

CTIP

System Test
Static Analysis

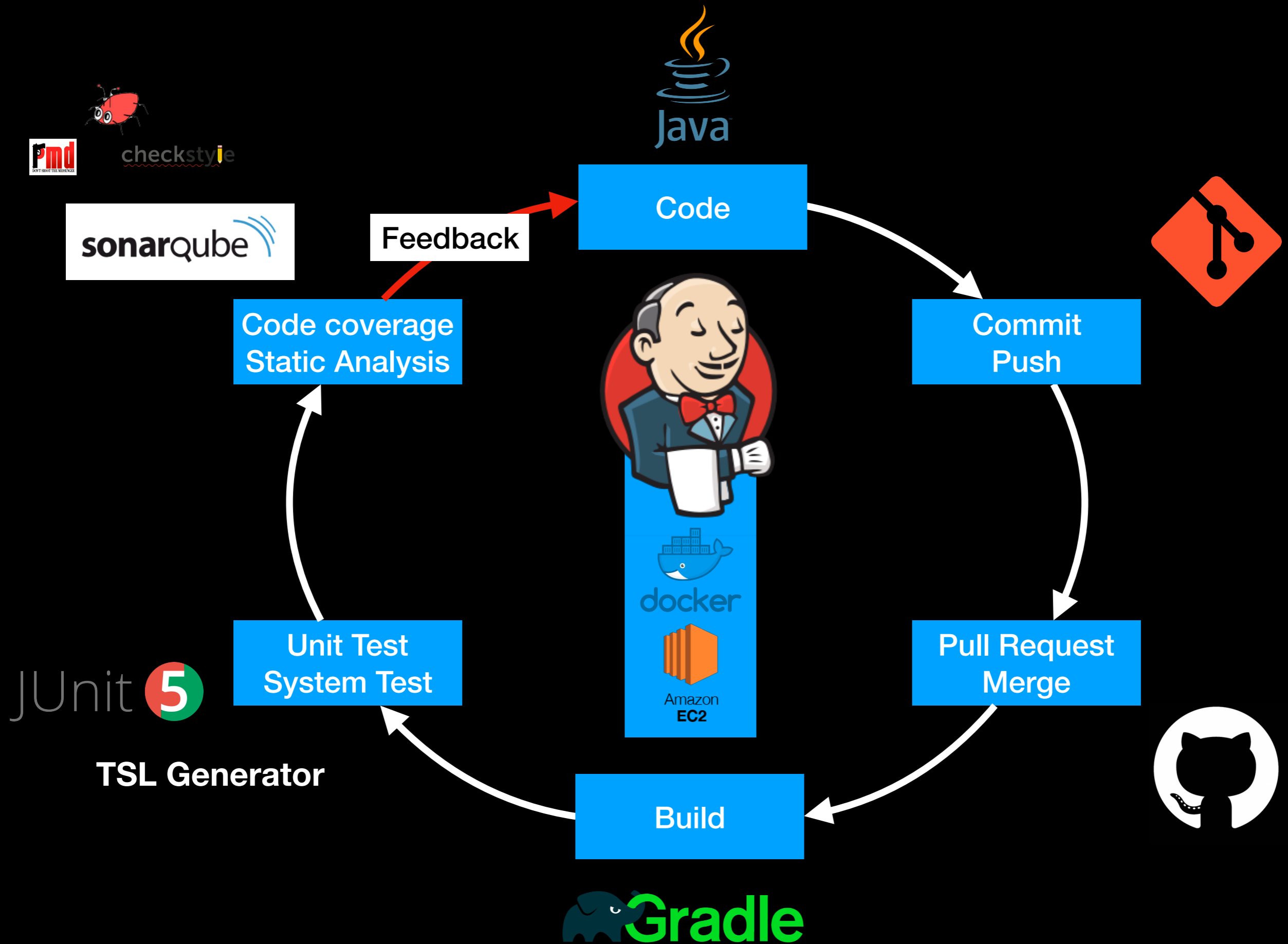
3조



어오...

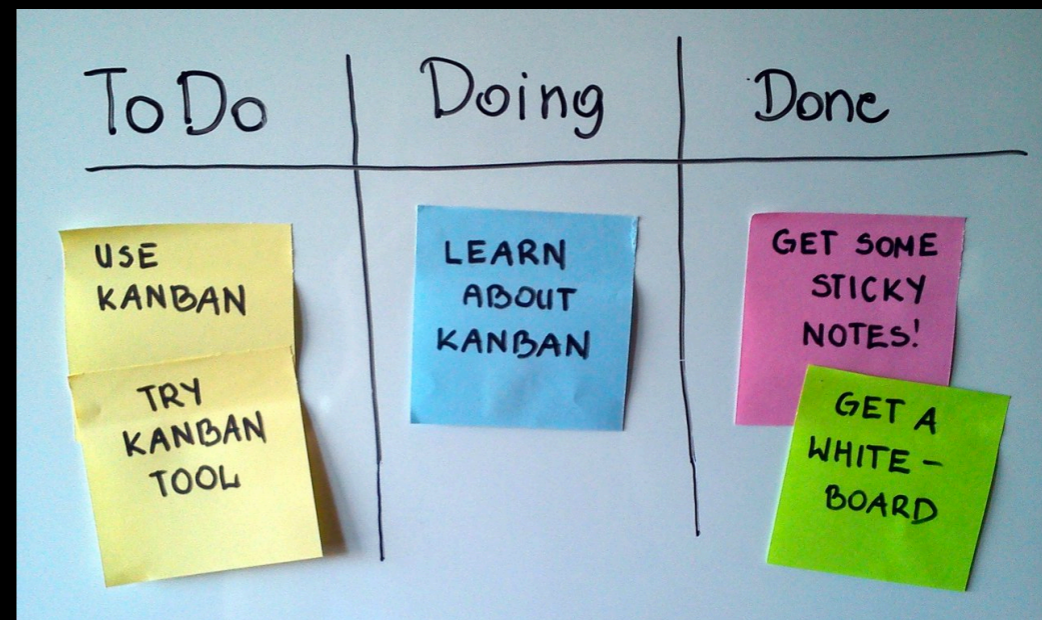
○ × 욱이 여기까지 나왔... × ○

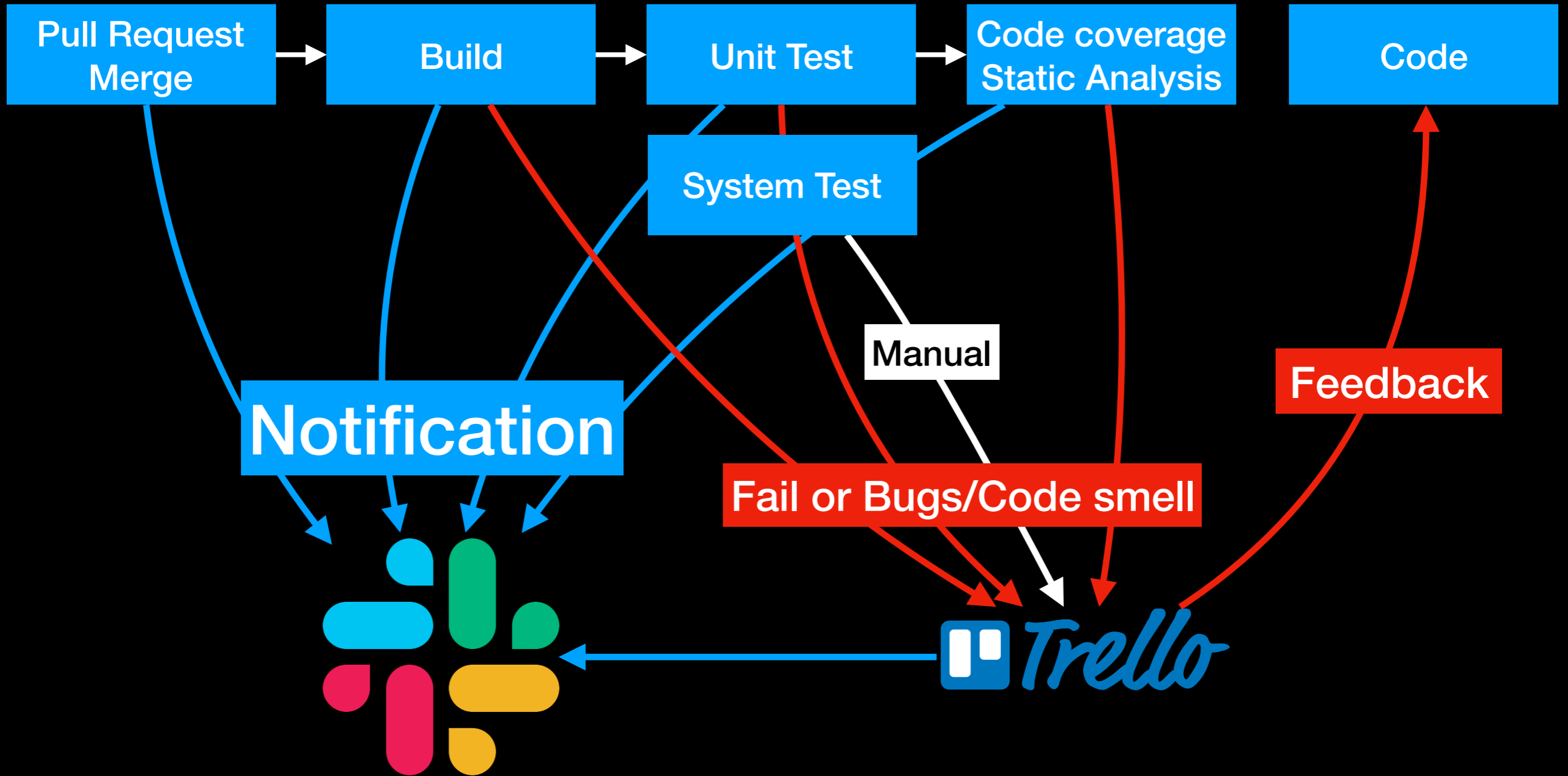






 *Trello*





Pull Request Merge

The screenshot shows a Slack channel named **#github_noti**. The channel is part of a workspace named **CTIP_SMA_5**. The channel members listed are **iiiii/최정현**. The channel has a search bar and icons for search, @, star, and more options.

The conversation history shows several pull request merge notifications from the **github** app:

- Tuesday, May 28th**
 - 31269f8 Merge pull request #18 from wjp103/master - 최정현
 - 10:08 PM [iiiii/CTIP_SMA_5] Pull request submitted by Biccon
 - #19 ring, muteBeep test ignore
- Thursday, May 30th**
 - 1:06 PM [iiiii/CTIP_SMA_5] Pull request closed: #19 ring, muteBeep test ignore by iiiii
 - 1:06 PM [CTIP_SMA_5:master] 2 new commits by biccon and 1 other:
 - f5b9b6e ring, muteBeep test ignore - biccon
 - 376ad03 Merge pull request #19 from wjp103/master - 최정현
 - 1:37 PM [iiiii/CTIP_SMA_5] Pull request submitted by Biccon
 - #20 ignore annotations to disabled
 - [iiiii/CTIP_SMA_5] Pull request closed: #20 ignore annotations to disabled by iiiii
 - [CTIP_SMA_5:master] 2 new commits by biccon and 1 other:
 - 43c4e62 ignore annotations to disabled - biccon
 - 85c6f4f Merge pull request #20 from wjp103/master - 최정현
- Sunday, June 2nd**
 - 4:54 PM [iiiii/CTIP_SMA_5] Pull request submitted by wjp103
 - #21 2nd Cycle Code Edit
 - 2nd Cycle Code Edit

The message for pull request #21 is highlighted with a red box. The channel name **#github_noti** is visible in the top left of the channel view.

Pull Request Merge

The screenshot shows a GitHub Pull Request page for the repository 'iiiii / CTIP_SMA_5'. The pull request is titled '2nd Cycle Code Edit #21' and is in a 'Merged' state. It was merged 4 days ago, merging 5 commits from the 'wjp103:master' branch into the 'iiiii:master' branch. The page shows a commit history with 5 commits, including 'Cycle 1' and two '조금 수정함' (small modifications) commits. The pull request has 9 files changed, with a net change of +85 lines and -67 lines. The right sidebar shows settings for Reviewers, Assignees, Labels, Projects, and Milestones. The bottom of the screen shows a Windows taskbar with various application icons.

iiiii / CTIP_SMA_5

Unwatch 1 Star 0 Fork 6

Code Issues 0 Pull requests 0 Projects 0 Wiki Security Insights Settings

2nd Cycle Code Edit #21

Merged iiiii merged 5 commits into iiiii:master from wjp103:master 4 days ago

Conversation 0 Commits 5 Checks 0 Files changed 9 +85 -67

wjp103 commented 4 days ago

Contributor + 😊 ...

Reviewers: No reviews

Assignees: No one—assign yourself

Labels: None yet

Projects: None yet

Milestone: No milestone


Revert

biccon added some commits 5 days ago

- 조금 수정함 27b6382
- 조금 수정함 e10f189
- . e94a588
- Cycle 1 f3e9abf
- . 62be2b7

iiiii merged commit 3af86e7 into iiiii:master 4 days ago


Build

CTIP_SMA_5 

● iiaii/최정현


Jump to...

Threads

Channels 


- # general
- # github_noti
- # jenkins_build_result
- # jenkins_static_sonar
- # trello_noti
- 🔒 소프트웨어검증팀

+ Add a channel

Direct Messages 

- ♥ Slackbot
- iiaii/최정현 (you)
- aeomhs/엄현식
- Cho beomseok/조범석
- ComGongHoeJang/박...
- DONGEONKIM/김동연
- hyh/한예훈
- Min/박형민

+ Invite people


Apps 

- GitHub
- sonarqube_bug
- trello


#jenkins_build_result

☆ | 👤 8 | 📌 0 | ✎ Add a topic


Thursday, May 30th


 **jenkins** APP 1:38 PM
CTIP_SMA_5 - #58 Started by changes from dongeonkim (5 file(s) changed) ([Open](#))
CTIP_SMA_5 - #58 Success after 18 sec ([Open](#))

Friday, May 31st


 **jenkins** APP 2:06 PM
CTIP_SMA_5 - #59 Started by user CJH ([Open](#))
CTIP_SMA_5 - #59 Success after 20 sec ([Open](#))



Sunday, June 2nd

 **jenkins** APP 8:08 PM
CTIP_SMA_5 - #60 Started by changes from dongeonkim, wjp103 (14 file(s) changed) ([Open](#))
CTIP_SMA_5 - #60 Failure after 19 sec ([Open](#))
CTIP_SMA_5 - #60 Failure after 19 sec ([Open](#))

 **jenkins** APP 8:43 PM
CTIP_SMA_5 - #61 Started by changes from parkwoojin (2 file(s) changed) ([Open](#))
CTIP_SMA_5 - #61 Success after 17 sec ([Open](#))
CTIP_SMA_5 - #61 Success after 17 sec ([Open](#))

Monday, June 3rd

 **jenkins** APP 3:31 PM
CTIP_SMA_5 - #62 Started by user Hyunsik Aeom ([Open](#))

+ Message #jenkins_build_result  

Build Fail

Sunday, June 2nd

jenkins APP 8:08 PM

- CTIP_SMA_5 - #60 Started by changes from dongeonkim, wjp103 (14 file(s) changed) (Open)
- CTIP_SMA_5 - #60 Failure after 19 sec (Open)
- CTIP_SMA_5 - #60 Failure after 19 sec (Open)

Message #jenkins_build_result

Todo : Issue

+ Add a card

Todo : Build Result

- B60 : CTIP_SMA_5 : FAILURE

+ Add another card

Todo : StaticAnalysis

- S5 : 171 more lines of code need to be covered by tests to reach the minimum threshold of 65.0% lines coverage.
- S61 : Assign this magic number 646 to a well-named constant, and use the constant instead.
- S2 : Name 'GUI' must match pattern `^[a-z]+(\.[a-zA-Z_][a-zA-Z0-9_]*)*$!`.
- S24 : Private field 'ws' could be made final; it is only initialized in the declaration or constructor.

Doing

+ Add a card

Done

- B73 : CTIP_SMA_5 : FA
- B1 : 모든 값이 이상한 값의 시간 변경이 불가능해진다
- B3 : 타이머 30초 설정 후 타이머를 제외해도 30초 후
- B4 : 타이머가 0이되어 알을 멈추면 설정한 타이머가 워진다는 내용이 스펙에 추가 필요)
- B5 : 수정모드에서 D버튼 enabled된 알람이 disab

Unit Test

CTIP_SMA_5
• iiaii/최정현

Jump to...

Threads

Channels

- # general
- # github_noti
- # jenkins_build_result
- # jenkins_static_sonar
- # trello_noti
- 소프트웨어검증팀

+ Add a channel

Direct Messages

- Slackbot
- iiaii/최정현 (you)
- aeomhs/엄현식
- Cho beomseok/조범석
- ComGongHoeJang/박...
- DONGEONKIM/김동연
- hyh/한예훈
- Min/박형민

+ Invite people

Apps

- GitHub
- sonarqube_bug
- trello

#jenkins_build_result
☆ | 👤 8 | 🔖 0 | ✎ Add a topic

Thursday, May 30th

- CTIP_SMA_5 - #58 Success after 18 sec ([Open](#))

Friday, May 31st

jenkins APP 2:06 PM

- CTIP_SMA_5 - #59 Started by user CJH ([Open](#))
- CTIP_SMA_5 - #59 Success after 20 sec ([Open](#))

Sunday, June 2nd

jenkins APP 8:08 PM

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jenkins APP 8:43 PM

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8:43 PM CTIP_SMA_5 - #61 Success after 17 sec ([Open](#))

Monday, June 3rd

jenkins APP 3:31 PM

- CTIP_SMA_5 - #62 Started by user Hyunsik Aeom ([Open](#))
- CTIP_SMA_5 - #62 Success after 19 sec ([Open](#))

+ Message #jenkins_build_result

System Test

The screenshot shows a Trello board titled "ISSUE TRACKING" with a background image of a forest. The board is organized into five columns: "Todo : Issue", "Todo : Build Result", "Todo : StaticAnalysis", "Done", and "Doing". The "Todo : Issue" column is highlighted with a red border and contains several cards with Korean text. The other columns contain cards with technical details and test results.

Todo : Issue

- C4 : 다음 모드 이동 시, 비프음이 울리지 않는다.
- C5 : 모드 변경후 다시 모드로 복귀시, 정보가 유지되지 않는다.
- C18 : 다음 모드 이동 시, 비프음이 울리지 않는다.
- C19 : 모드 변경후 다시 모드로 복귀시, 정보가 유지되지 않는다.
- C23 : 모드 변경후 다시 모드로 복귀시, 정보가 유지되지 않는다.
- C25 : 모드 변경후 다시 모드로 복귀시, 정보가 유지되지 않는다.
- C28 : 모드 변경후 다시 모드로 복귀시, 정보가 유지되지 않는다.

Todo : Build Result

+ Add a card

Todo : StaticAnalysis

- S10 : Make this anonymous inner class a lambda
- S11 : Change this instance-reference to a static reference.
- S12 : Either remove or fill this block of code.
- S14 : Remove this unused "isBeeping" private field.
- S18 : Either remove or fill this block of code.
- S19 : Replace this "Map.get()" and condition with a call to "Map.computeIfAbsent()".

+ Add another card

Done

- C3 : 오전 1시부터12시의 시간 표시가 변경되지 않는다.
- B2 : 오전 1시부터12시의 시간 표시가 변경되지 않는다
- I2 : [SMA] CTIP 기본 프로젝트 빌드 및 테스트
- I3 : [SMA] Pull Request 테스트
- B53 : CTIP_SMA_5 : FAILURE
- B54 : CTIP_SMA_5 : FAILURE
- B55 : CTIP_SMA_5 : FAILURE
- B56 : CTIP_SMA_5 : FAILURE

+ Add another card

Doing

- I1 : SV Team Presentat

[SMA]

+ Add another card

System Test

The screenshot shows a Trello card titled "B15 : Beep 소리가 나지 않는다" (B15: Beep sound does not occur) in the "Done" list. The card is highlighted with a red box. The card's content includes:

- LABELS:** A green "Accept" label is highlighted with a red box.
- Description:** A list of test details:
 - Mode : Mode Setting
 - Use Case : Change Mode
 - Test Case : 모드 변경시 Beep 소리가 나는지 확인한다
 - Expected Output : Beep 소리가 날 것이다
- Add Comment:** A text input field with the placeholder "Write a comment..." and a "Save" button below it.
- Activity:** A comment from user "Biccon" dated "Jun 2 at 4:38 PM" with the text "문서상 스펙 제거" (Remove spec from document) is highlighted with a red box. Below the comment are "Reply" and "Delete" options.

On the right side of the card, there are sections for "ADD TO CARD" (Members, Labels, Checklist, Due Date, Attachment), "POWER-UPS" (Get Power-Ups), and "ACTIONS" (Move, Copy, Watch, Archive, Share).

System Test

The image shows a Trello card interface. The card title is "B10 : 무엇이 시작일이고 종료일인지 구별할수 없다" (B10: Cannot distinguish between start and end dates). It is located in the "Done" list. The card has a label "Dis accept" highlighted with a red box. The description includes a bulleted list: "Mode : D-day", "Use Case : Set D-day", "Test Case : 시작일과 종료일 설정시 무엇이 시작일이고 종료일인지 구분되는지 확인한다", and "Expected Output : 시작일과 종료일이 무엇인지 식별 가능할 것이다". There is a comment section with a comment from "Biccon" dated "Jun 1 at 9:37 PM" with the text "문서상 명세에도 없음", also highlighted with a red box. The right sidebar shows various actions like "Move", "Copy", "Watch", "Archive", and "Share".

System Test

The screenshot shows a Trello board for 'ISSUE_TRACKING' with a Kanban workflow. The board is organized into five columns: 'Issue', 'Todo : Build Result', 'Todo : StaticAnalysis', 'Doing', and 'Done'. The 'Todo : StaticAnalysis' column contains four cards with technical details:

- S5**: 171 more lines of code need to be covered by tests to reach the minimum threshold of 65.0% lines coverage.
- S61**: Assign this magic number 646 to a well-named constant, and use the constant instead.
- S2**: Name 'GUI' must match pattern `^[a-z]+(\.[a-zA-Z][a-zA-Z0-9_]*)*$`.
- S24**: Private field 'ws' could be made final; it is only initialized in the declaration or constructor.
- S92**: Assign this magic number 158 to a well-named constant, and use the constant instead.

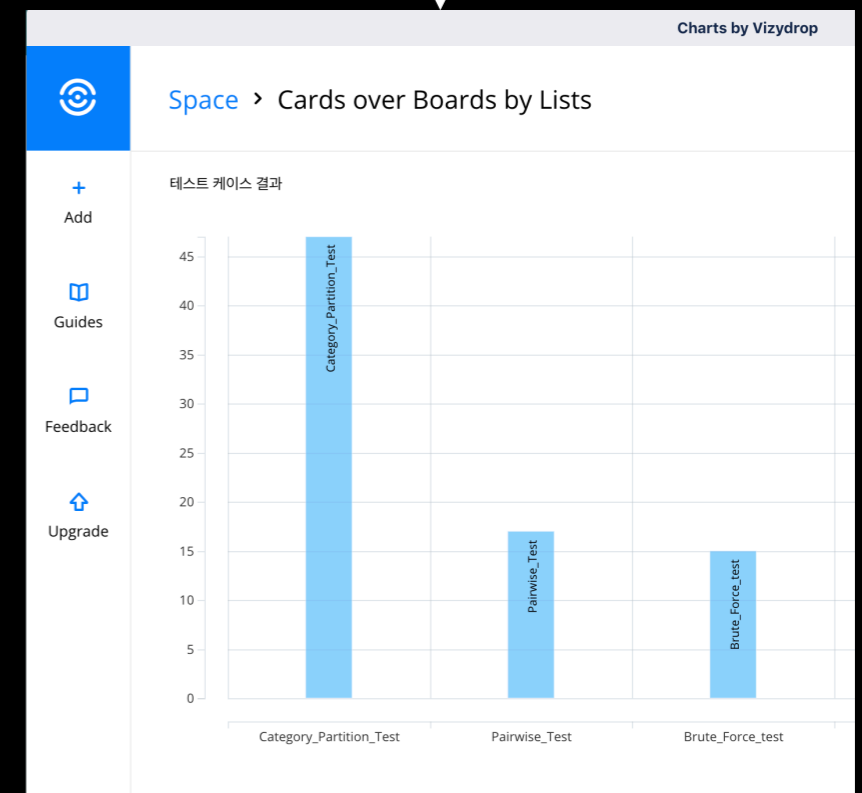
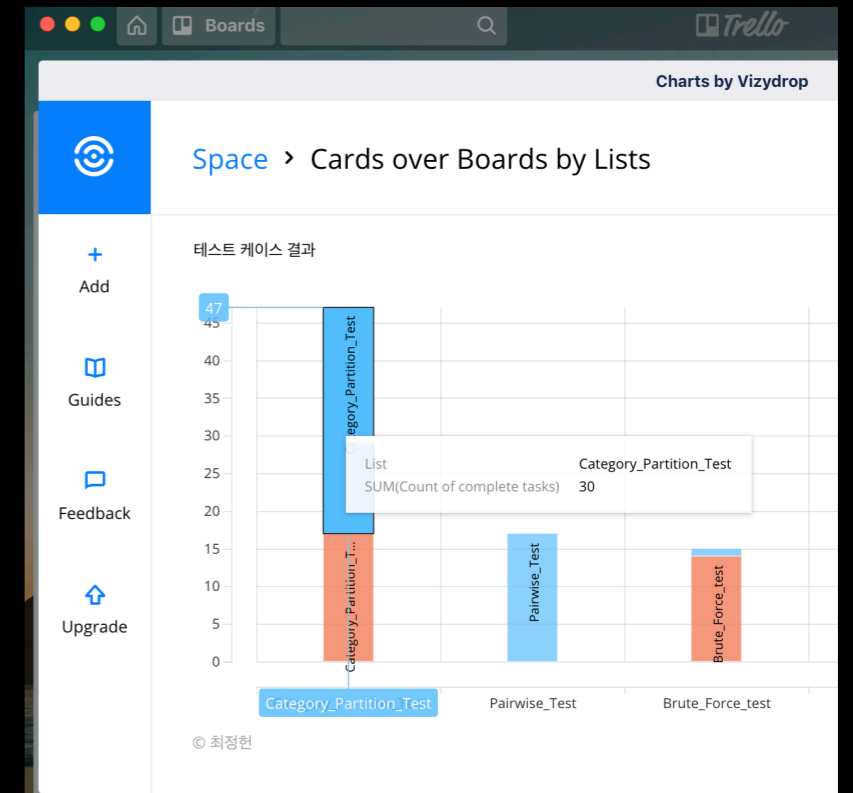
The 'Done' column contains six cards with Korean text:

- B1**: 모든 값이 이상한 값으로 바뀌고 시간 변경이 불가능해진다
- B3**: 타이머 30초 설정 후 모드변경 이머를 제외해도 30초 후에 알람이 울린다
- B4**: 타이머가 0이되어 알람이 울리지를 멈추면 설정한 타이머 시간으로 다시 울린다는 내용이 스펙에 나와있지 않아 추가 필요
- B5**: 수정모드에서 D버튼을 눌러도 enabled된 알람이 disabled 상태로 바뀌지 않는다 (00시00분00초 상태로 초기화됨)
- B6**: C버튼을 눌러 수정모드 접근 후 D버튼을 누르면 0으로 리셋된다 (스펙과 다름)

System Test

SYSTEM_TEST | SV3SMA5 | Free | Team Visible | 최 A B HY 박 7 | Invite

Category	Test Case	Status
Category_Partition_Test	[Category : TimeKeeping]	5/5
	[Category : Set TimeKeeping]	
	[Category : Timer]	9/9
	[Category : Set Timer]	
	[Category : Alarm]	9/9
	[Category : Set Alarm]	
	[Category : Stopwatch]	5/5
	[Category : Record Stopwatch]	1/1
	[Category : DDay]	10/10
	[Category : Set DDay]	
[Category : Interval]	6/6	
Pairwise_Test	[Time Keeping]	3/3
	[Timer]	3/3
	[Stopwatch]	2/2
	[Alarm]	3/3
	[D-day]	2/2
	[Interval Timer]	4/4
Brute_Force_test	[Mode : Time Keeping]	2/2
	[Mode : Watch Timer]	2/2
	[Mode : Alarm]	2/2
	[Mode : D-day]	6/6
	[Mode : Interval Timer]	2/2
	[Mode : Mode Setting]	1/1
		1



Static Analysis



Amazon
EC2

Quality Profiles / Java

CTIP

Rules	Active	Inactive
Total	1.8k	53
 Bugs	585	1
 Vulnerabilities	172	0
 Code Smells	1k	52
 Security Hotspots	32	0

Deprecated Rules  [185](#)

Exporters

[PMD](#)

[FindBugs](#)

[Checkstyle](#)

Static Analysis

Overall	
Coverage	95.0%
Lines to Cover	18
Uncovered Lines	0
Line Coverage	100%
Conditions to Cover	2
Uncovered Conditions	1
Condition Coverage	50.0%
Tests	
Errors	0
Failures	0
Skipped	0
Success	100%

TimeKeeping.java

Overall	
Coverage	35.1%
Lines to Cover	1,164
Uncovered Lines	688
Line Coverage	40.9%
Conditions to Cover	416
Uncovered Conditions	338
Condition Coverage	18.8%
Tests	
Unit Tests	72
Errors	0
Failures	0
Skipped	5
Success	100%

CTIP_SMA_5

```
38 kkom...
39 mois...
40 admi...
41 kkom...
42
```

Fully covered by tests.

Covered

```
43 public void setHourformat() {
44
45 admi...
46 kkom...
47 mois...
48 kkom... }
```

Partially covered by tests (1 of 2 conditions).

Not covered

Static Analysis


 Bug




272

```
boolean is_stop[] = {instManager.getTimer().getIs_stop(),instManager.getStopwatch().getIs_stop()};
```

```
if((is_stop[0]==true)||is_stop[1]==true)||is_stop[2]==true)
```

Array index is out of bounds: 2 ...


9 days ago ▾ L61 

 Bug  Critical  Open Not assigned 15min effort

 correctness

>> 심각한 문제로 이슈로 취급되어야 한다고 판단

Static Analysis

 Code Smell

13k

```
else if(timekeeping.getYear() == calendar.get(Calendar.YEAR)){
```

"if ... else if" constructs should end with "else" clauses. 

7 days ago ▾ L209 

 Code Smell  Critical  Open Not assigned 5min effort


 based-on-misra, cert




>> Critical, Blocker 는 이슈로 취급해야할 수준이라고 판단

Static Analysis

 Vulnerability 136

```
public AlarmView alarmView = null;
```


Make alarmView a static final constant or non-public and provide accessors if needed.  9 days ago ▾ L12 

 Vulnerability  Minor  Open Not assigned 10min effort

 cwe

>> 이슈로 취급할 정도의 수준이 아니라고 판단

Static Analysis

 Bug

272

 Code Smell

 Blocker 178

 Critical 255

Total : **705** 개의 이슈

Static Analysis

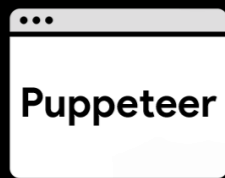
The screenshot shows the SonarQube interface for project CTIP_SMA_6. The main content area displays a list of issues from the file src/main/java/View/AlarmView.java. A red box highlights a specific issue:

- Issue Title:** Method View.AlarmView\$2.actionPerformed(ActionEvent) Method explicitly sets the color of a Component
- Severity:** Major
- Category:** Bug
- Resolution:** Open
- Assigned To:** Not assigned
- Created:** 9 days ago
- Effort:** L216
- Quality Gate:** correctness

The sidebar on the left shows the following filters:

- Type:** Bug (150), Vulnerability (118), Code Smell (8.5k), Security Hotspot (0)
- Severity:** Blocker (22), Critical (3), Major (123), Minor (2), Info (0)
- Resolution:** (expanded)
- Status:** (expanded)
- Creation Date:** (expanded)
- Language:** (expanded)
- Rule:** (expanded)
- Standard:** (expanded)
- Tag:** (expanded)
- Directory:** (expanded)
- File:** (expanded)
- Assignee:** (expanded)
- Author:** (expanded)

Static Analysis



```
TS interfaces.ts  TS bugfinder.ts x  JS bugfinder.js  TS bugfinder_test.ts  {} tsconfig.json  {} package.json  ↻ ⏪ ⏩ 🗑️ ⋮
132   };
133
134   // 메인
135   const main = async () => {
136
137       let bug_result: bug_data[] = [];
138
139       // 브라우저 / 페이지 변수 초기 설정 (퍼펫티어)
140       const browser: puppeteer.Browser = await puppeteer.launch();
141       const page: puppeteer.Page = await browser.newPage();
142
143       try {
144           // 리스트의 카드 삭제
145           await delete_all_cards();
146
147           // 버그 가져오기
148           bug_result = await get_bugs(page, urls.sonarqube_bug, 'Bug');
149           // 가져온 내용으로 카드 추가
150           await create_cards(bug_result, trello.red_bug_label);
151
152           // 코드스멜 - critical 버그 가져오기
153           bug_result = await get_bugs(page, urls.sonarqube_codesmell_critical, 'Critical');
154           // 가져온 내용으로 카드 추가
155           await create_cards(bug_result, trello.red_critical_label);
156
157           // 코드스멜 - blocker 가져오기
158           bug_result = await get_bugs(page, urls.sonarqube_codesmell_blocker, 'Blocker');
159           // 가져온 내용으로 카드 추가
160           await create_cards(bug_result, trello.orange_blocker_label);
161
162           return {
163               status: 200,
164               bugs: bug_result,
165           };
166       } catch (error) {
167           return {
168               status: 500,
169               error_msg: error,
170               bugs: bug_result
171           };
172       } finally {
173           browser.close();

```

Static Analysis

The screenshot shows a Kanban board for a project named 'ISSUE_TRACKING'. The board is divided into five columns: 'Todo : Issue', 'Todo : Build Result', 'Todo : StaticAnalysis', 'Doing', and 'Done'. The 'StaticAnalysis' column is highlighted with a red border and contains the following items:

- Assertion 141: Remove or correct this assertion.
- Assertion 142: Remove or correct this assertion.
- Assertion 143: Remove or correct this assertion.
- Blocker 01: Add or update the header of this file.
- Blocker 02: Missing an import control file.
- Blocker 03: Add or update the header of this file.

The 'Done' column contains six items (B1-B6) with Korean descriptions:

- B1: 모든 값이 이상한 값의 시간 변경이 불가능해진다
- B3: 타이머 30초 설정 후 타이머를 제외해도 30초 후
- B4: 타이머가 0이되어 알... 을 멈추면 설정한 타이머... 워진다는 내용이 스펙에... 추가 필요)
- B5: 수정모드에서 D버튼... enabled된 알람이 disab... 지 않는다 (00시00분00... 성화됨)
- B6: C버튼을 눌러 수정모... 을 누르면 0으로 리셋된다

Static Analysis

Bug 01 : Method new GUI.DigitalWatch() Method explicitly sets the color of a Component
in list [Todo : StaticAnalysis](#)

LABELS
Bug +

Description Edit
http://13.209.176.175:9000/project/issues?id=CTIP_SMA_5&resolved=false&types=BUG&open=AWsdAq9X22NN5QsnHfZ7

Add Comment
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Members
Labels
Checklist
Due Date
Attachment

POWER-UPS
Get Power-Ups

ACTIONS
Move
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Static Analysis

The screenshot displays the SonarQube web interface for a project named 'CTIP_SMA_5'. The top navigation bar includes 'sonarqube', 'Projects', 'Issues', 'Rules', 'Quality Profiles', and 'Quality Gates'. A search bar and 'Log in' link are also present. The main content area shows the 'Issues' tab for the file 'src/main/java/GUI/DigitalWatch.java'. On the left, a list of issues is shown, with the first one highlighted in red: 'Method new GUI.DigitalWatch() Method explicitly sets the color of a Component'. The main area shows the code editor with line numbers 30 to 58. A red circle highlights a specific issue in the code editor, which is also listed in the left sidebar: 'Method new GUI.DigitalWatch() Method explicitly sets the color of a Component'. The issue is marked as a 'Bug' with a 'Major' severity, is 'Open', and 'Not assigned'. It was reported '14 days ago' and is located at 'L44'. The issue is associated with the 'correctness' quality gate. The code snippet shows a loop that sets the background color of buttons to 'Color.red'.

