



Wizeline Academy Challenge 2

Postman + Newman + Jenkins

Juan Tijerina

Challenge Description

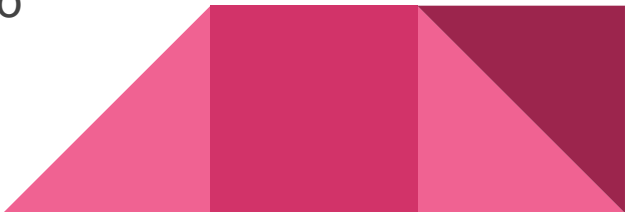
In this challenge the goal is to create a test suite for the TODOIST API, using Postman, Newman and a Continuous Integration tool (Jenkins).

Exercises

Postman - Created the test collection. Uses environment variables, assertions and data from a CSV file.

Newman - Created a new NodeJS project in VS Code. Updated the test in the main package to run the collection generated in Postman. Generated an HTML report.

Jenkins - Installed a new instance and created a project to execute the project and generate an XML report.



Postman Collection Runner Results

The screenshot shows the Postman interface with the Collection Runner results for a collection named 'JMT_2nd_Assessment'. The interface includes a sidebar with 'My Workspace' and a list of collections. The main panel displays a 'RUN SUMMARY' table with columns for the request name, status, and a progress bar. A user profile dropdown is visible on the right side of the interface.

Postman

File Edit View Help

Home Workspaces Reports Explore

Search Postman

My Workspace

New Import

JMT_2nd_Assess... JMT_2nd_Assess... + ...

JMT_2nd_Assessment No Environment, 8:35 AM

RUN SUMMARY

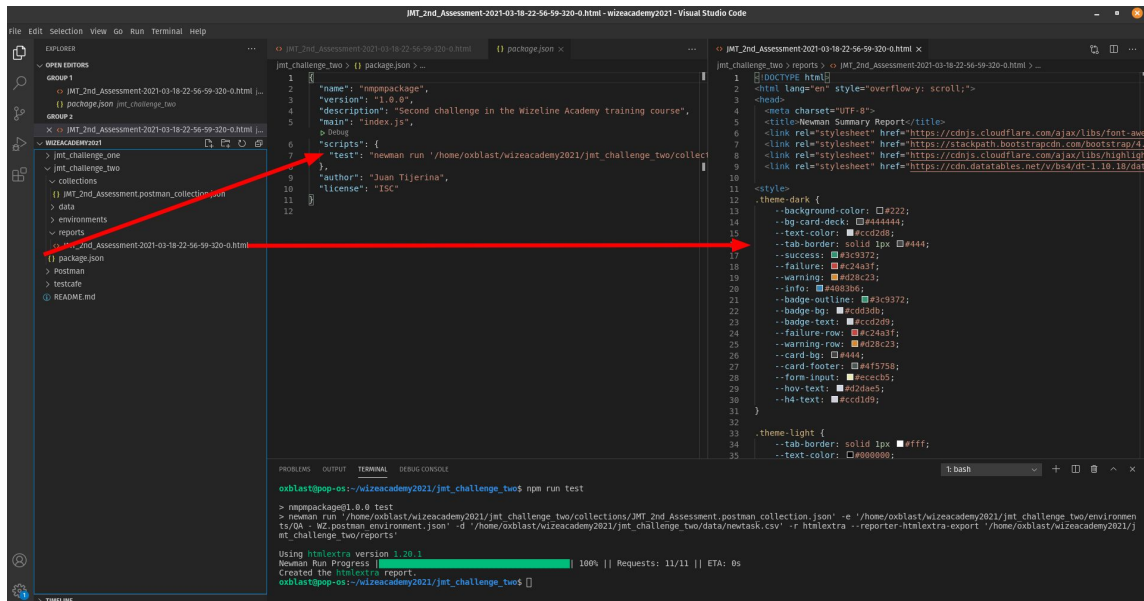
	1
GET 1.Get_Active_Tasks_PositiveScen...	1 0
POST 2.Post_New_Task_PositiveScen...	1 0
POST 2.1.Post_New_Task_NegativeSc...	1 0
GET 3.Get_Active_Task_PositiveScen...	1 0
POST 4.Post_Update_Task_PositiveSc...	1 0
POST 4.1.Post_Update_Task_Negative...	1 0
POST 5.Post_Complete_Task_Positive...	1 0
GET 5.1.Get_Active_Task_NegativeS...	1 0
POST 6.Post_Reopen_Task_PositiveSc...	1 0
DEL 7.Post_Delete_Task_PositiveSc...	1 0
DEL 7.1.Post_Delete_Task_NegativeS...	1 0

Juan Manuel Tijerina
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View Profile

Account Settings
Active Sessions
Sign Out

+ Add a new account

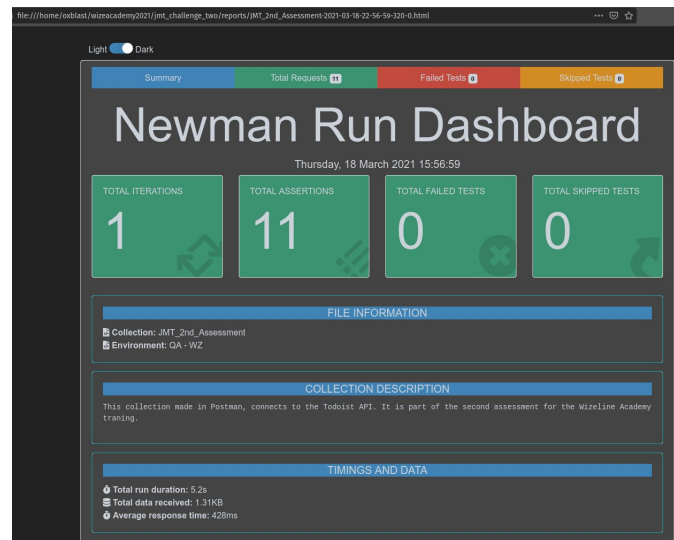
Newman Project Execution



```
1 {
2   "name": "nmpackage",
3   "version": "1.0.0",
4   "description": "Second challenge in the Wizline Academy training course",
5   "main": "index.js",
6   "scripts": {
7     "test": "newman run /home/oxblast/wizeacademy2021/jmt_challenge_two/collections/jmt_challenge_two.postman_collection.json"
8   },
9   "author": "Juan Tijerina",
10  "license": "ISC"
11 }
12
```

```
oxblast@oxp-as:~/wizeacademy2021/jmt_challenge_two$ npm run test
> nmpackage@1.0.0 test
> newman run /home/oxblast/wizeacademy2021/jmt_challenge_two/collections/jmt_challenge_two.postman_collection.json -e /home/oxblast/wizeacademy2021/jmt_challenge_two/environment.ts/BA_WZ.postman_environment.json -d /home/oxblast/wizeacademy2021/jmt_challenge_two/data/newtask.csv -r htmlextra -reporter-htmlextra-export /home/oxblast/wizeacademy2021/jmt_challenge_two/reports

Using htmlextra version 2.28.1
Newman Run Progress [ 100% ] | Requests: 11/11 | ETA: 0s
Created the htmlextra report:
oxblast@oxp-as:~/wizeacademy2021/jmt_challenge_two$
```



Jenkins Project Execution

Jenkins Project

Build command: newman run

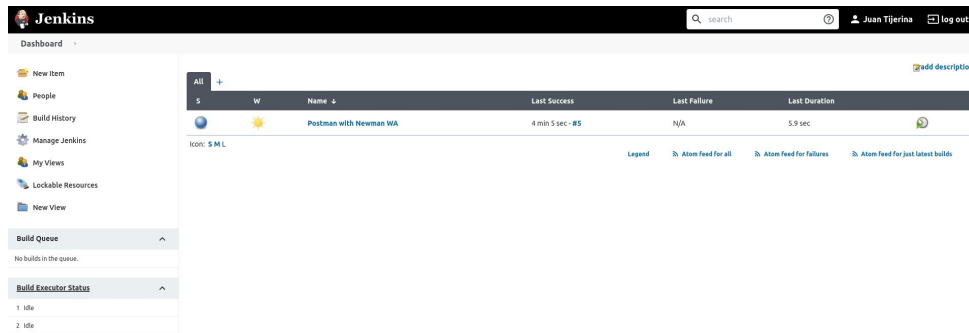
/home/oxblast/wizeacademy2021/Postman/JMT_2nd_Assessment.postman_collection.json

-e '/home/oxblast/wizeacademy2021/Postman/QA - WZ.postman_environment.json' -d

'/home/oxblast/wizeacademy2021/Postman/newtask.csv' --reporters cli,junit

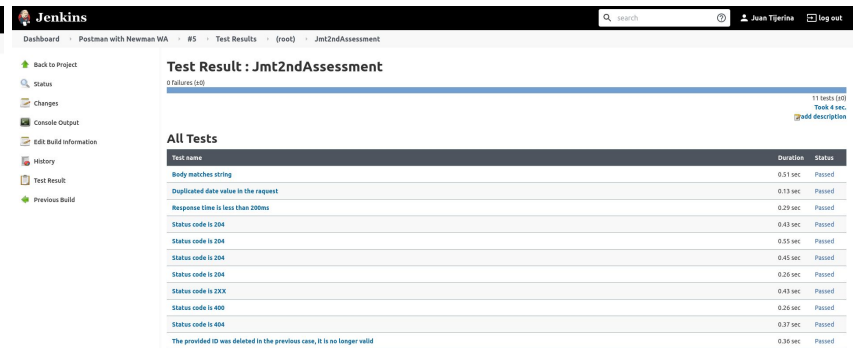
--reporter-junit-export "newman/myreport.xml" --suppress-exit-code 1

Junit XML report: newman/myreport.xml



The screenshot shows the Jenkins Dashboard. The top navigation bar includes the Jenkins logo, a search bar, and the user 'Juan Tijerina' with a 'log out' button. The main content area displays a table of builds for the 'Postman with Newman WA' job. The table has columns for 'Name', 'Last Success', 'Last Failure', and 'Last Duration'. The current build is '5' and is in a 'Success' state. The left sidebar contains links to 'New Item', 'People', 'Build History', 'Manage Jenkins', 'My Views', 'Lockable Resources', and 'New View'. At the bottom, there are sections for 'Build Queue' (showing 'No builds in the queue') and 'Build Executor Status' (showing '1 idle' and '2 idle' executors).

Name	Last Success	Last Failure	Last Duration
Postman with Newman WA	4 min 5 sec - #5	N/A	5.9 sec



The screenshot shows the Jenkins Test Result page for the 'Jmt2ndAssessment' job. The top navigation bar is the same as the dashboard. The main content area displays the test results for 'Jmt2ndAssessment'. It shows a summary of '0 failures (0)' and '11 tests (0)'. Below this, there is a table of 'All Tests' with columns for 'Test name', 'Duration', and 'Status'. The tests listed are 'Body matches string', 'Duplicated date value in the request', 'Response time is less than 200ms', 'Status code is 204', 'Status code is 204', 'Status code is 204', 'Status code is 204', 'Status code is 204', 'Status code is 204', 'Status code is 400', 'Status code is 404', and 'The provided ID was deleted in the previous case, it is no longer valid'. All tests are in a 'Passed' state.

Test name	Duration	Status
Body matches string	0.51 sec	Passed
Duplicated date value in the request	0.13 sec	Passed
Response time is less than 200ms	0.29 sec	Passed
Status code is 204	0.43 sec	Passed
Status code is 204	0.55 sec	Passed
Status code is 204	0.45 sec	Passed
Status code is 204	0.26 sec	Passed
Status code is 204	0.43 sec	Passed
Status code is 400	0.26 sec	Passed
Status code is 404	0.37 sec	Passed
The provided ID was deleted in the previous case, it is no longer valid	0.38 sec	Passed