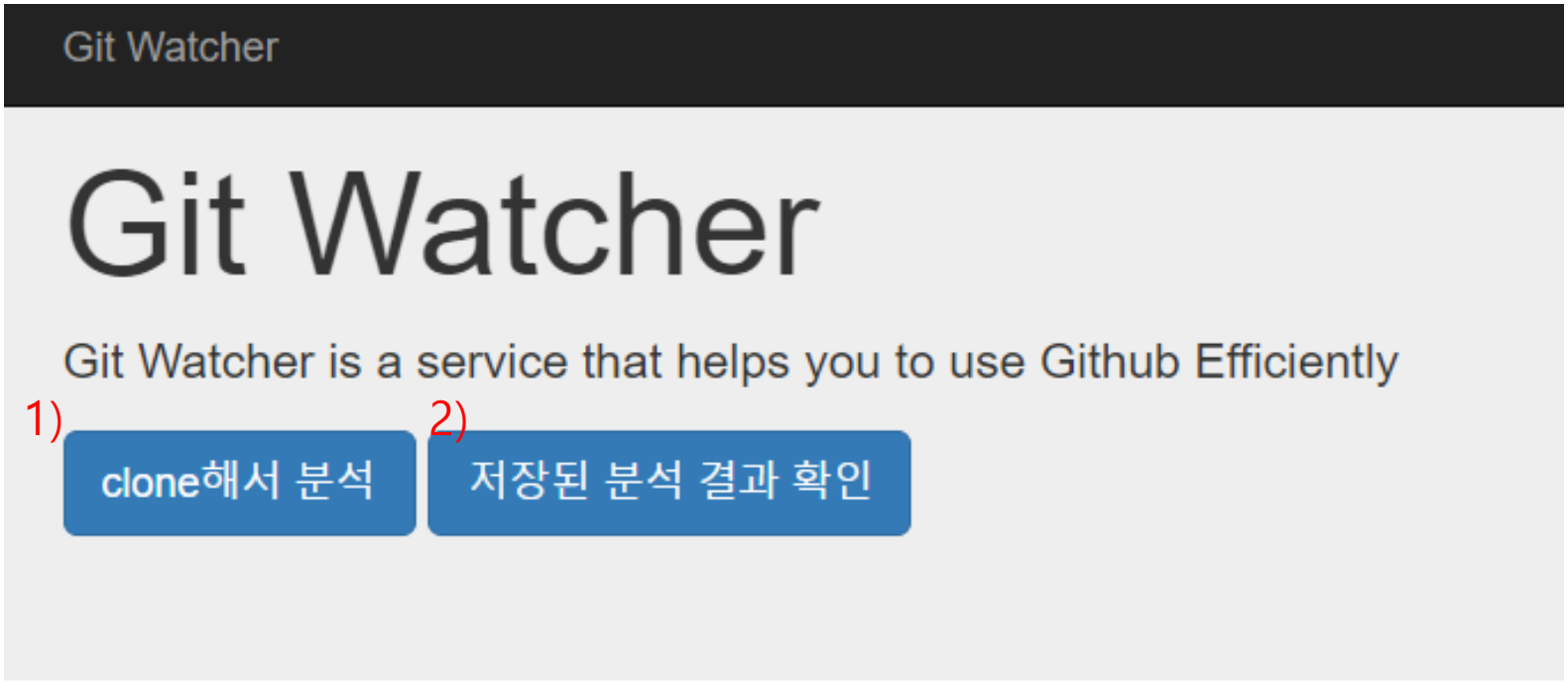
Back-end EC2

```
ec2-user ec2-user 186869 Apr 10 11:05 kookmin-sw_2018-capl-12_branch_master.html
ec2-user ec2-user 186869 Apr 10 13:30 kookmin-sw_2018-capl-14_branch_master.html
ec2-user ec2-user 192778 Apr 11 08:13 kookmin-sw_2018-capl-16_branch_ann_by_static.html
ec2-user ec2-user 192469 Apr 11 02:01 kookmin-sw_2018-capl-16_branch_db.html
ec2-user ec2-user 190623 Apr 11 10:29 kookmin-sw_2018-capl-16_branch_dynamic_analysis.html
ec2-user ec2-user 192657 Apr 11 11:02 kookmin-sw_2018-capl-16_branch_master.html
ec2-user ec2-user 194678 Apr 11 06:35 kookmin-sw_2018-capl-16_branch_web.html
ec2-user ec2-user 194053 Apr  9 15:58 kookmin-sw_2018-capl-4_branch_dPremodel.html
ec2-user ec2-user 195295 Apr 10 10:55 kookmin-sw_2018-capl-4_branch_dPreturn.html
ec2-user ec2-user 195603 Apr  9 18:03 kookmin-sw_2018-capl-4_branch_Function_receptionPage_patientInfo.html
ec2-user ec2-user 195945 Apr 10 09:19 kookmin-sw_2018-capl-4_branch_generalSurvey.html
ec2-user ec2-user 195931 Apr 10 09:20 kookmin-sw_2018-capl-4_branch_master.html
ec2-user ec2-user 195947 Apr 10 04:33 kookmin-sw_2018-capl-4_branch_setting_drools.html
ec2-user ec2-user 194069 Apr  8 17:53 kookmin-sw_2018-capl-4_branch_UI_hospitalSurvey.html
ec2-user ec2-user 194163 Apr 11 04:44 kookmin-sw_2018-capl-6_branch_frontend2.html
ec2-user ec2-user 213100 Apr  9 06:31 kookmin-sw_2018-capl-6_branch_gi_lambda.html
ec2-user ec2-user 214982 Apr 11 10:25 kookmin-sw_2018-capl-6_branch_gitInspector_Server.html
ec2-user ec2-user 216212 Apr 11 06:47 kookmin-sw_2018-capl-6_branch_master.html
ec2-user ec2-user 191534 Apr 10 07:42 kookmin-sw_2018-capl-8_branch_master.html
```

→ EC2에 저장되어있는 git repository 분석 html 파일

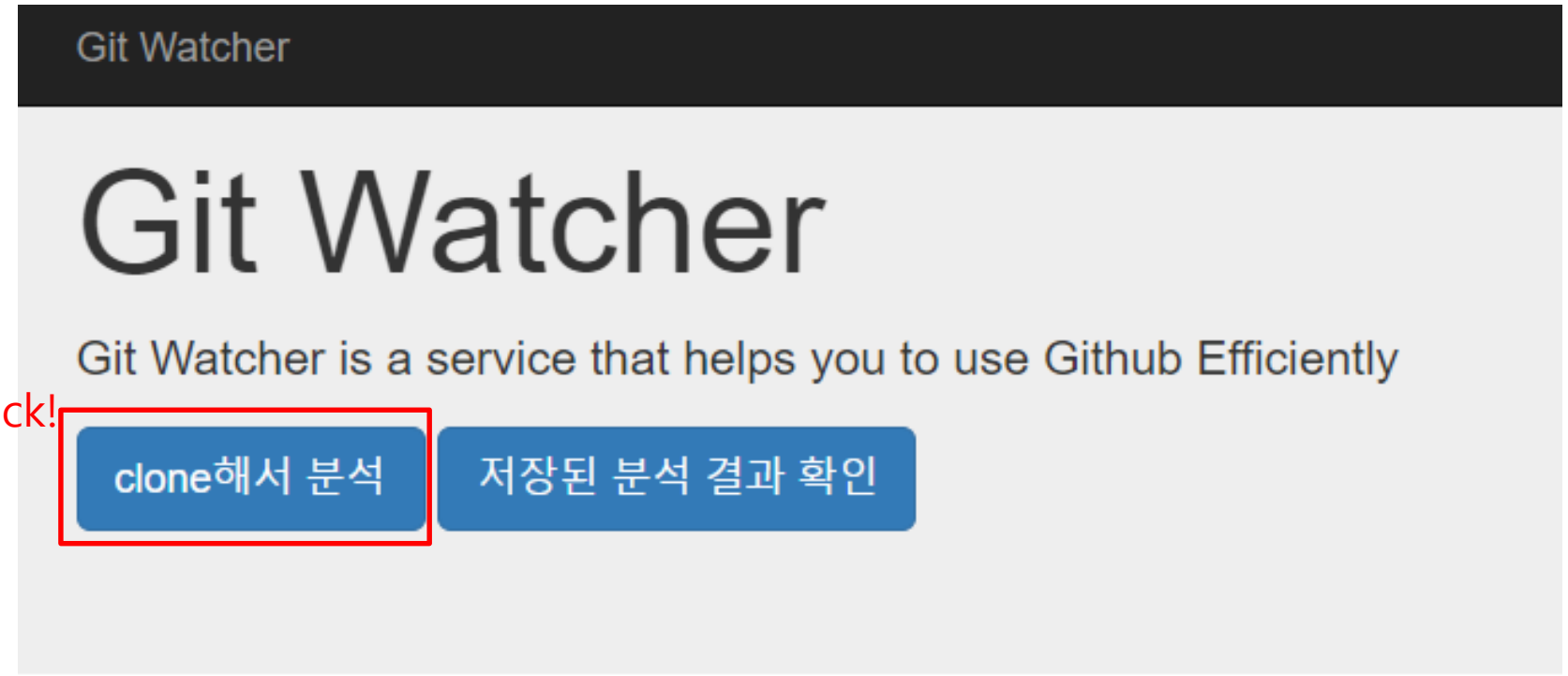
Front-end



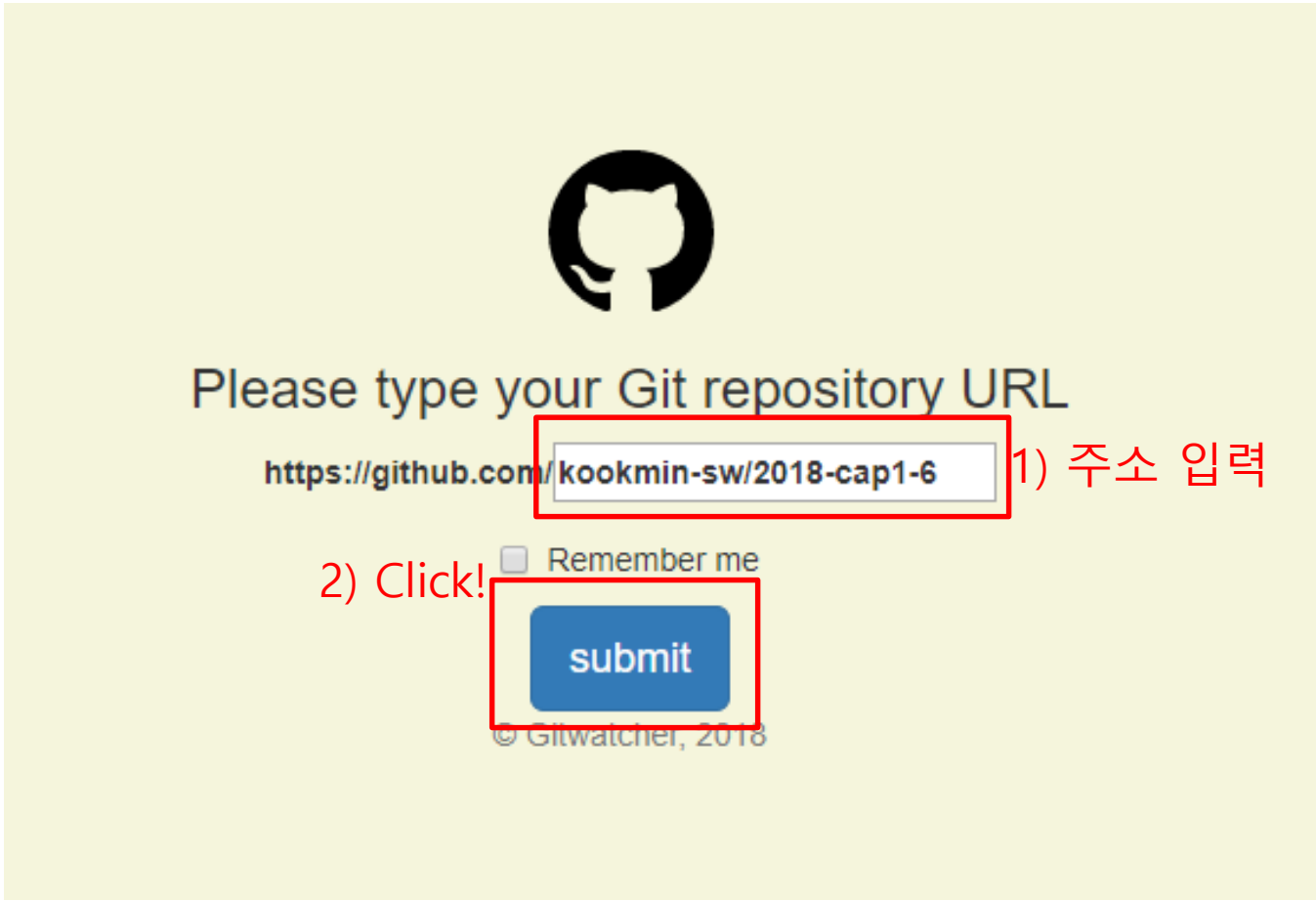


→ Django와 Bootstrap을 이용한 웹 서버
→ 2가지 메뉴 제공

Front-end 1) clone해서 분석

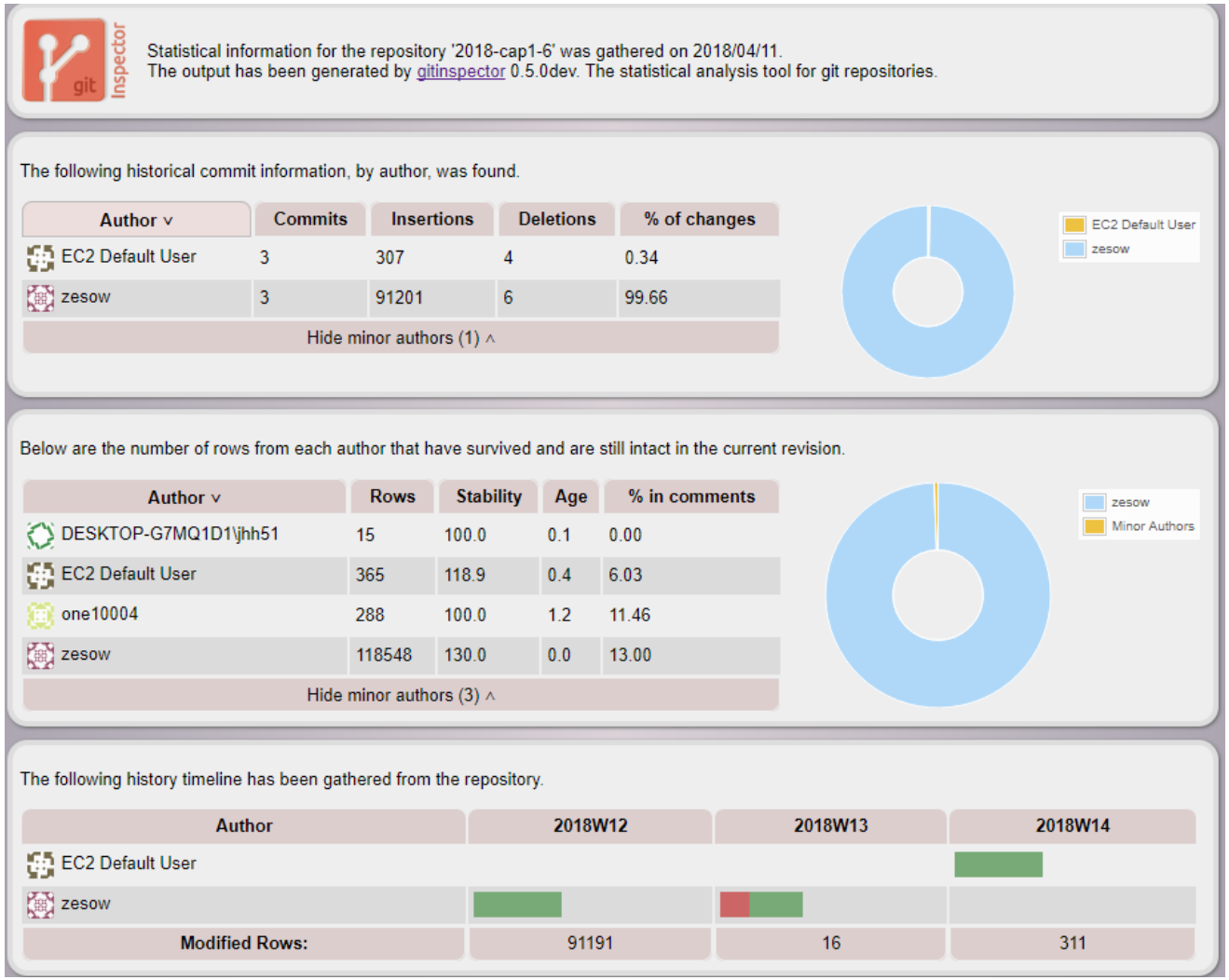


Front-end 1) clone해서 분석



→ Github repository 주소 입력 후 submit

Front-end 1) clone해서 분석



Statistical information for the repository '2018-cap1-6' was gathered on 2018/04/11.
The output has been generated by gitinspector 0.5.0dev. The statistical analysis tool for git repositories.

The following historical commit information, by author, was found.

Author	Commits	Insertions	Deletions	% of changes
EC2 Default User	3	307	4	0.34
zesow	3	91201	6	99.66

Hide minor authors (1)

Below are the number of rows from each author that have survived and are still intact in the current revision.

Author	Rows	Stability	Age	% in comments
DESKTOP-G7MQ1D1\jhh51	15	100.0	0.1	0.00
EC2 Default User	365	118.9	0.4	6.03
one10004	288	100.0	1.2	11.46
zesow	118548	130.0	0.0	13.00

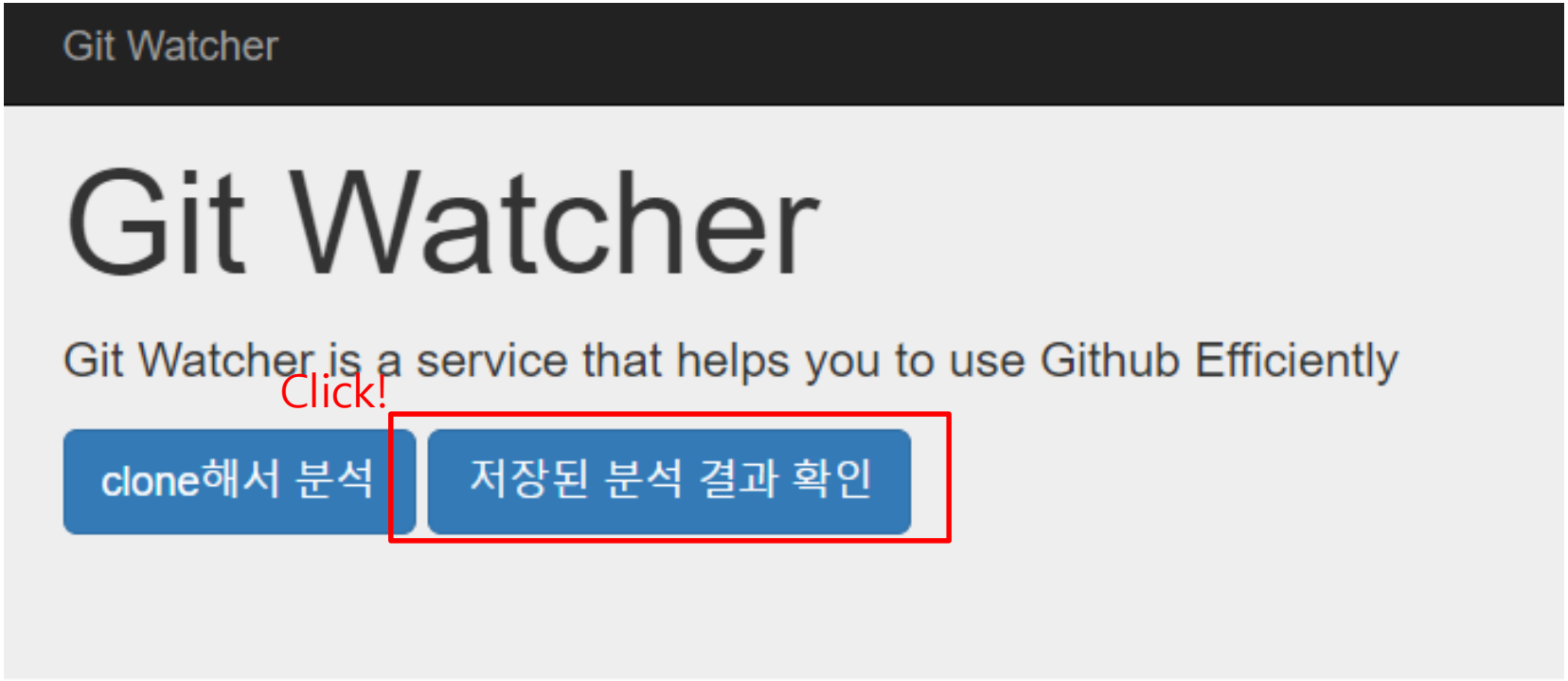
Hide minor authors (3)

The following history timeline has been gathered from the repository.

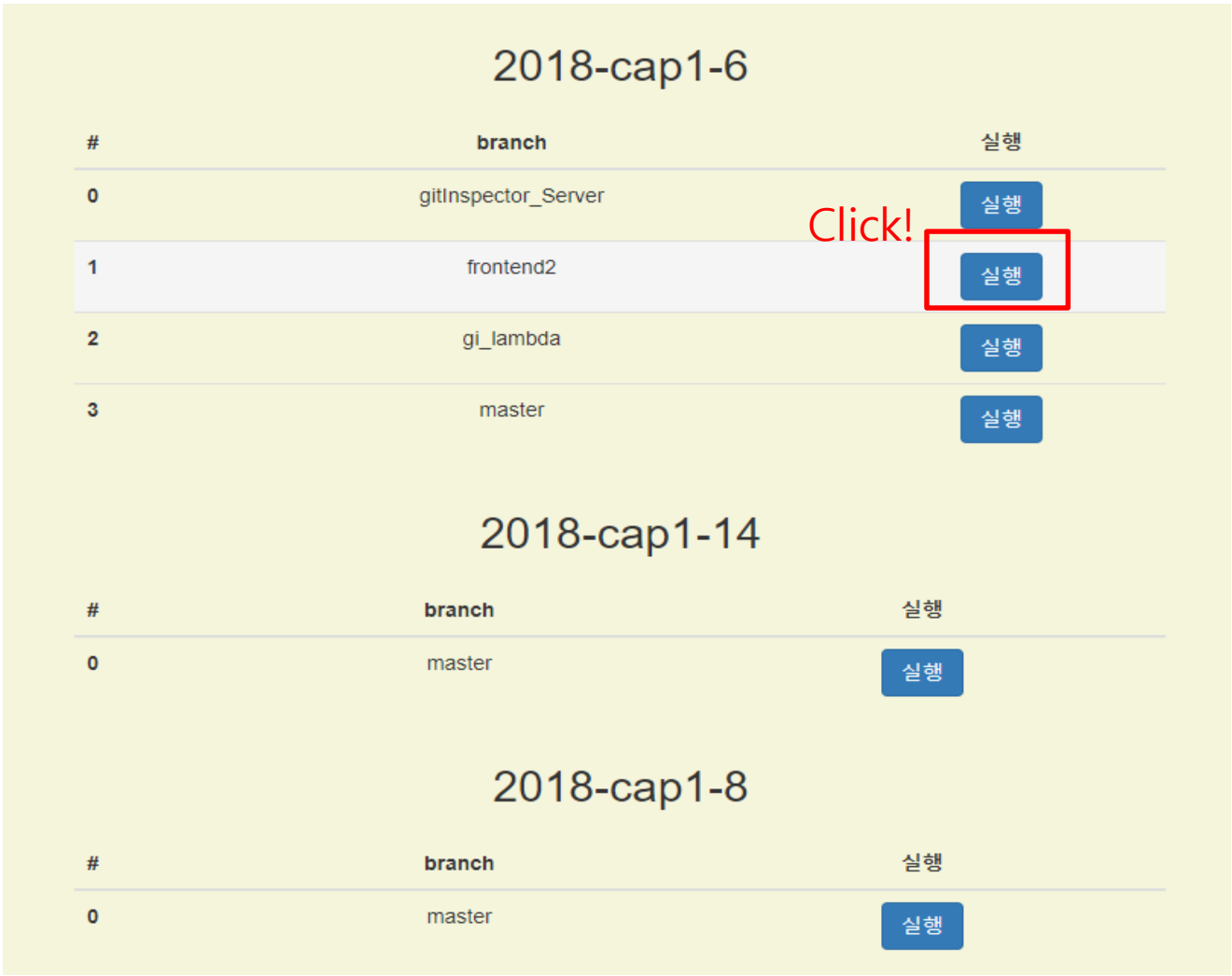
Author	2018W12	2018W13	2018W14
EC2 Default User			
zesow			
Modified Rows:	91191	16	311

→ 분석 화면 제공

Front-end 2) 저장된 분석 결과

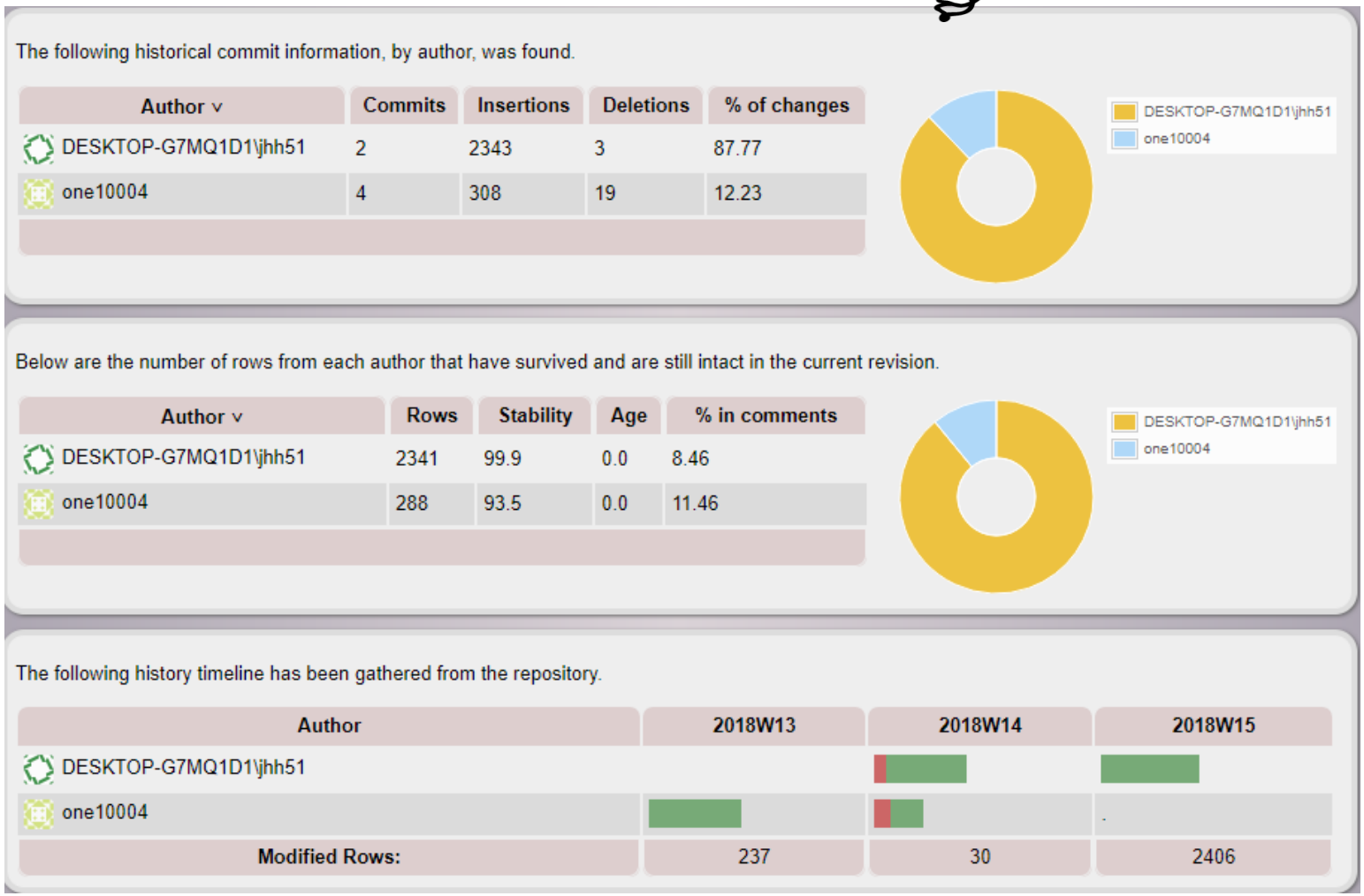


Front-end 2) 저장된 분석 결과



→ 각 repository의 저장되어 있는 분석 결과 html 파일들을 나타냄

Front-end 2) 저장된 분석 결과



The following historical commit information, by author, was found.

Author	Commits	Insertions	Deletions	% of changes
DESKTOP-G7MQ1D1\jhh51	2	2343	3	87.77
one10004	4	308	19	12.23

Below are the number of rows from each author that have survived and are still intact in the current revision.

Author	Rows	Stability	Age	% in comments
DESKTOP-G7MQ1D1\jhh51	2341	99.9	0.0	8.46
one10004	288	93.5	0.0	11.46

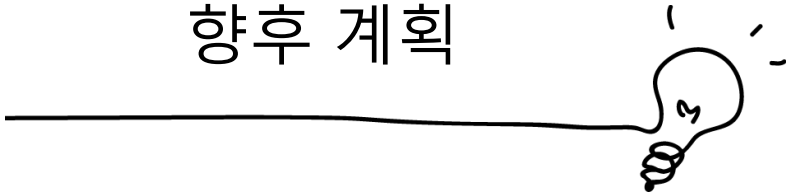
The following history timeline has been gathered from the repository.

Author	2018W13	2018W14	2018W15
DESKTOP-G7MQ1D1\jhh51			
one10004			
Modified Rows:	237	30	2406

→ 분석 화면 제공

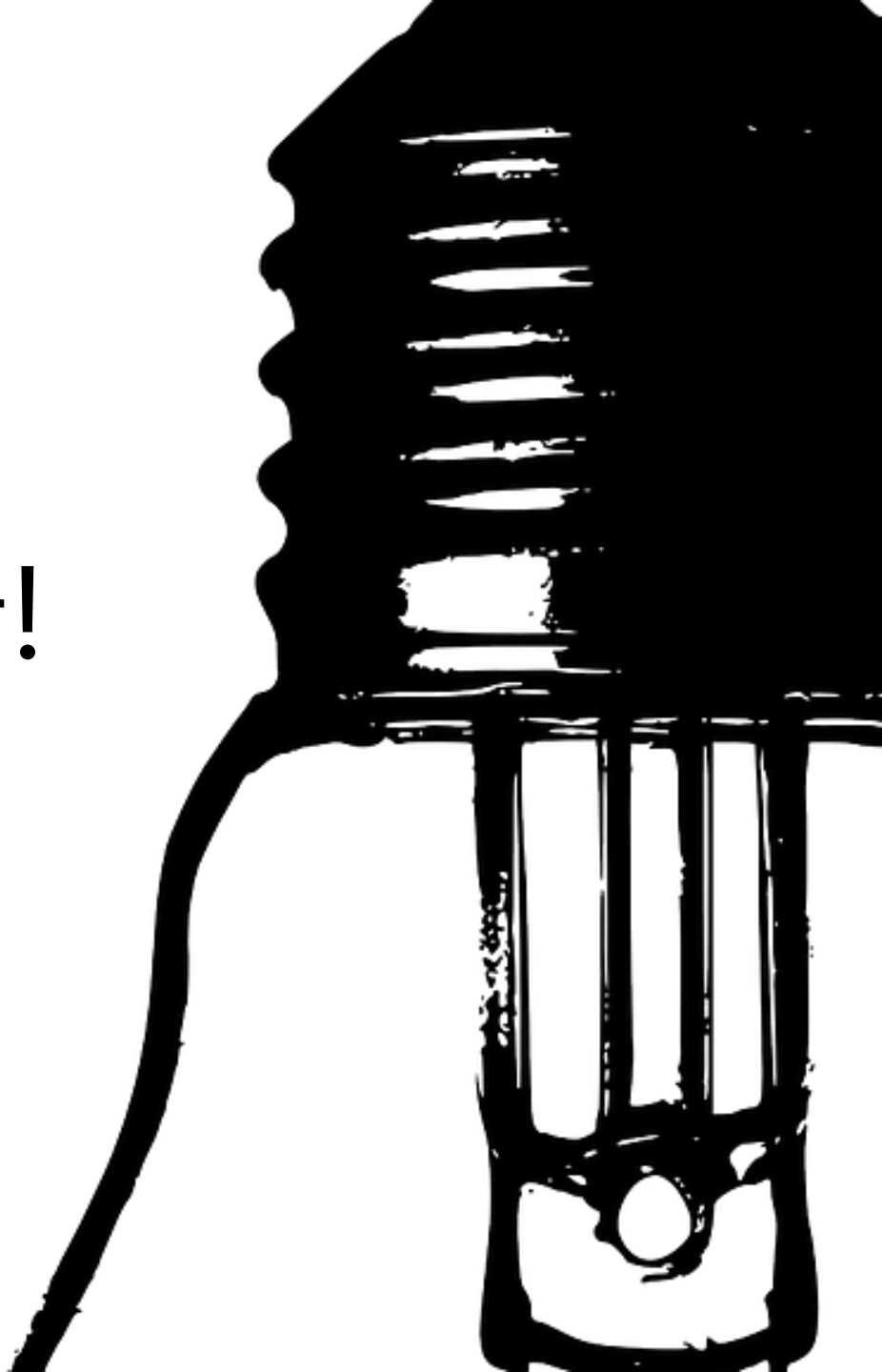
4. 향후 계획

향후 계획



1. Git inspector에 기능 추가
   ex) 커밋 메시지 분석 , 분석 결과를 graph화 해서 제공

2. 사용자의 Github 이용 평가 기준 확립

5. 시연 동영상

감사합니다!