

AUTOMATION TESTING

CILSY STAGING(BIG PROJECT)



REQUITMENT

- 1.Melakukan automation API testing , Performance testing ,N2N testing
- 2.Membuat manual test case dari hasil automation testing tersebut
- 3.Membuat request API automation minimal 5 Endpoint
- 4.Membuat automation yang berfokus ke fikur board minimal 5 scenario
- 5.Hasil automation test di kirim ke Github



Mengenal Aplikasi Cicle



Cicle adalah all-in-one-tools untuk mengelola pekerjaan & komunikasi tim yang bersifat kolaborasi mempermudah untuk mentraking kerjaan,tugas,dokumentasi dan sarana untuk berdiskusi antar tim

Di Cicle app ini ada banyak sekali fitur yang bisa digunakan. Ada real time chat, blast atau broadcast messages, schedule yang bisa diintegrasikan dengan Google Calendar / Apple Calendar, Kanban Board, Checkins, dan Docs.

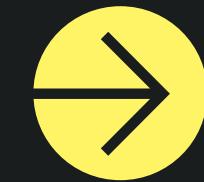
[KEMBALI KE HALAMAN AGENDA](#)

API TEST

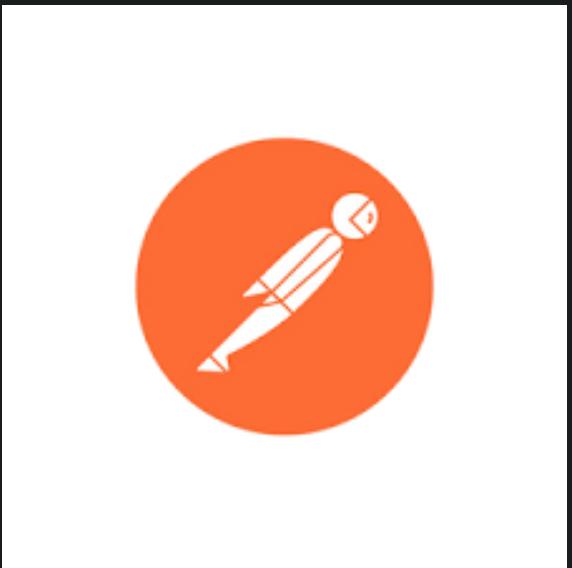


API Test Tools

Metode 1



Test request Tools



Postman

Postman adalah developing tools yang membantu penggunanya untuk membangun, menguji, dan memodifikasi API. Postman mengirim request API ke server web dan kemudian menerima segala jenis respons.

API automation tools



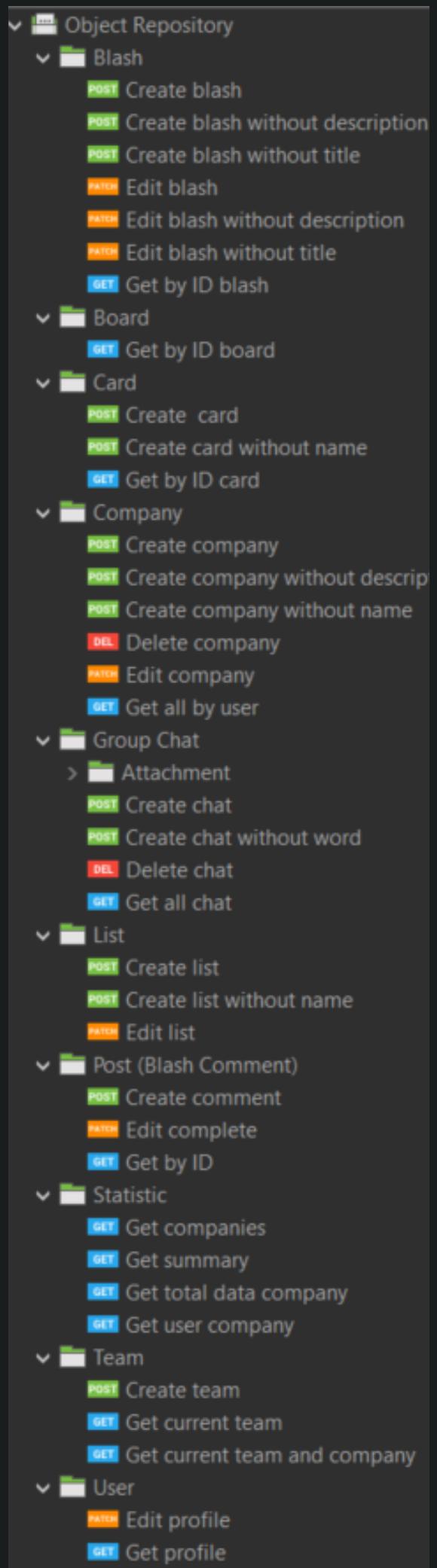
Katalon Studio

Katalon Studio adalah aplikasi open source untuk pengujian secara otomatis yang dikembangkan oleh Katalon LLC. Katalon mendukung 3 platform pengujian secara automasi, yaitu Web testing, API testing, dan Mobile testing.

REQUEST TEST Metode 1

Total : 37 Test case

- 1. Blash = 7 test case
- 2. Board = 1 test case
- 3. Card = 3 test case
- 4. Company = 5 test case
- 5. Group chat = 6 test case
- 6. List = 3 test case
- 7. Post = 3 test case
- 8. Statistic = 4 test case
- 9. Team = 3 test case
- 10. User = 2 test case



TEST RESULT Metode 1

positive case

Passed = 28
Failed = 1
Total = 29

Presentase

96,5%

Positive			
Execution Environment			
Host name	62812 - Chrome		
Local OS	Windows 10 64bit		
Katalon version	8.4.1.208		
Browser	null		
Summary			
ID	Test Suites/Positive		
Description			
Total	29		
Passed	28	Failed	1
Error	0	Incomplete	0
Skipped	0		
Start	2022-12-04 18:33:46	End	2022-12-04 18:38:53
Elapsed	5m - 6.969s		
#	ID	Description	Status
1	Test Cases/Company/Positive/TCP-021_Create company		PASSED
2	Test Cases/Company/Positive/TCP-020_Get all by user		PASSED
3	Test Cases/User/TCP-002>Edit profile		PASSED
4	Test Cases/Team/TCP-003_Get current team		PASSED
5	Test Cases/Team/TCP-004_Get current team and company		PASSED
6	Test Cases/Team/TCP-005_Create team		PASSED
7	Test Cases/Statistic/TCP-006_Get companies		PASSED
8	Test Cases/Statistic/TCP-008_Get total data company		FAILED
9	Test Cases/Statistic/TCP-009_Get user company		PASSED
10	Test Cases/Post/TCP-010_Get by ID		PASSED
11	Test Cases/User/TCP-001_Get profile		PASSED
12	Test Cases/Post/TCP-012_Edit complete		PASSED
13	Test Cases/List/Positive/TCP-013_Create list		PASSED

TEST RESULT Metode 1

negative case

Passed = 1
Failed = 8
Total = 9

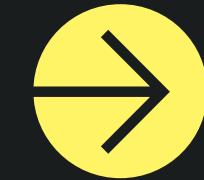
Presentase

11,1%

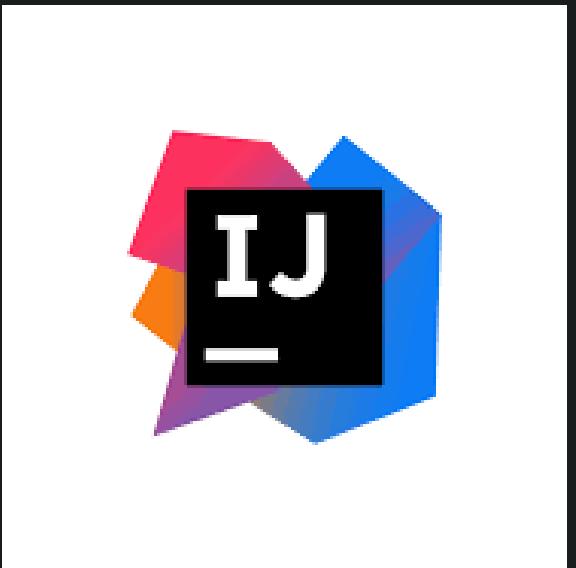
Negative			
Execution Environment			
Host name	62812 - Chrome		
Local OS	Windows 10 64bit		
Katalon version	8.4.1.208		
Browser	null		
Summary			
ID	Test Suites/Negative		
Description			
Total	9		
Passed	1	Failed	8
Error	0	Incomplete	0
Skipped	0		
Start	2022-12-04 20:03:07	End	2022-12-04 20:03:39
Elapsed	32.287s		
#	ID	Description	Status
1	Test Cases/List/Negative/TCN-037_Create list without name		FAILED
2	Test Cases/Group chat/Negative/TCN-036_Create chat without word		FAILED
3	Test Cases/Company/Negative/TCN-034_Create company without name		FAILED
4	Test Cases/Company/Negative/TCN-035_Create company without description		FAILED
5	Test Cases/Card/Negative/Create card without name		FAILED
6	Test Cases/Blash/Negative/TCN-030_Create blash without title		PASSED
7	Test Cases/Blash/Negative/TCN-031_Create blash without description		FAILED
8	Test Cases/Blash/Negative/TCN-032_Edit blash without title		FAILED
9	Test Cases/Blash/Negative/TCN-033_Edit blash without description		FAILED

API Test Tools

Metode 2



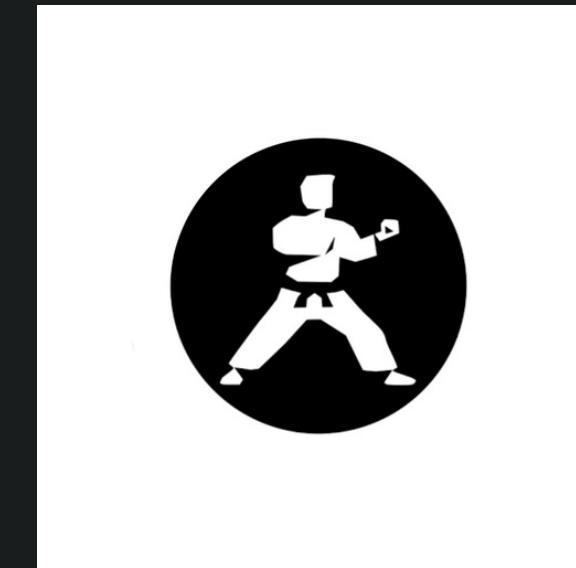
IDE tools



IntelliJ IDEA

IntelliJ IDEA adalah lingkungan pengembangan terintegrasi yang ditulis dalam Java untuk mengembangkan perangkat lunak komputer yang ditulis dalam Java, Kotlin, Groovy, dan bahasa berbasis JVM lainnya.

API automation tools



Karate Studio

Karate adalah satu-satunya open-source tool untuk menggabungkan API test-automation, mocks, performance-testing dan bahkan UI automation ke dalam satu kerangka kerja.

TEST RESULT Metode 2

positive case



Karate Labs

Features		Tags Timeline					
Feature	Title	Passed	Failed	Scenarios	Time (ms)		
src/test/java/Features/card.feature	User Card	2	0	2	751		
src/test/java/Features/statistic.feature	User Statistic	3	0	3	593		
src/test/java/Features/groupchat.feature	User Groupchat	3	0	3	2847		
src/test/java/Features/post.feature	User Post	3	0	3	7762		
src/test/java/Features/team.feature	User Team	3	0	3	1946		
src/test/java/Features/list.feature	User List	2	0	2	1265		
src/test/java/Features/users.feature	User Profile	2	0	2	230		
src/test/java/Features/blash.feature	User blash	3	0	3	2888		
src/test/java/Features/board.feature	User Board	1	0	1	538		
src/test/java/Features/company.feature	User Company	3	0	3	20758		

2022-12-05 07:53:41 AM

Passed = 25

Failed = 0

Total = 25

Presentase

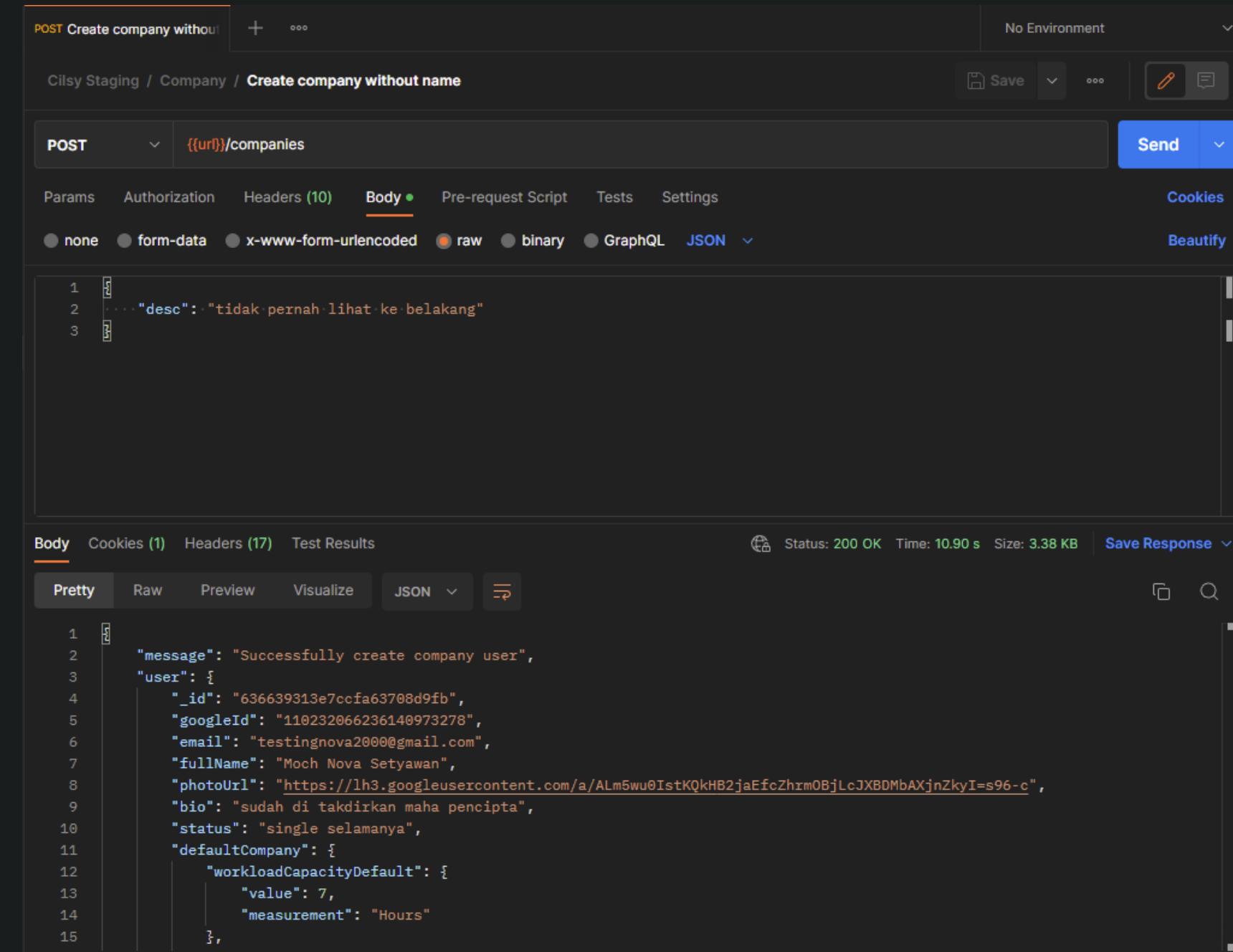
100%

ISSUE REPORT

dapat tercreate dikarenakan beberapa struktur body tidak dikasih validasi oleh tim developer

dapat ditemukan di :

1. Create list without name
2. Create chat without word
3. Create company without name
4. Create company without description
5. Create card without name
6. Create blash without description
7. Edit blash without title
8. Edit blash without description



The screenshot shows a Postman interface with the following details:

- Request URL:** {{url}}/companies
- Method:** POST
- Body:** JSON (selected)
- Body Content:**

```
1 {  
2   "desc": "tidak pernah lihat ke belakang"  
3 }
```
- Status:** 200 OK
- Time:** 10.90 s
- Size:** 3.38 KB

The response body is displayed as:

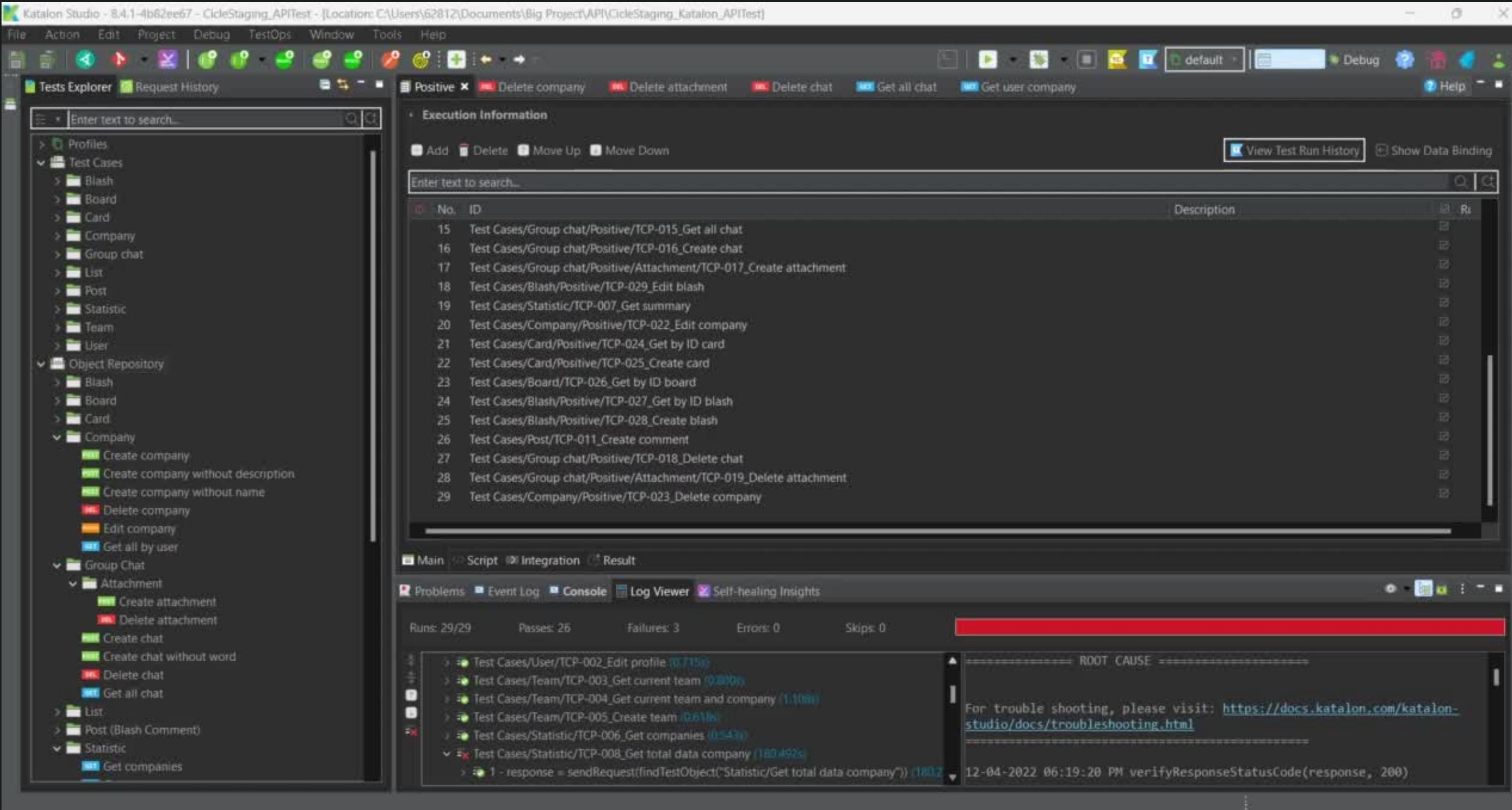
```
1 {  
2   "message": "Successfully create company user",  
3   "user": {  
4     "_id": "636639313e7ccfa63708d9fb",  
5     "googleId": "110232066236140973278",  
6     "email": "testingnova2000@gmail.com",  
7     "fullName": "Moch Nova Setyawan",  
8     "photoUrl": "https://lh3.googleusercontent.com/a/ALm5wu0IstKQkHB2jaEfcZhzm0BjLcJXBDMbAXjnZkyI=s96-c",  
9     "bio": "sudah di takdirkan maha pencipta",  
10    "status": "single selamanya",  
11    "defaultCompany": {  
12      "workloadCapacityDefault": {  
13        "value": 7,  
14        "measurement": "Hours"  
15      },  
16    },  
17  },  
18}
```

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API RECORD



KATALON



Documentary :
https://drive.google.com/file/d/1SfdGFoogi1AhOcFCDEC44_udJmUz7Xnl/view?usp=share_link

KARATE

The screenshot shows the IntelliJ IDEA interface with a Java project named "CicleStaging_Karate_APITest". The project structure is visible on the left, showing a "src" directory containing "main" and "test" packages. The "test" package contains a "java" folder with a "Features" folder containing numerous JSON files (e.g., 1_createBlash.json, 1_createCard.json, etc.) and feature files (e.g., blash.feature, board.feature). The main focus is on the "testRunner.java" file in the "test" package, which is open in the editor. The code defines a class "testRunner" with a single method "runTest" annotated with "@Karate.Test". The code imports com.intuit.karate.junit5.Karate and uses it to run tests from the specified paths.

```
import com.intuit.karate.junit5.Karate;  
  
public class testRunner {  
    @Karate.Test  
    public Karate runTest(){  
        return Karate.run(...paths: "src/test/java/Features");  
    }  
}
```

Documentary :

<https://drive.google.com/file/d/1OegUfKhXmXGrvE0S6tycM8omQ1t4T-fM/view?usp=sharing>

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PEFORMANCE TEST



Performance Test Tools



JMeter

Apache JMeter adalah proyek Apache yang dapat digunakan sebagai alat pengujian beban untuk menganalisis dan mengukur kinerja berbagai layanan, dengan fokus pada aplikasi web.

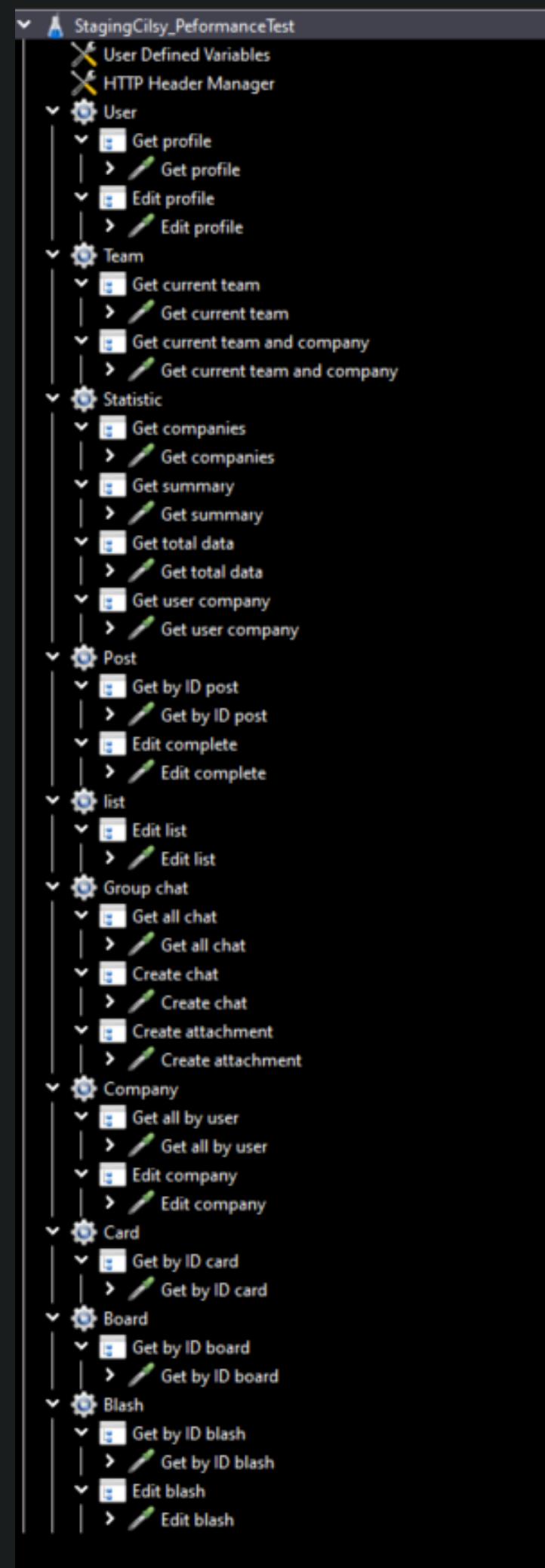
REQUEST TEST

Total : 10 thread group

- 1. Blash = 2 request
- 2. Board = 1 request
- 3. Card = 1 request
- 4. Company = 2 request
- 5. Group chat = 3 request
- 6. List = 1 request
- 7. Post = 2 request
- 8. Statistic = 4 request
- 9. Team = 2 request
- 10. User = 2 request

Plot

Number of trhread = 50
Ramp-up period = 100
Loop count = 6

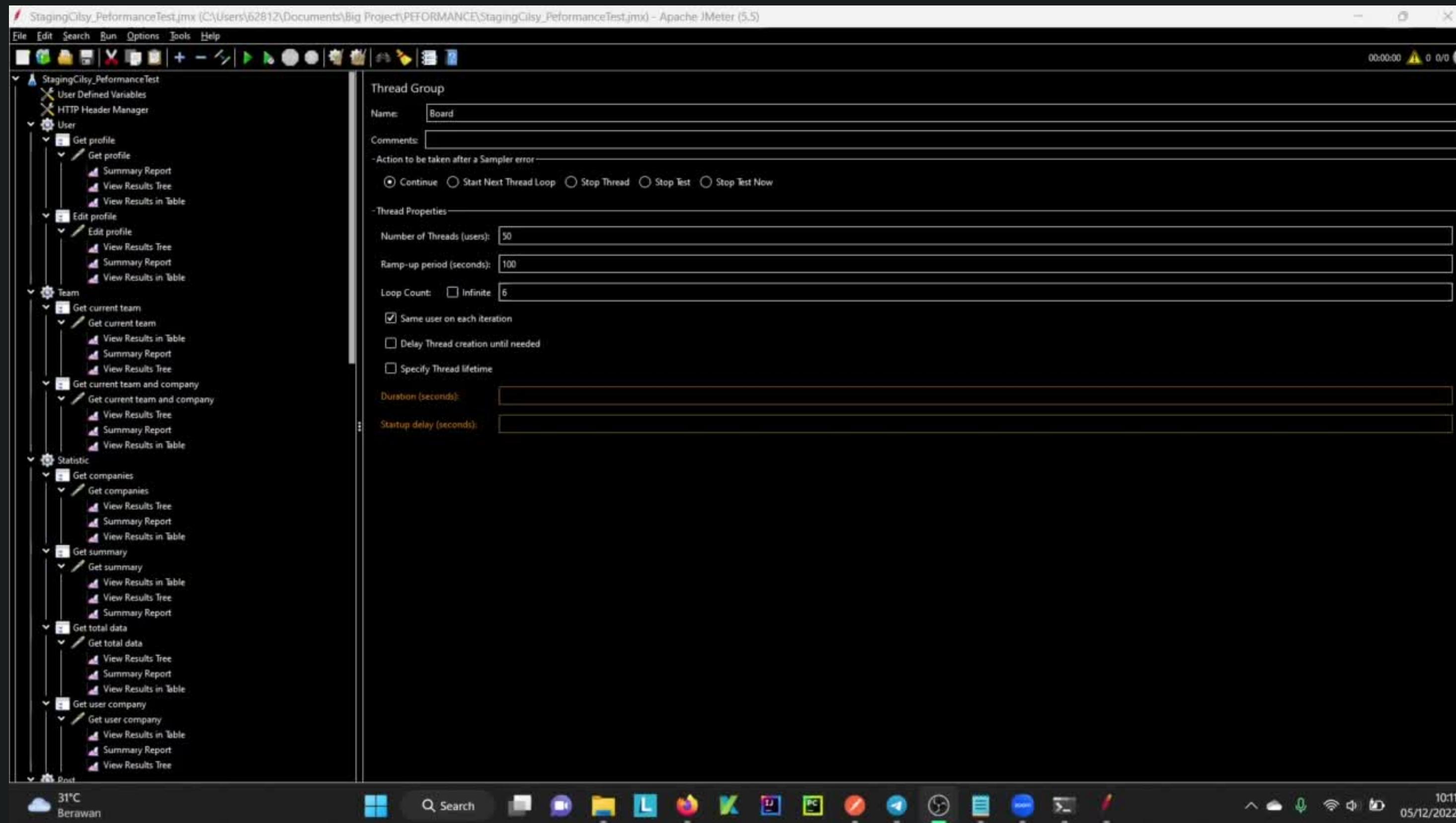


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PEFORMANCE RECORD



Jmeter



Documentary :

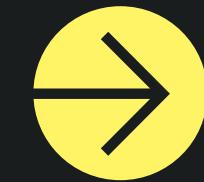
https://drive.google.com/file/d/1k6ZqW_allCAo5fFhN2uGS1VAgfe_WPbO/view?usp=sharing

KEMBALI KE HALAMAN AGENDA

N2N TEST

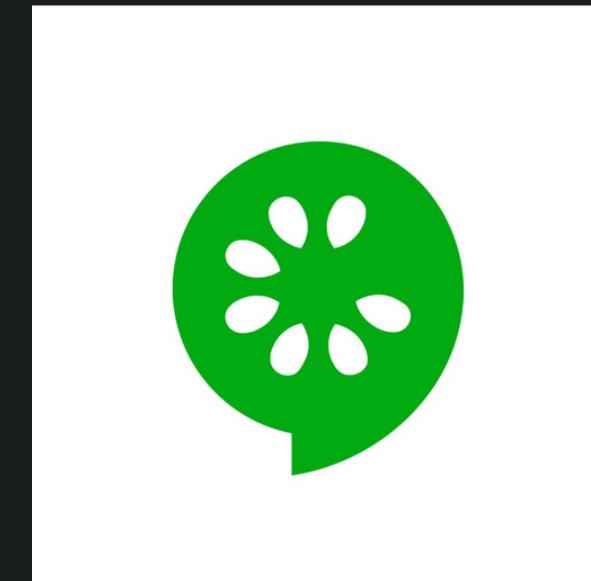


N2N Test Tools



Selenium

Selenium adalah proyek payung open source untuk berbagai alat dan perpustakaan yang ditujukan untuk mendukung otomatisasi browser.



Cucumber

adalah alat perangkat lunak yang mendukung pengembangan berbasis perilaku. Inti dari pendekatan Cucumber BDD adalah pengurai bahasa biasa yang disebut Gherkin. Hal ini memungkinkan perilaku perangkat lunak yang diharapkan untuk ditentukan dalam bahasa logis yang dapat dipahami pelanggan

Blash Positive

- User create new blash
- User edit blash detail
- User add comment in blash
- User cheers in blash
- User edit comment blash
- User edit subscriber blash
- User edit complete post
- User archive blash

The screenshot shows a terminal window with the following output:

```
Please see https://chromedriver.chromium.org/security-considerations for suggestions on keeping ChromeDriver safe.  
ChromeDriver was started successfully.  
Dec 07, 2022 5:29:41 PM org.openqa.selenium.remote.ProtocolHandshake createSession  
INFO: Detected dialect: W3C  
  
8 Scenarios (8 passed)  
62 Steps (62 passed)  
2m59.456s
```

At the bottom of the terminal window, there is a status bar with the following information:

- Version Control
- Run
- Debug
- TODO
- Problems
- Terminal
- Build
- Dependencies

On the far left, there is a sidebar with icons for Bookmarks, Structure, and other development tools.

Blash Negative

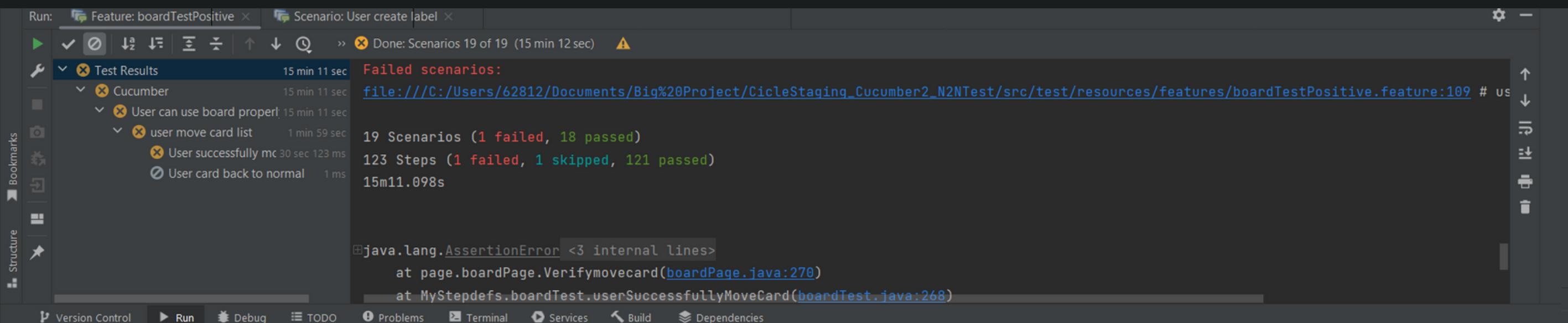
- User create blash without title
- User create blash without description
- User edit without subscriber in blash

```
Feature: blashTestNegative2
  Done: Scenarios 3 of 3 (1 min 50 sec)
  Test Results          1 min 49 sec
  Cucumber             1 min 49 sec
    User cant use Blash properly 1 min 49 sec
      User create blash withc 29 sec 413 ms
        User cant create blash 2 sec 51 ms
  Failed scenarios:
    file:///C:/Users/62812/Documents/Big%20Project/CicleStaging_Cucumber2_N2NTest/src/test/resources/features/blashTestNegative2.feature:14 # User cant use Blash properly
    3 Scenarios (1 failed, 2 passed)
    21 Steps (1 failed, 20 passed)
    1m49.265s

    +java.lang.AssertionError <4 internal lines>
      at MyStepdefs.blashTest.userCantCreateBlashWithoutDescription(blashTest.java:251)
```

Board Positive

- User create new board list
- User create new card
- User edit board list
- User edit card
- User add description
- User edit description
- User add comment in board
- User add subscriber in board
- User create label
- User add label
- User remove label
- user move card list
- User send attachment in board
- User edit attachment in board
- User delete attachment in board
- user makes the card private
- user makes the card public
- user set due date
- user remove due date



The screenshot shows a Java IDE interface with a dark theme. The top navigation bar includes tabs for 'Run', 'Feature: boardTestPositive', and 'Scenario: User create label'. Below the tabs, there's a toolbar with various icons. The main area displays a 'Test Results' tree and a detailed log of the test run.

Test Results:

- Test Results: 15 min 11 sec
- Cucumber: 15 min 11 sec
 - User can use board properly: 15 min 11 sec
 - user move card list: 1 min 59 sec
 - User successfully move card: 30 sec 123 ms
 - User card back to normal: 1 ms

Failed scenarios:

```
file:///C:/Users/62812/Documents/Big%20Project/CicleStaging_Cucumber2_N2NTest/src/test/resources/features/boardTestPositive.feature:109 # user move card list
```

19 Scenarios (1 failed, 18 passed)
123 Steps (1 failed, 1 skipped, 121 passed)
15m11.098s

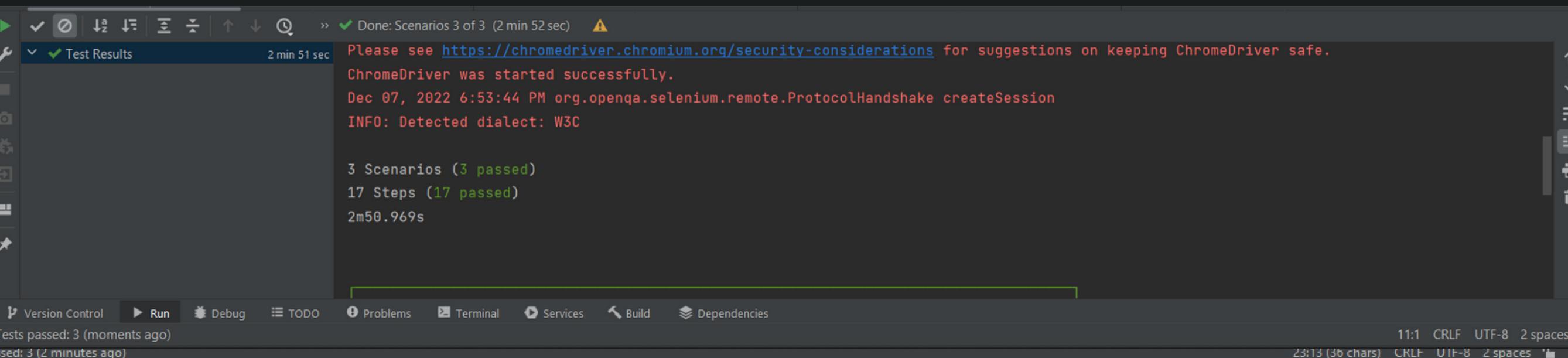
Exception Detail:

```
java.lang.AssertionError <3 internal lines>
    at page.boardPage.Verifymovecard(boardPage.java:270)
    at MyStepdefs.boardTest.userSuccessfullyMoveCard(boardTest.java:268)
```

At the bottom, the IDE's navigation bar includes 'Version Control', 'Run', 'Debug', 'TODO', 'Problems', 'Terminal', 'Services', 'Build', and 'Dependencies'.

Groupchat Positive

- User send chat
- User delete chat
- User send mention chat



The screenshot shows a terminal window with the following output:

```
Please see https://chromedriver.chromium.org/security-considerations for suggestions on keeping ChromeDriver safe.
ChromeDriver was started successfully.
Dec 07, 2022 6:53:44 PM org.openqa.selenium.remote.ProtocolHandshake createSession
INFO: Detected dialect: W3C

3 Scenarios (3 passed)
17 Steps (17 passed)
2m50.969s
```

The terminal window also displays status bars at the bottom:

- Tests passed: 3 (moments ago)
- sed: 3 (2 minutes ago)
- 11:1 CRLF UTF-8 2 spaces
- 23:13 (36 chars) CRLF UTF-8 2 spaces

KEMBALI KE HALAMAN AGENDA

N2N RECORD



BOARD

The screenshot shows an IDE interface with the following details:

- File Menu:** File, Edit, View, Navigate, Code, Refactor, Build, Run, Tools, VCS, Window, Help.
- Title Bar:** CicloStaging_Cucumber2_N2NTest - boardTestPositive.feature
- Project Structure:** CicloStaging_Cucumber2_N2NTest / src / test / resources / features / boardTestPositive.feature
- Code Editor:** The file boardTestPositive.feature contains Cucumber scenarios. One scenario is selected:

```
1 @BoardPositive
2 Feature: User can use board properly
3
4 @Positive01
5 Scenario: User create new board list
6 Given User click nova team
7 When User click board box menu
8 And User click add new list
9 And User type list Column
10 And User click create button
11 Then User can see the result of create new board
12
13 @Positive02
14 Scenario: User create new card
15 Given User click nova team
16 When User click board box menu
17 And User click add card
```
- Run Tab:** Shows the run configuration for "Feature: boardTestPositive".
- Terminal:** Displays the execution results:

```
Driver info: driver.version: RemoteWebDriver
at org.openqa.selenium.remote.RemoteWebDriver.findElement(RemoteWebDriver.java:327)
at org.openqa.selenium.remote.RemoteWebDriver.findElementByXPath(RemoteWebDriver.java:428)
at org.openqa.selenium.By$ByXPath.findElement(By.java:353)
at org.openqa.selenium.remote.RemoteWebDriver.findElement(RemoteWebDriver.java:315)
at page.blashPage.Clicknovateambutton(blashPage.java:24)
at MyStepdefs.blashTest.userClickNovaTeam(blashTest.java:26)
at <generated>.User.click.nova.team(file:///C:/Users/62812/Documents/Big%20Project/CicleStaging_Cucumber2_N2NTest/src/test/resources/features/boardTestPositive.feature:14)
```
- Bottom Status Bar:** Version Control, Run, Debug, TODO, Problems, Terminal, Services, Build, Dependencies. Status: Build completed successfully in 1 sec, 573 ms (moments ago).
- System Tray:** Weather (29°C), Search bar, File, Copy, Paste, Undo, Redo, Terminal, Services, Build, Dependencies, Notifications, Date (07/12/2022), Time (18:35).

BLASH POSITIVE

The screenshot shows the IntelliJ IDEA interface with the following details:

- File Path:** CicleStaging_Cucumber2_N2NTest/src/test/java/features/blashTestPositive.feature
- Code Editor Content:** A Cucumber feature file named "blashTestPositive.feature". The file contains three scenarios under the "@Positive" tag:
 - Scenario: User create new blash**:
Given User click nova team
When User click blash box menu
And User click create blash button
And User type a title blash
And User type a description blash
And User click publish button
Then User can see the result of create new blash
 - Scenario: User edit blash detail**:
Given User click nova team
When User click blash box menu
And User choose blash
And User click dot three icon
And User click edit
And User type edit a title blash
And User type edit a description blash
And User click save changes
Then User can see the result of edit blash
 - Scenario: User add comment in blash**:
Given User click nova team
When User click blash box menu
And User choose blash
And User type comment
- Project Structure:** The left sidebar shows the project structure with packages like "javaNova", "test.java", "MyStepdefs", and "External Libraries".
- Toolbars and Status Bar:** The bottom of the screen includes toolbars for Version Control, Run, TODO, Problems, Terminal, Services, Build, and Dependencies. The status bar displays "Tests passed: 1 (moments ago)", "21:36 CRLF UTF-8 2 spaces", "26°C Berawan", and system icons.

BLASH NEGATIVE

The screenshot shows the IntelliJ IDEA interface with the following details:

- File Path:** CicleStaging_Cucumber2_N2NTest/src/test/java/features/blashTestNegative.feature
- Code Editor:** The file contains Cucumber feature and step definitions. It includes two scenarios under the @Negative tag: one for creating a blash without a title and another for creating a blash without a description.
- Project Structure:** The left sidebar shows the project structure with modules like javaNova and test, and files like blashTestNegative.feature, blashTestPositive.feature, boardTestPositive.feature, groupchatPositive.feature, loginTest.feature, and various MyStepdefs and testBase files.
- Run Tab:** The bottom left shows the run configuration for "Feature: blashTestNegative" with a status of "Done: Scenarios 4 of 4 (1 min 16 sec)".
- Test Results:** The bottom left also shows a detailed view of the test results, including the execution time (1 min 15 sec) and a summary of the four scenarios run.
- Terminal:** The bottom right shows the terminal output of the test execution, including logs for Java, ChromeDriver, and Selenium.
- System Tray:** The bottom right corner shows the system tray with icons for battery, signal, and date/time (07/12/2022, 07:53).

GROUPCHAT

The screenshot shows the IntelliJ IDEA interface with the following details:

- File Path:** CicleStaging_Cucumber2_N2NTest/src/test/java/features/groupchatPositive.feature
- Code Editor Content:**

```
1 Feature: User can use Groupcaht properly
2   @Positive
3     Scenario: User send chat
4       Given User click nova team
5       When User click groupchat box menu
6       And User type chat
7       And User send chat
8       Then User successfully send chat in groupchat
9
10    @Positive
11      Scenario: User delete chat
12        Given User click nova team
13        When User click groupchat box menu
14        And User click menu message
15        And User click delete message
16        And User click delete button
```
- Project Structure:** Shows the project tree with packages like javaNova, test, and features containing various test files.
- Run Tab:** Shows the run configuration "Scenario: User send mention chat" with a status of "Done: Scenarios 1 of 1 (17 sec 343 ms)".
- Test Results:** Shows the output of the test execution:

```
"C:\Program Files\Java\jdk1.8.0_341\bin\java.exe" ...
Testing started at 08:01 ...
Starting ChromeDriver 107.0.5304.62 (1eec40d3a5764881c92085aaee66d25075c159aa-refs/branch-heads/5304@{#942}) on port 52286
Only local connections are allowed.
Please see https://chromedriver.chromium.org/security-considerations for suggestions on keeping ChromeDriver safe.
ChromeDriver was started successfully.
[1670374898.407][WARNING]: This version of ChromeDriver has not been tested with Chrome version 108.
Dec 07, 2022 8:01:38 AM org.openqa.selenium.remote.ProtocolHandshake createSession
INFO: Detected dialect: W3C
```
- Bottom Status Bar:** Shows "1 Scenarios (1 passed)" and "Tests passed: 1 (moments ago)".
- System Tray:** Shows the date and time as "07/12/2022 08:02".

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BUG REPORT

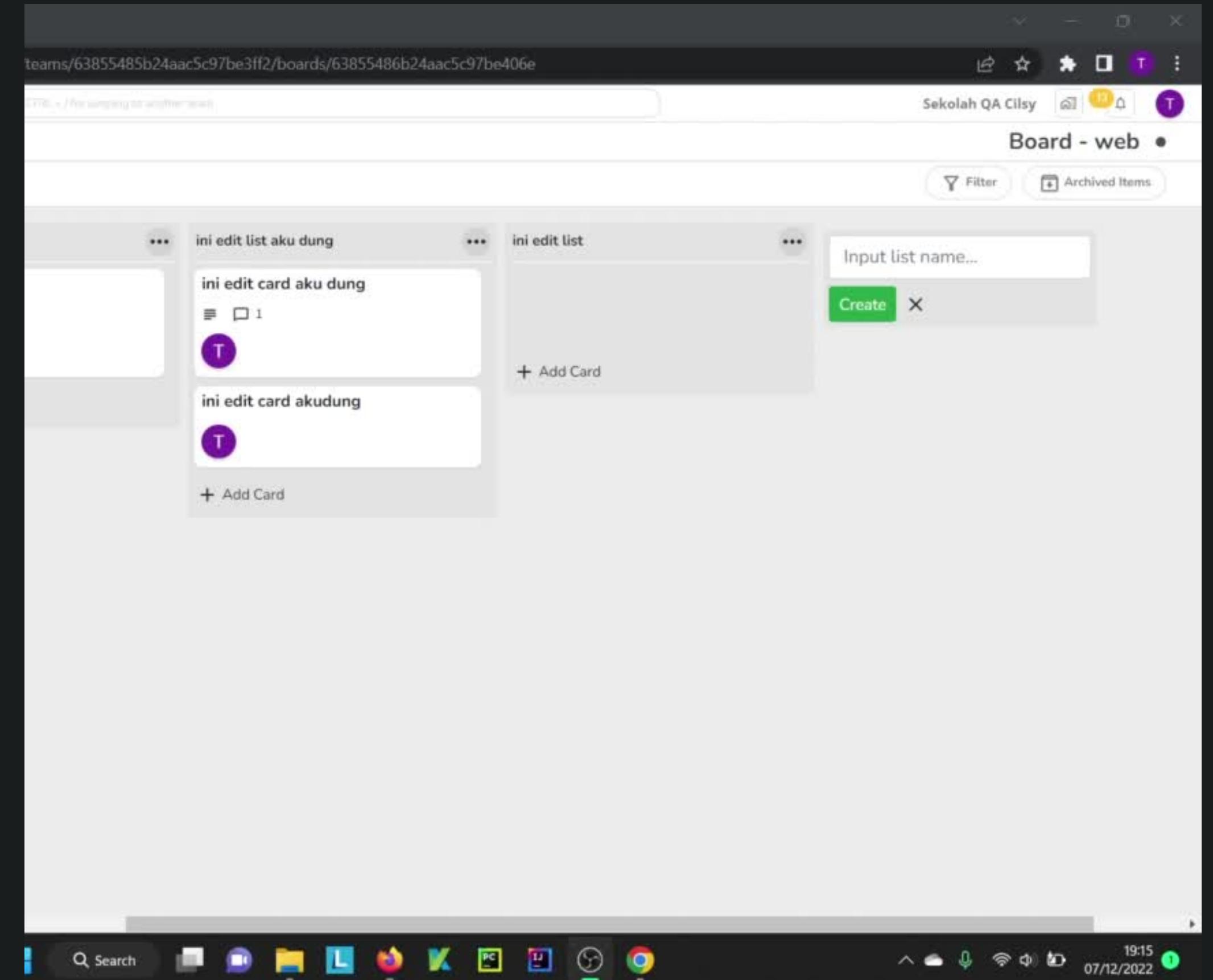


Bug Report 1

- User Restore Archive

Board List

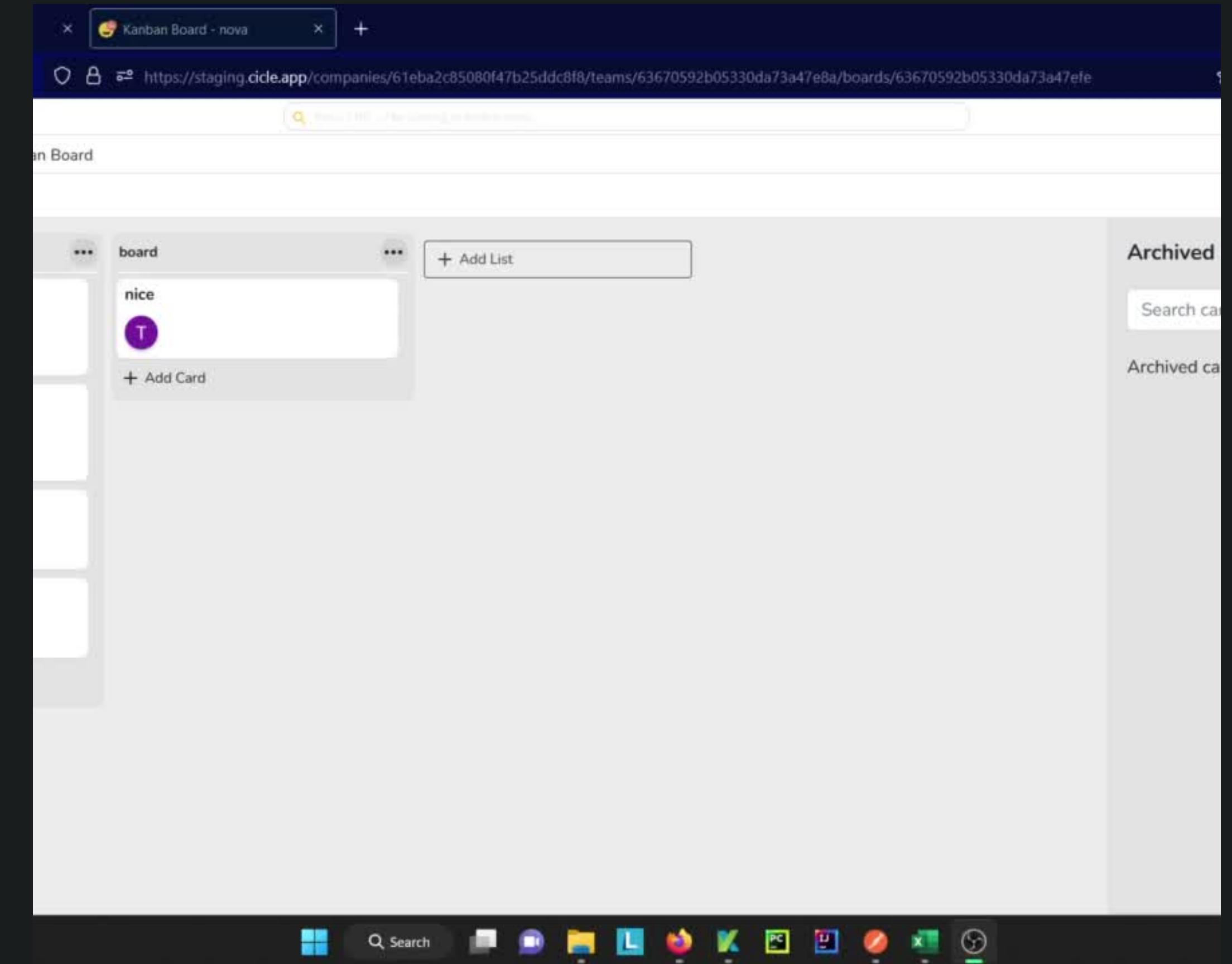
Hasil dari board arsip menghilang di menu arsip mengakibatkan tidak bisa restore board arsip



Bug Report 2

- User restore archive board when User restore archive when User archive all cards in this list

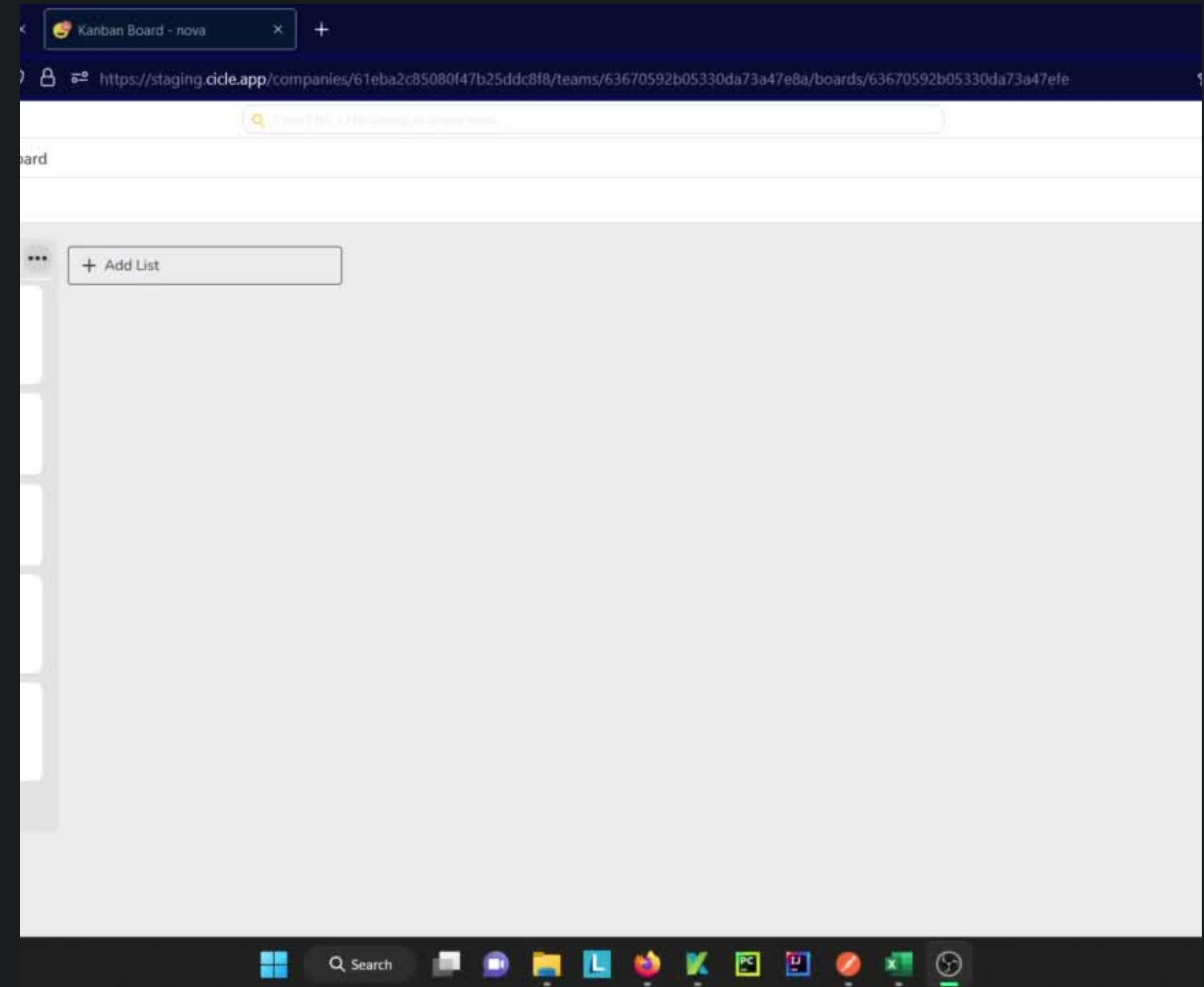
hasil board list akan menghilang dan jika di restore kembali akan menunjukan bahwa card akan berpindah ke board list lainnya



Bug Report 3

- User delete attachment in card

hasil lampiran delete akan muncul 2 notifikasi



Terima kasih

