

TQS Project - PartyShare

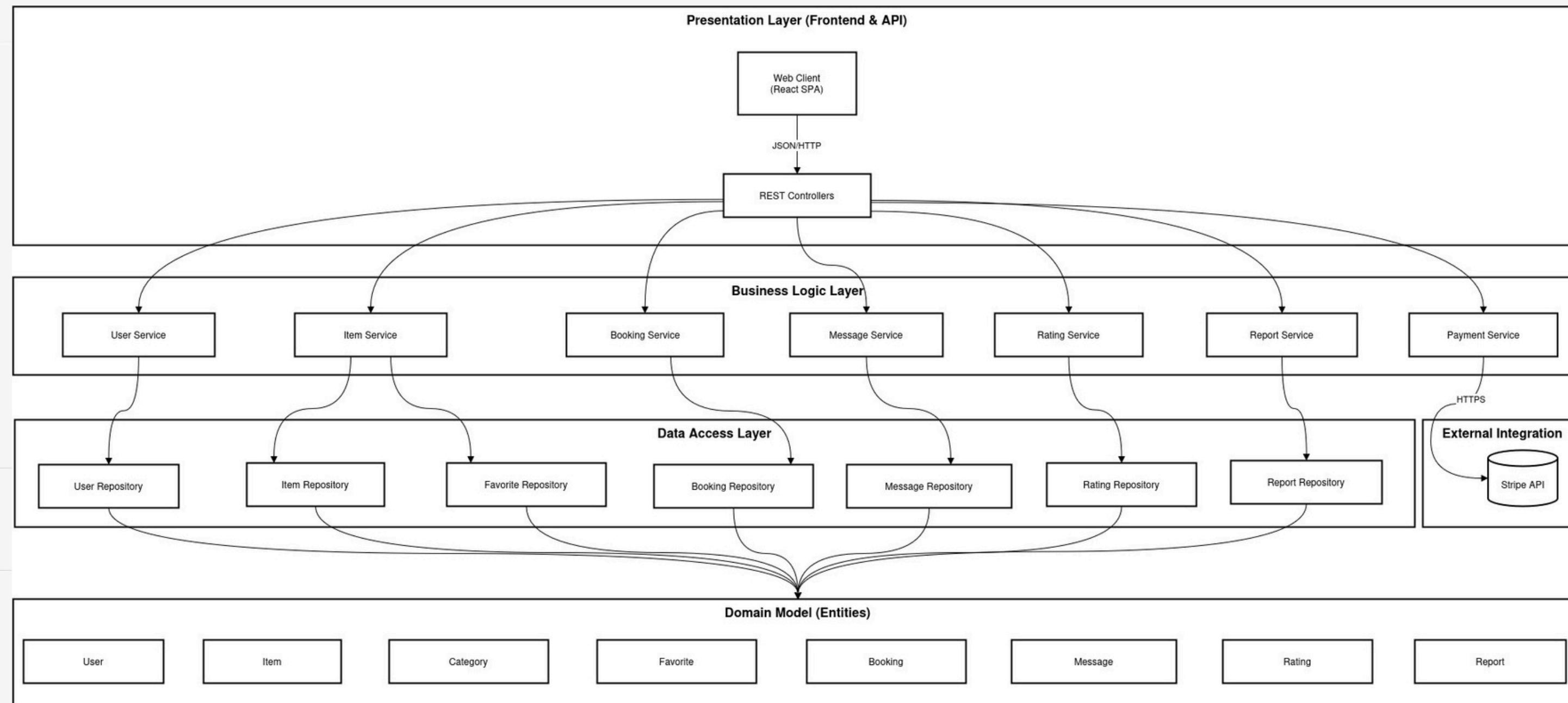
Testes e Qualidade de Software
2025/2026

João Barreira 120054; Gonçalo Almeida 119792; Margarida Ribeiro 119876; Rodrigo Santos 119198

“

PartyShare is a open renting platform for
Party Items, where anyone can **Rent** and
Rent Out their personal party-related items

Architecture



Demo

Demo

Item Search - Party x +

Not secure deti-tqs-08.ua.pt/items/search

Find Items
Discover amazing items for your party

José Antunes [Dashboard](#) [Reports](#) [Logout](#)

[My BookingRequests](#)

[Messages](#)

[Profile](#)

Search Category Max Price Location

What are you looking for? All Categories € City Filter Clear

Image	Name	Price	Description	Location	Rating	Actions
	JBL Go Party Column €25.0	€25.0	Maximum Power, 100W Response frequency, 50Hz – 20KHz (-6 dB) Connectivity: Bluetooth 4.2, NFC	Aveiro	★ 0.0	Details Heart
	Party Lights €15.0	€15.0	Party Lightings, various settings	Ílhavo	★ 0.0	Details Heart
	DJ Control €35.0	€35.0	DJ table	Gafanha da Nazaré	★ 0.0	Details Heart
	Disco Ball €15.0	€15.0	Disco Ball for 80's party	Porto	★ 0.0	Details Heart

Demo

Add New Item - Par x +

Not secure deti-tqs-08.ua.pt/items/new

★ Add New Item
List a new item for others to rent

Name
Cinema Kit

Description
Projector and Proj|

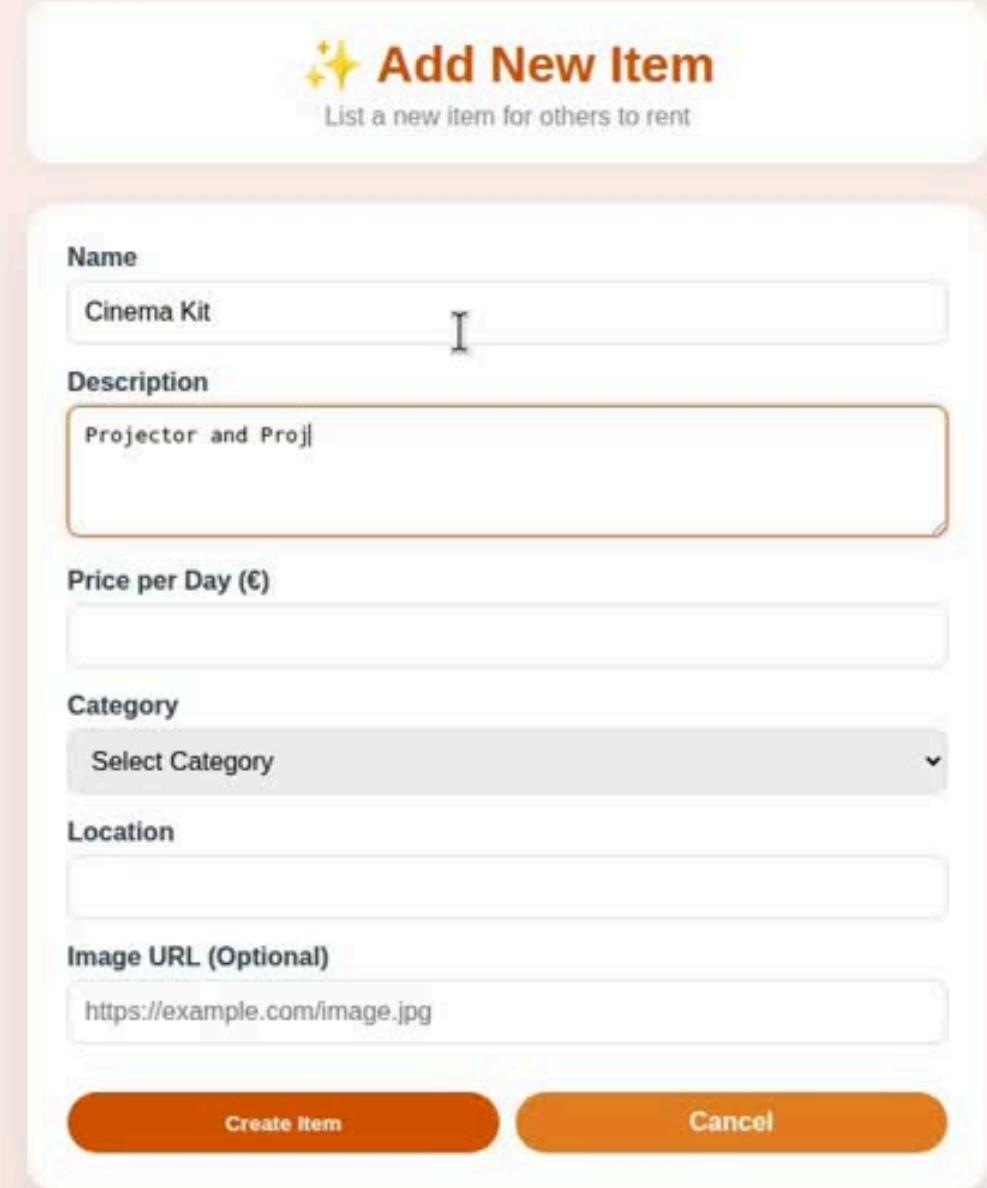
Price per Day (€)

Category
Select Category

Location

Image URL (Optional)
https://example.com/image.jpg

Create Item Cancel



Demo

Admin Dashboard - Not secure deti-tqs-08.ua.pt/admin/dashboard

[Back to App](#) [Logout](#)

[User Management](#) [Categories](#) [Reports](#)

TOTAL USERS **10**

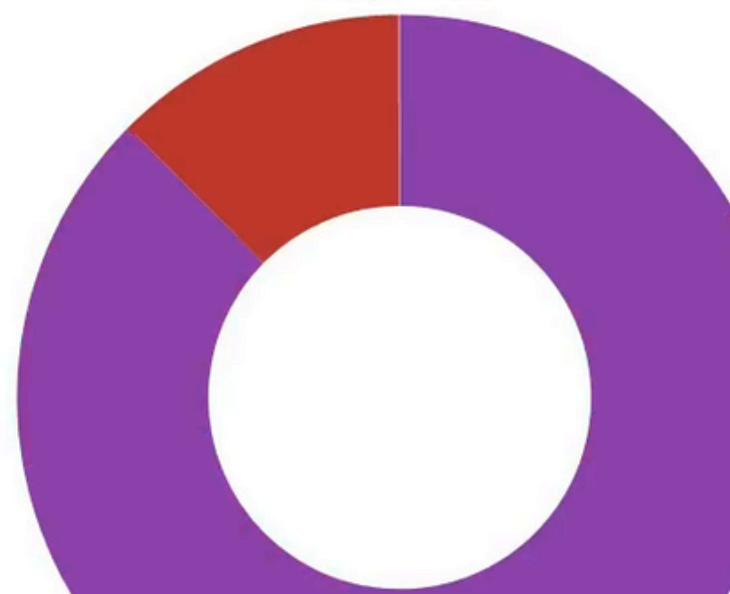
TOTAL BOOKINGS **7**

TOTAL REVENUE **€7660.00**

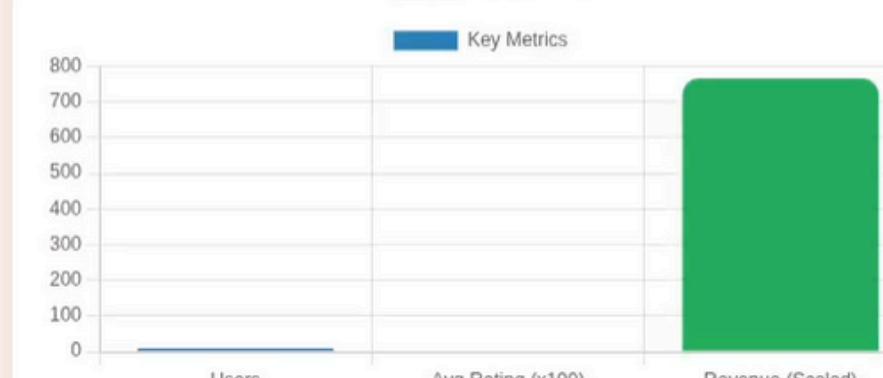
PENDING REPORTS **1**

AVG RATING **0.0**

Activity Distribution



System Health Metrics



Metric	Value
Users	~10
Avg Rating (x100)	~0.0
Revenue (Scaled)	~766000

Demo

Admin Dashboard - Not secure deti-tqs-08.ua.pt/admin/dashboard

Platform Overview & Statistics

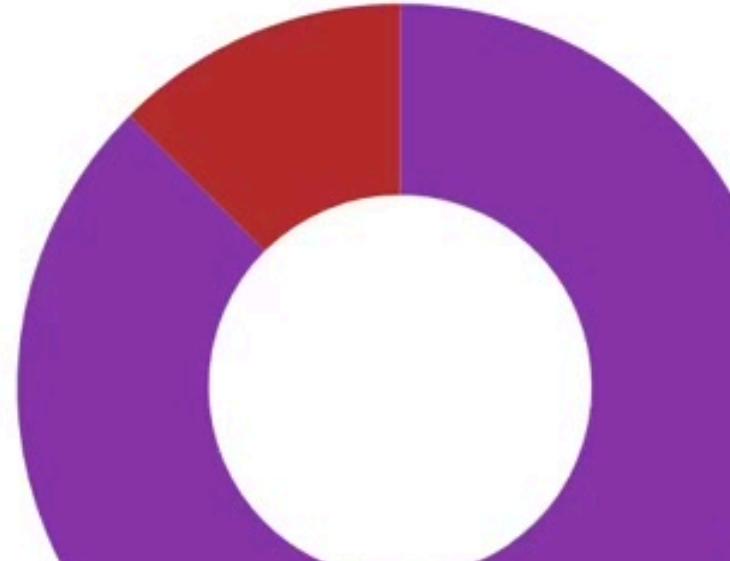
[Back to App](#) [Logout](#)

User Management Categories Reports

TOTAL USERS: 10 TOTAL BOOKINGS: 7 TOTAL REVENUE: €7660.00 PENDING REPORTS: 1

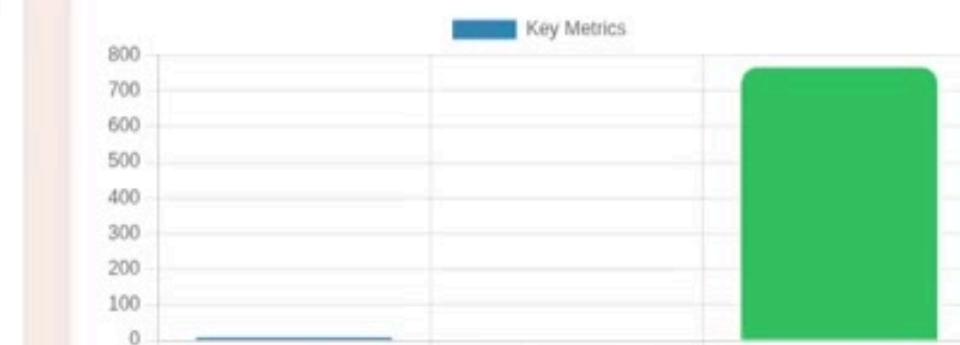
AVG RATING: 0.0

Activity Distribution



System Health Metrics

Key Metrics



Demo

Item Search - Part 1 Not secure deti-tqs-08.ua.pt/items/search

Find Items
Discover amazing items for your party

José Antunes [Dashboard](#) [Reports](#) [Logout](#)

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	Party Lights €15.0	€15.0	Party Lightings, various settings	lhavo	★ 0.0	Details Heart
	DJ Control €35.0	€35.0	DJ table	Gafanha da Nazaré	★ 0.0	Details Heart
	Disco Ball €15.0	€15.0	Disco Ball for 80's party	Porto	★ 0.0	Details Heart

Demo

Item Search - Part 1

Not secure deti-tqs-08.ua.pt/items/search

Find Items
Discover amazing items for your party

Pedro Oliveira Favorites Reports Logout

Bookings

Messages

Profile

Search Category Max Price Location

What are you looking for? All Categories € City Filter Clear

Image	Name	Price	Location	Rating
	JBL Go Party Column €25.0	€25.0	Aveiro	0.0
	Party Lights €15.0	€15.0	Ilhavo	0.0
	DJ Control €35.0	€35.0	Gafanha da Nazare	0.0
	Disco Ball €15.0	€15.0	Porto	0.0

[Details](#) [Heart](#)

[Details](#) [Heart](#)

[Details](#) [Heart](#)

[Details](#) [Heart](#)

Demo

Item Search - Party x +

Not secure deti-tqs-08.ua.pt/items/search

Find Items
Discover amazing items for your party

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[My BookingRequests](#)

[Messages](#)

[Profile](#)

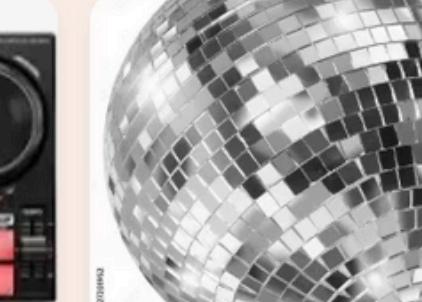
Search Category Max Price Location

What are you looking for? All Categories € City Filter Clear

 **JBL Go Party Column €25.0**
Maximum Power, 100W Response frequency, 50Hz – 20KHz (-6 dB)
Connectivity: Bluetooth 4.2, NFC
Aveiro ★ 0.0 [Details](#) [Heart](#)

 **Party Lights €15.0**
Party Lightings, various settings
ílhavo ★ 0.0 [Details](#) [Heart](#)

 **DJ Control €35.0**
DJ table
Gafanha da Nazaré ★ 0.0 [Details](#) [Heart](#)

 **Disco Ball €15.0**
Disco Ball for 80's party
Porto ★ 0.0 [Details](#) [Heart](#)

Demo

A screenshot of a web browser window titled "Booking Requests". The URL in the address bar is "deti-tqs-08.ua.pt/bookings/requests". The main content area displays a booking request for a "Cinema Kit". The request details are as follows:

- Renter ID: 6
- Dates: 2025-12-18 to 2025-12-21
- Total Price: €42.00

Below the details are three buttons: "Accept" (green), "Decline" (red), and "Counter Offer" (orange). At the top right of the content area are two buttons: "Back to Search" and "Reports".

Demo

Item Search - Part 1

Not secure deti-tqs-08.ua.pt/items/search

Find Items
Discover amazing items for your party

Pedro Oliveira Favorites Reports Logout

Bookings Messages Profile

Search Category Max Price Location

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Image	Name	Price	Description	Location	Rating	Actions
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	Disco Ball	€15.0	Disco Ball for 80's party	Porto	★ 0.0	Details Heart

Demo

Item Search - Part 1

Not secure deti-tqs-08.ua.pt/items/search

Find Items

Pedro Oliveira Favorites Reports Logout

Bookings

Messages

Profile

Search Category Max Price Location

What are you looking for? All Categories € City Filter Clear

JBL Go Party Column €25.0

Maximum Power, 100W Response frequency, 50Hz – 20KHz (-6 dB). Connection: Bluetooth 4.2, NFC.

Aveiro ★ 0.0 Details

Party Lights €15.0

Party Lightings, various settings

Ilhavo ★ 0.0 Details

DJ Control €35.0

DJ table

Gafanha da Nazaré ★ 0.0 Details

Disco Ball €15.0

Disco Ball for 80's party

Porto ★ 0.0 Details

Demo

The screenshot shows a web browser window with a title bar reading "My Bookings - Part" and a URL "deti-tqs-08.ua.pt/bookings". The page itself is titled "My Bookings" and subtitle "Manage your item rentals". It features a header with "Back to Search" and "Reports" buttons. Below is a table listing three bookings:

ITEM	DATES	DAILY PRICE	TOTAL PRICE	STATUS	REFERENCE	ACTIONS
Audio Interface	2025-12-04 to 2025-12-09	€1200.00	€6000.00	ACCEPTED		✓ Confirm Return
Big Sun Hat	2025-12-16 to 2025-12-19	€80.00	€240.00	REQUESTED		Cancel
Cinema Kit	2025-12-18 to 2025-12-21	€14.00	€42.00	ACCEPTED		Cancel ✓ Confirm Return

Demo

The screenshot shows a web browser window titled "My Bookings - Part 1" with the URL "deti-tqs-08.ua.pt/bookings". The main content area displays a table of bookings:

ITEM	DATES	REFERENCE	ACTIONS
Audio Interface	2025-12-04 to 2025-12-09	€1200.00	€6000.00 ACCEPTED ✓ Confirm Return
Big Sun Hat	2025-12-16 to 2025-12-19	€80.00	€240.00 REQUESTED Cancel
Cinema Kit	2025-12-18 to 2025-12-21	€14.00	€42.00 ACCEPTED Cancel ✓ Confirm Return

A modal dialog box is overlaid on the screen, centered over the second booking row. The dialog contains the following text:

deti-tqs-08.ua.pt says
Return confirmed! Funds will be released when the owner also confirms.

At the bottom of the dialog is a blue circular button with a white "OK" text and a small cursor icon pointing at it.

Demo

Item Search - Party x +

Not secure deti-tqs-08.ua.pt/items/search

Find Items
Discover amazing items for your party

José Antunes [Dashboard](#) [Reports](#) [Logout](#)

[My BookingRequests](#)

[Messages](#)

[Profile](#)

Search Category Max Price Location

What are you looking for? All Categories € City Filter Clear

Image	Name	Price	Description	Location	Rating	Actions
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	DJ Control €35.0	€35.0	DJ table	Gafanha da Nazaré	★ 0.0	Details Heart
	Disco Ball €15.0	€15.0	Disco Ball for 80's party	Porto	★ 0.0	Details Heart

Demo

Item Search - Part 1

Not secure deti-tqs-08.ua.pt/items/search

Find Items
Discover amazing items for your party

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What are you looking for? All Categories € City Filter Clear

Image	Name	Price	Description	Location	Rating	Actions
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	Party Lights	€15.0	Party Lightings, various settings	Porto	★ 0.0	Details Heart
	DJ Control	€35.0	DJ table	Gafanha da Nazaré	★ 0.0	Details Heart
	Disco Ball	€15.0	Disco Ball for 80's party	Ilhavo	★ 0.0	Details Heart

Epics

Spaces

Party Share ...

Summary Backlog Board Code Timeline Pages Forms Testing Board Reportir

Search timeline AR RS JB GA User Épico Status category

Work	ember	December	Jan
Sprints	M Sprint 0, ...	S...	S...
Releases			
<input type="checkbox"/> > PS-47 Renter Experience			
<input type="checkbox"/> > PS-45 Item Owner Experience			
<input type="checkbox"/> > PS-48 Admin & Platform Management			
+ Create Épico			

Jira And X-Ray

PS-45 / PS-53

Owner Dashboard

Concluído ✓ Concluído ✓

Descrição
As an Owner, I want to see all my upcoming and past rentals so I can manage my activity.

Scenarios
Scenario: Display dashboard
Given the owner has upcoming and past rentals
When they open the dashboard
Then the system must display relevant metrics and booking information

Subtasks
Add subtask

Linked work items +
is tested by

PS-427 testGet... CONCLUÍDO	PS-443 testGet... CONCLUÍDO	PS-435 testGet... CONCLUÍDO	PS-426 testGet... CONCLUÍDO
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Show All (51)

PS-41 CONCLUÍDO Rate Owner / Item OK PASSED

PS-249 CONCLUÍDO createRating_ReturnsCreated PASSED

PS-1008 View Details Fix Version/s: - Finished On: Yesterday 10:47 PM Executed By: Goncalo Almeida Test Environments: - Test Version: v1 PASSED

PS-1007 View Details Fix Version/s: - Finished On: Yesterday 10:41 PM Executed By: Goncalo Almeida Test Environments: - Test Version: v1 PASSED

PS-1006 View Details Fix Version/s: - Finished On: Yesterday 10:13 PM Executed By: Goncalo Almeida Test Environments: - Test Version: v1 PASSED

Show All (51)

PS-245 CONCLUÍDO searchRatings_BySender_ReturnsList PASSED

PS-1008 View Details Fix Version/s: - Finished On: Yesterday 10:47 PM Executed By: Goncalo Almeida Test Environments: - Test Version: v1 PASSED

PS-1007 View Details Fix Version/s: - Finished On: Yesterday 10:41 PM Executed By: Goncalo Almeida Test Environments: - Test Version: v1 PASSED

Traceability Report

Our Tests

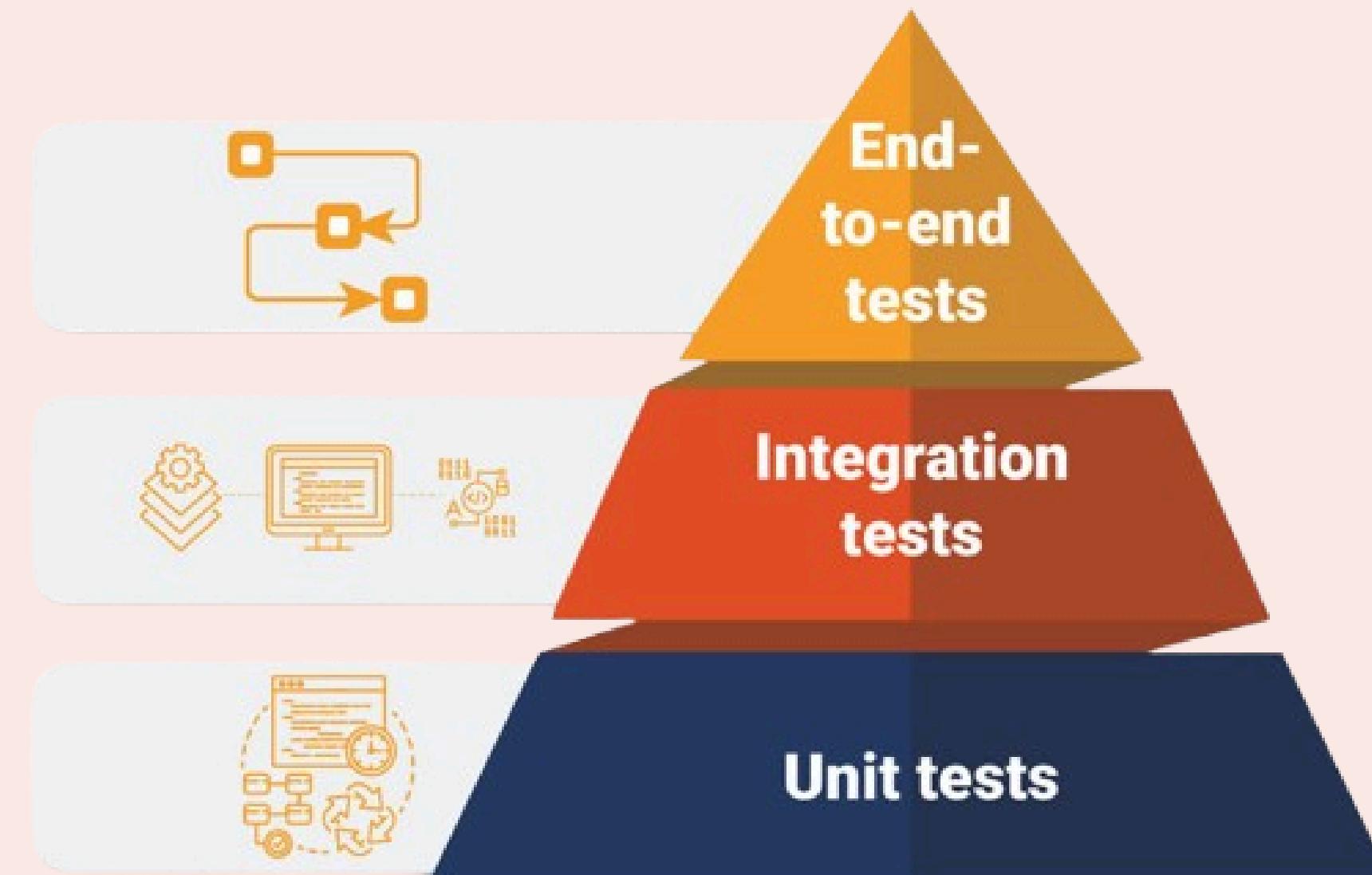
Functional Testing

- Unit Tests
- Integration Tests
- E2E Tests(Cucumber + PlayWright)
- PICT Tests

Non-Functional Testing

- K6 Load Tests
- LightHouse

Functional Tests



K6

 **Test Report: 2025-12-14 03:33**

TOTAL REQUESTS  **1816** **FAILED REQUESTS**  **0** **BREACHED THRESHOLDS**  **0** **FAILED CHECKS**  **0**

[Detailed Metrics](#) [Test Run Details](#) [Checks & Groups](#)

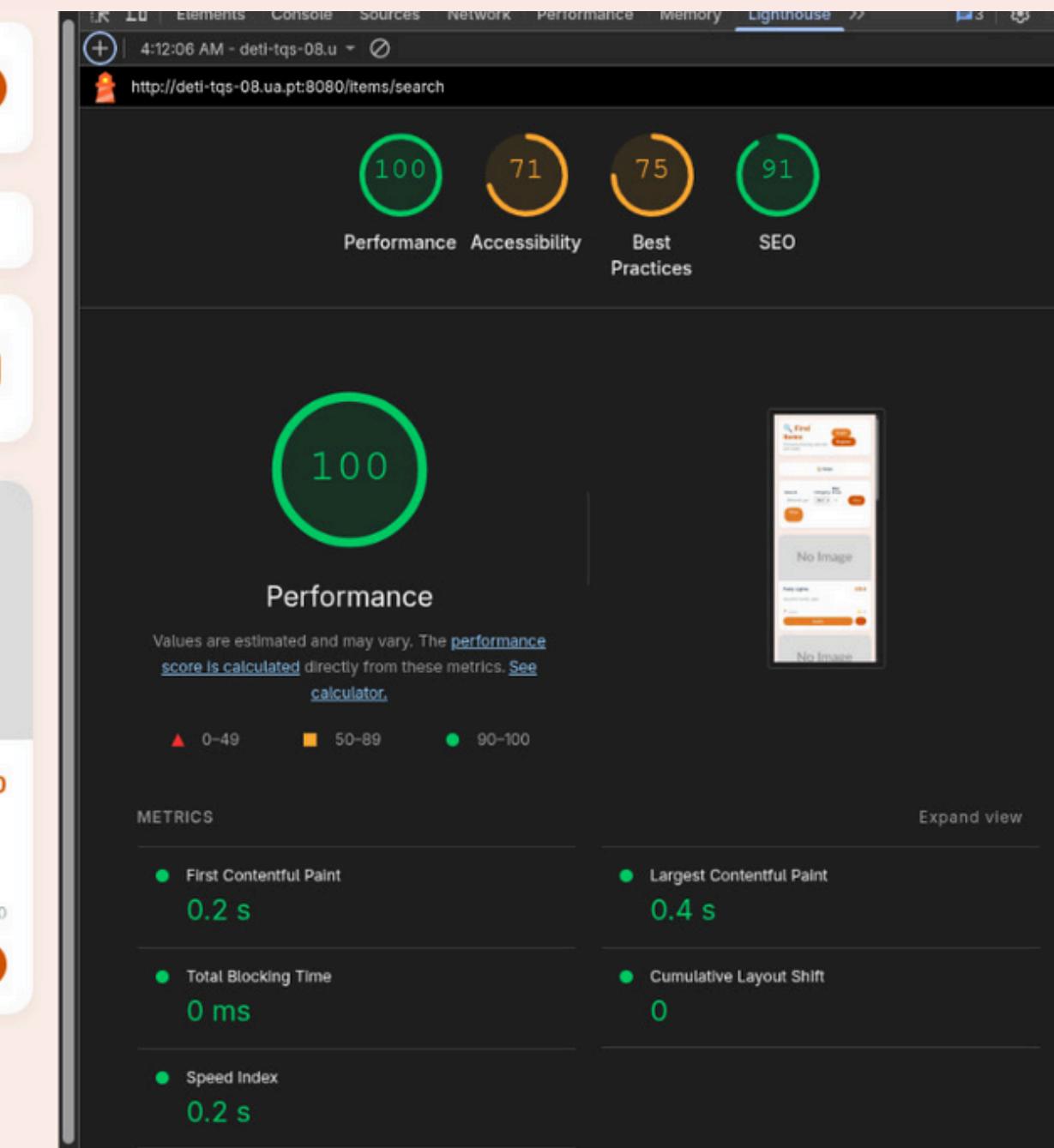
 Trends & Times

	Avg	Min	Med	Max	P(90)	P(95)
http_req_blocked	0.01	0.00	0.01	0.60	0.01	0.01
http_req_connecting	0.00	0.00	0.00	0.37	0.00	0.00
http_req_duration	4.04	1.18	3.76	28.23	5.97	7.14
http_req_receiving	0.12	0.01	0.10	0.55	0.23	0.27
http_req_sending	0.02	0.00	0.02	1.35	0.03	0.04
http_req_tls_handshaking	0.00	0.00	0.00	0.00	0.00	0.00
http_req_waiting	3.89	1.08	3.60	28.06	5.78	6.97
iteration_duration	1004.82	1001.36	1004.55	1029.22	1006.91	1007.97

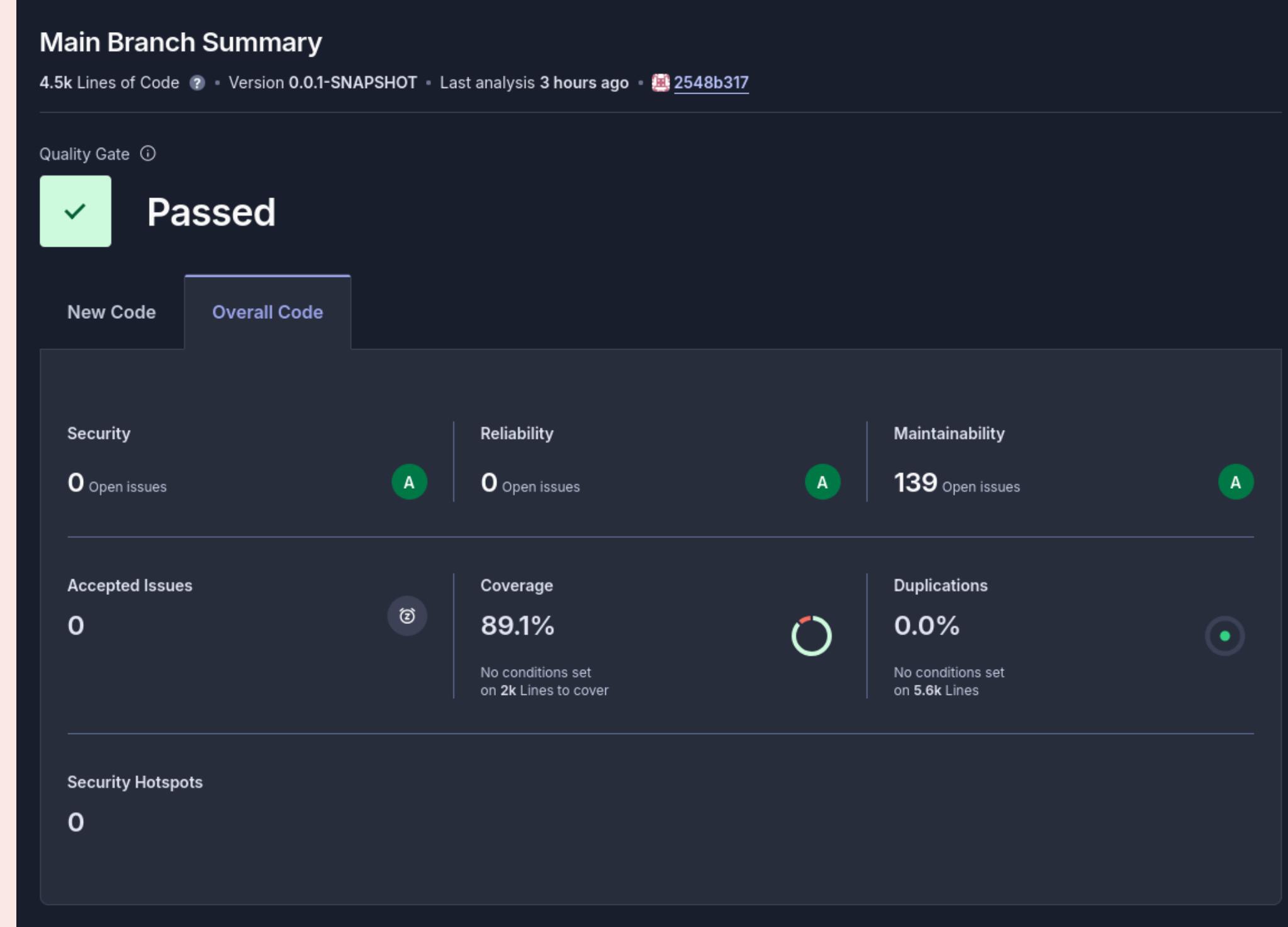
Light House

The screenshot shows a web application interface. At the top left is a search bar with the placeholder "Find Items" and a magnifying glass icon. Below it is a sub-header "Discover amazing items for your party". On the right are "Login" and "Register" buttons. A navigation bar at the top has a "Home" icon. Below the search bar are filters: "Search" (text input "What are you looking for?"), "Category" (dropdown "All Categories"), "Max Price" (input with currency symbol €), "Filter" (button), and "Clear" (button). The main content area displays four items in a grid:

- No Image** (placeholder)
- Party Lights** **€55.0**
Beautiful Colorful Lights
Lisbon (location pin)
0.0 (rating)
Details button
- Party Meal Table** **€150.0**
Foldable dining table
Porto (location pin)
0.0 (rating)
Details button
- Audio Interface** **€1200.0**
High performance laptop
Lisbon (location pin)
0.0 (rating)
Details button
- Big Sun Hat** **€80.0**
Sun Hat for Parties
Lisbon (location pin)
0.0 (rating)
Details button



Sonar Cloud

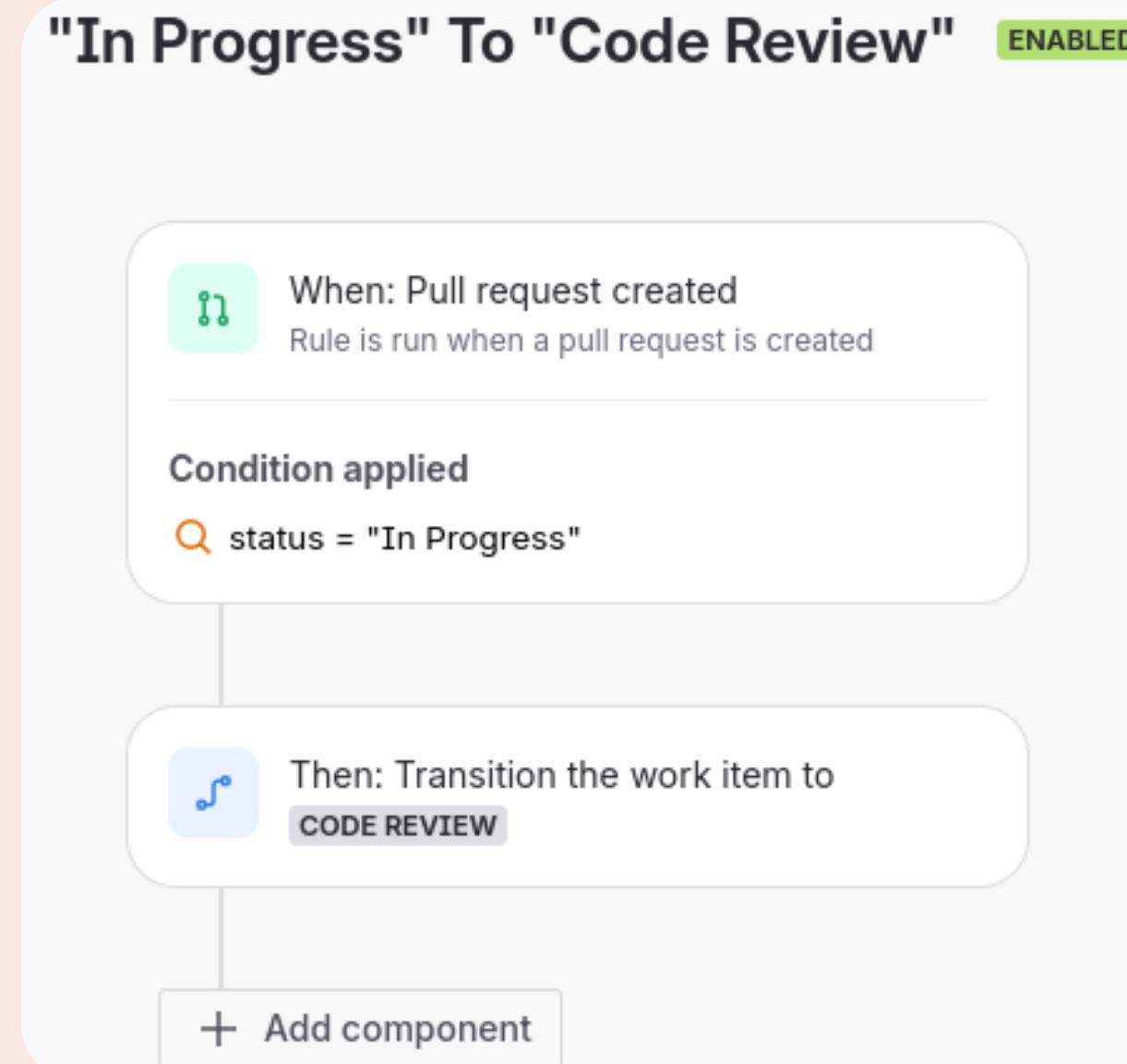
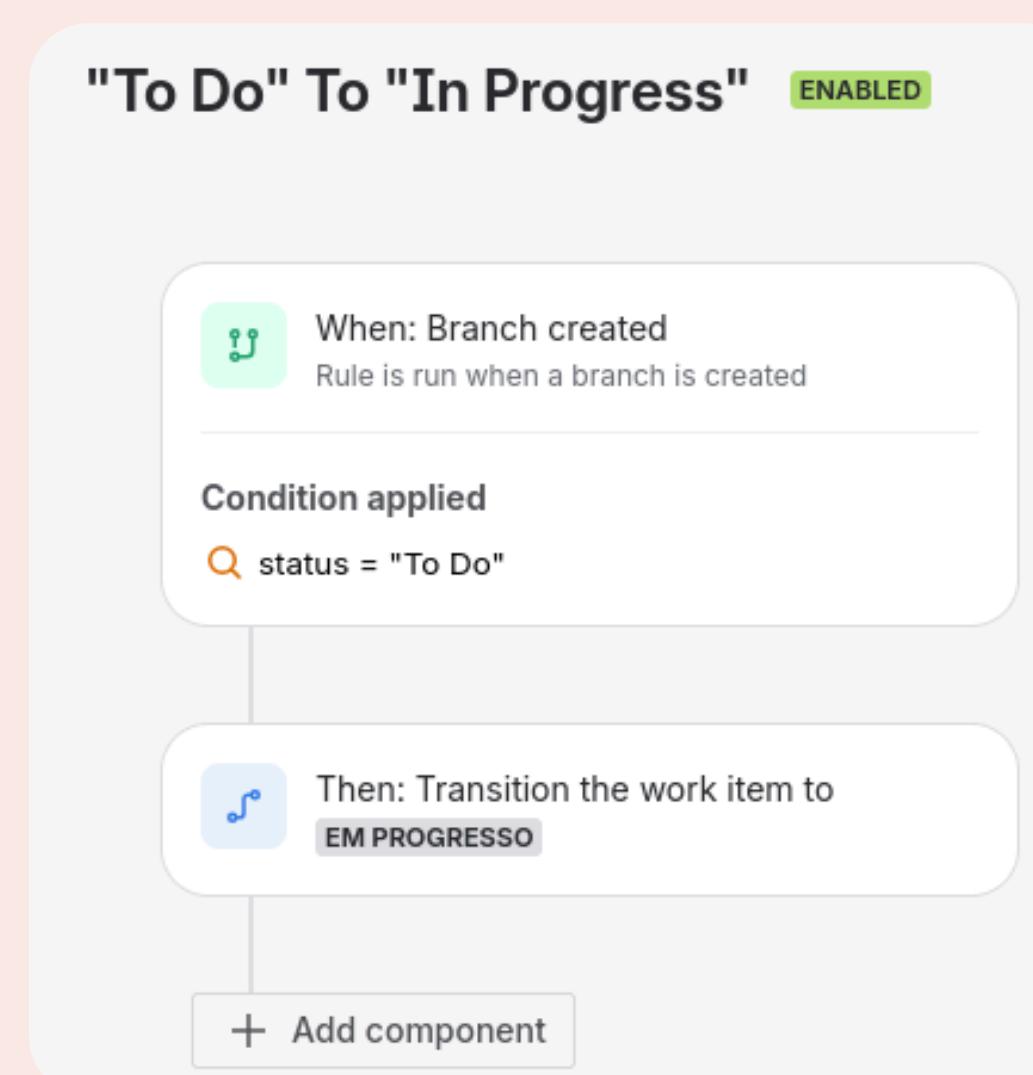


SonarCloud Dashboard

Definition Of Done

- All acceptance criteria is met ✓
- Unit tests are written and passing ✓
- Code coverage meets the 80% threshold ✓
- SonarCloud quality gate has passed ✓
- Code is implemented and reviewed ✓
- Code is merged to the develop branch ✓
- X-Ray tests linked and passed ✓
- JIRA issue is moved to “Done” status ✓

Jira And GitHub



Concluído ✓ Concluído

⌘ Improve História

Details

Responsável JB Joao Barreira
[Assign to me](#)

Prioridade M Medium

Principal PS-45 Item Owner Experience

Data limite None

Etiquetas None

Team None

Start date None

Sprint SCRUM Sprint 6-Final

Story point estimate None

Versões de correção None

Open with VS Code

1 branch

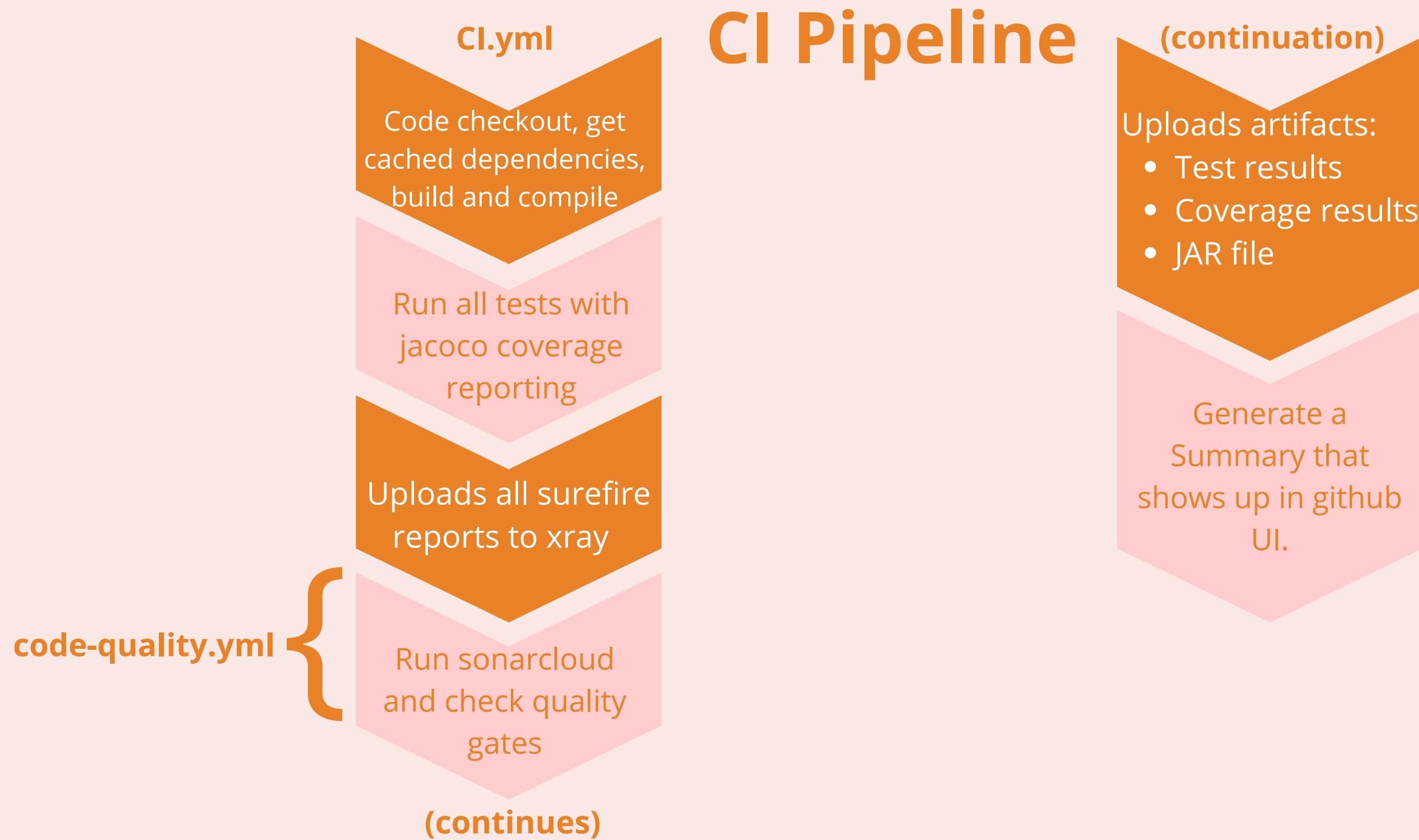
Development 2 commits 18 horas ago

Create pull request

2 builds ✓

Responsável	JB Joao Barreira
Prioridade	M Medium
Principal	PS-45 Item Owner Experience
Data limite	None
Etiquetas	None
Team	None
Start date	None
Sprint	SCRUM Sprint 6-Final
Story point estimate	None
Versões de correção	None
Development	2 commits 18 horas ago
Create pull request	
2 builds ✓	

DevOps



Links:

[CI.yml](#)
[code-quality.yml](#)

DevOps

Branch Protection & CI Pipeline Enforcement

Protect matching branches

Require a pull request before merging
When enabled, all commits must be made to a non-protected branch and submitted via a pull request before they can be merged into a branch that matches this rule.

Require approvals
When enabled, pull requests targeting a matching branch require a number of approvals and no changes requested before they can be merged.
Required number of approvals before merging: 1 ▾

Dismiss stale pull request approvals when new commits are pushed
New reviewable commits pushed to a matching branch will dismiss pull request review approvals.

Require review from Code Owners
Require an approved review in pull requests including files with a designated code owner.

Require approval of the most recent reviewable push
Whether the most recent reviewable push must be approved by someone other than the person who pushed it.

Links:

[Branch protection rules](#)

Branch protection rules

Add rule

main	Currently applies to 1 branch	Edit	Delete
develop	Currently applies to 1 branch	Edit	Delete

Require status checks to pass before merging
Choose which [status checks](#) must pass before branches can be merged into a branch that matches this rule. When enabled, commits must first be pushed to another branch, then merged or pushed directly to a branch that matches this rule after status checks have passed.

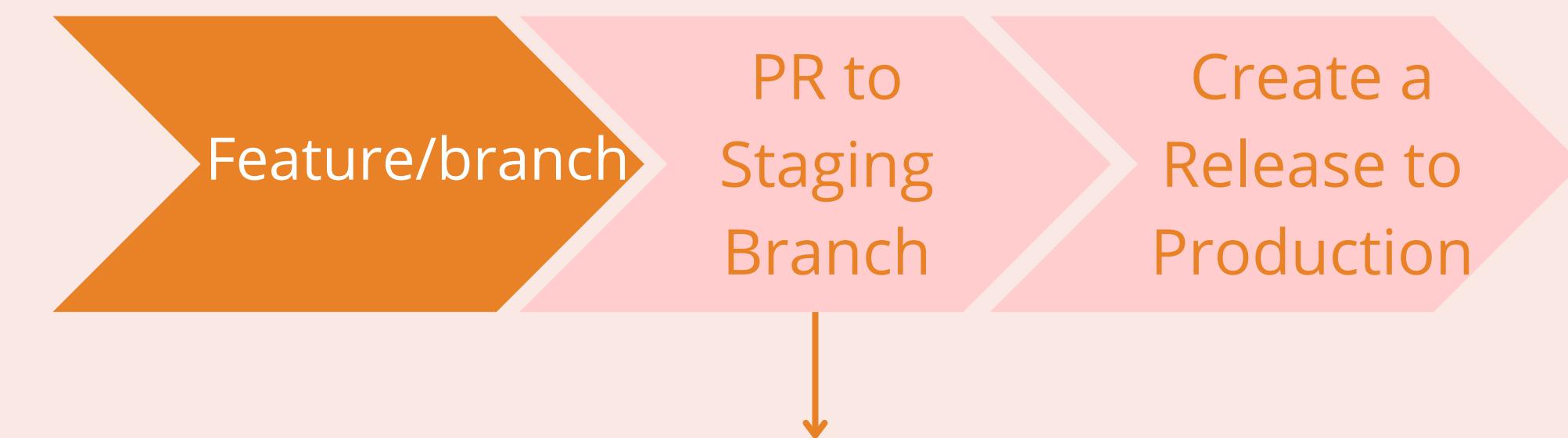
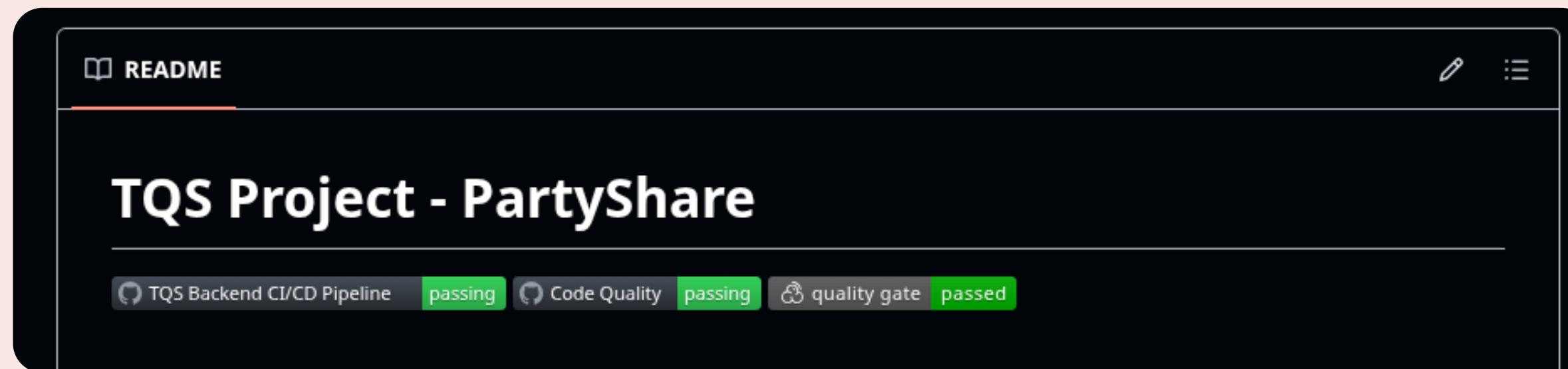
Require branches to be up to date before merging
This ensures pull requests targeting a matching branch have been tested with the latest code. This setting will not take effect unless at least one status check is enabled (see below).

Search for status checks in the last week for this repository

Status checks that are required	
build-and-test	 GitHub Actions ▾ X
SonarCloud Code Analysis	 SonarQubeCloud ▾ X
SonarCloud Analysis	 GitHub Actions ▾ X

DevOps

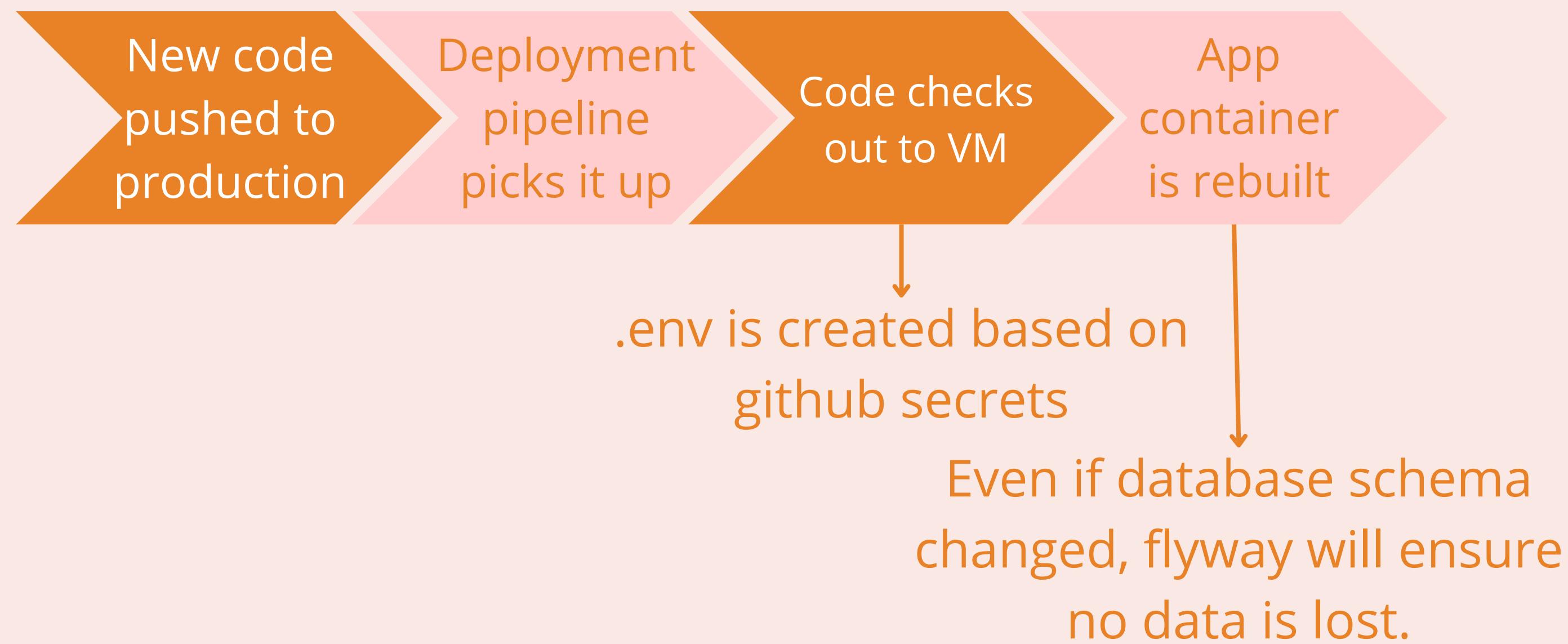
Automatic Feedback & Environments



Code must pass all tests in CI
and Quality Gates

DevOps

Automatic Deployment



Links:
[deploy.yml](#)

DevOps

Observability



Feed

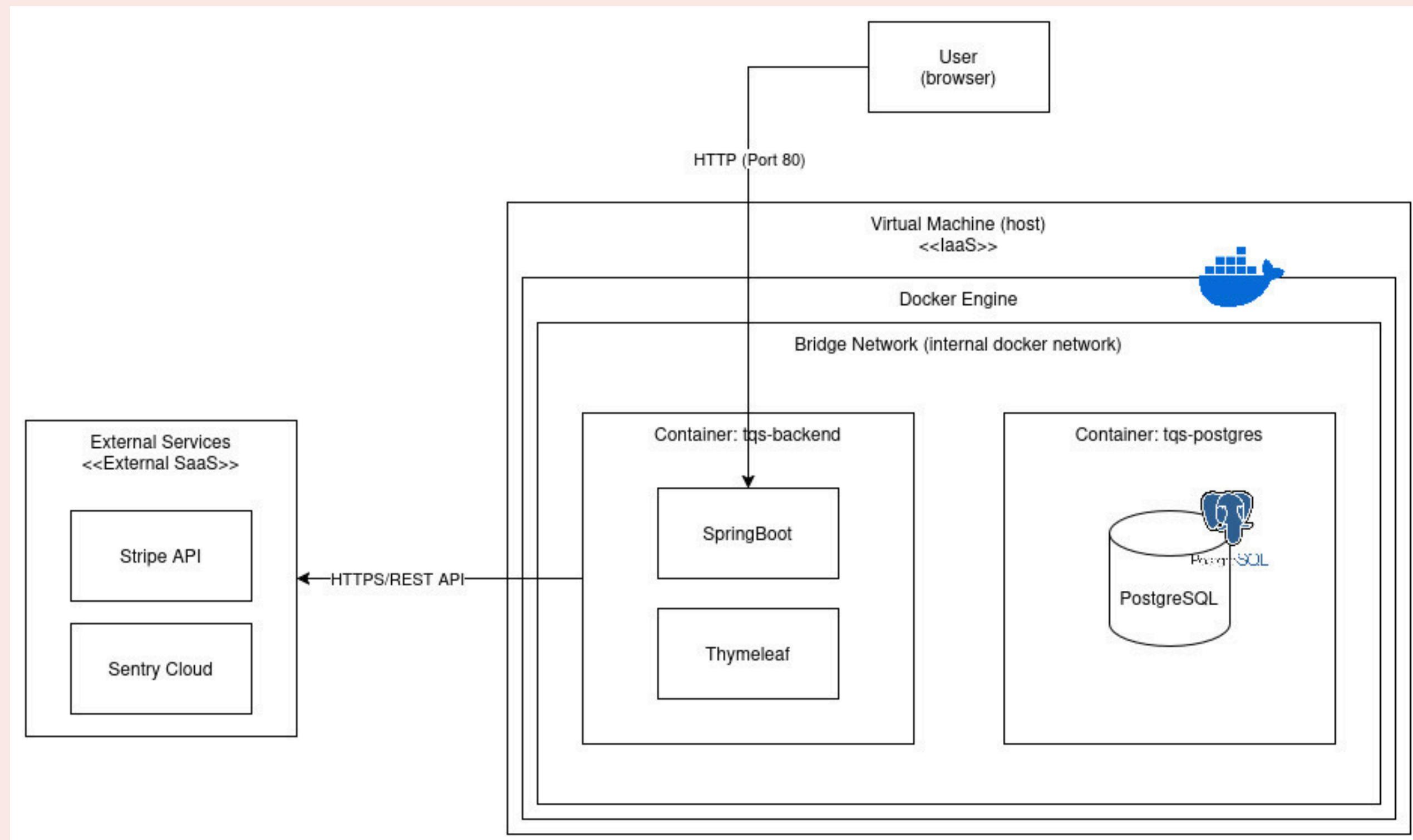
All Projects ▾ All Envs ▾ 14D ▾ is unresolved × ▶ Last Seen ▾ Save As

Issue	Last Seen	Age	Trend	24h	14d	Events	Users	Priority	Assignee
ERROR: value too long for type character varying(255) POST /items @ JAVA-SPRING-BOOT-4 org.hibernate.engine.jdbc.spi.SqlExceptionHelper	35min ago	35min	New	1	1	1	1	█	█
● PSQLException ERROR: value too long for type character varying(255) @ JAVA-SPRING-BOOT-3 tqs.backend.tqsbackend.service.ItemService in saveItem *core.ContainerBase.[Tomcat].[localhost].[/].[dispatcherS...	35min ago	35min	New	1	1	1	1	█	█
● DataIntegrityViolationException could not execute statement [ERROR: value too long for type character varying(255)] [insert into items (average_rating,c... @ JAVA-SPRING-BOOT-2 Unhandled POST /items	35min ago	35min	New	1	1	1	1	█	█
RuntimeException Sentry test error - please ignore! @ JAVA-SPRING-BOOT-1 Unhandled GET /sentry-test	22hr ago	22hr	New	5	5	5	1	█	█

1-4 of 4 < >

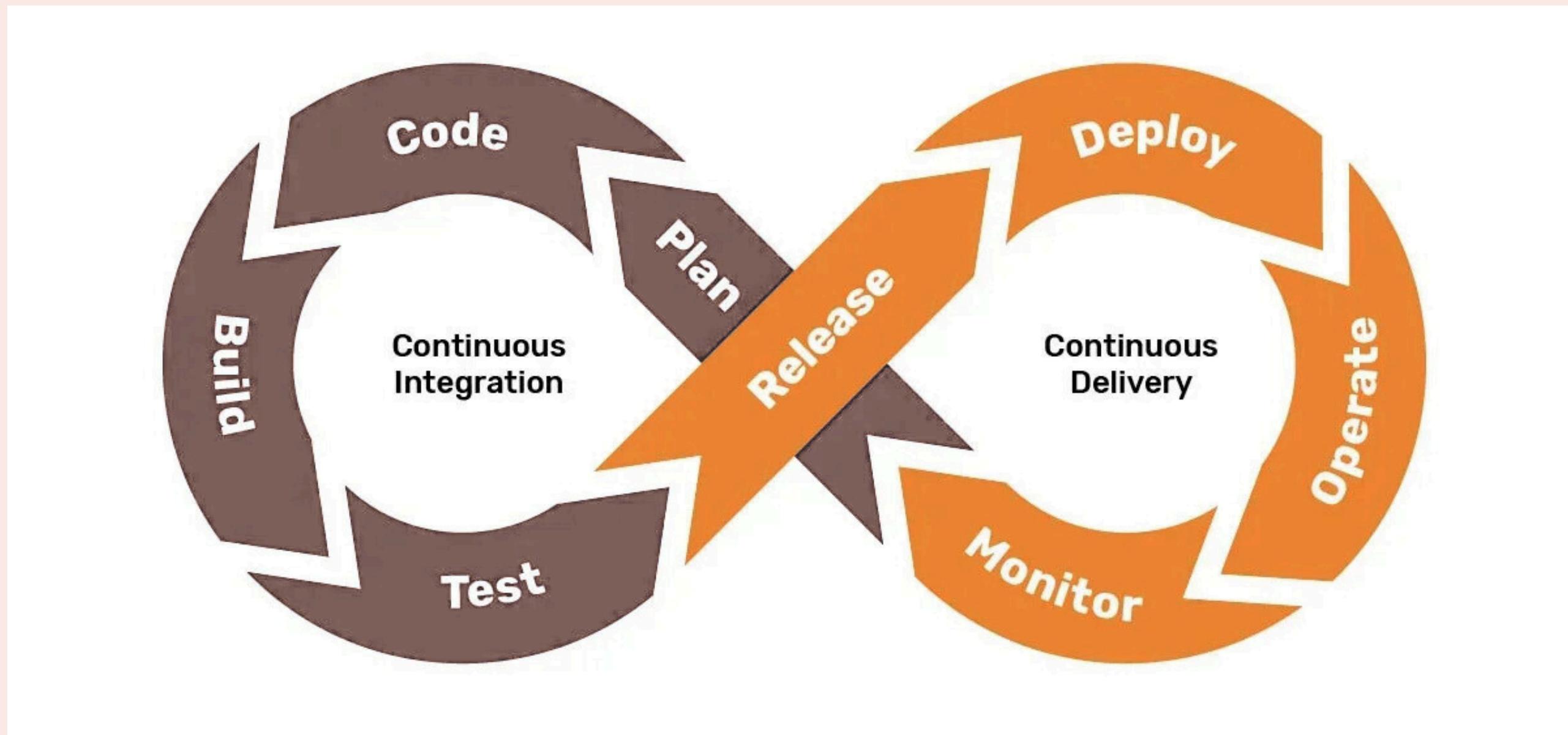
DevOps

Deployment

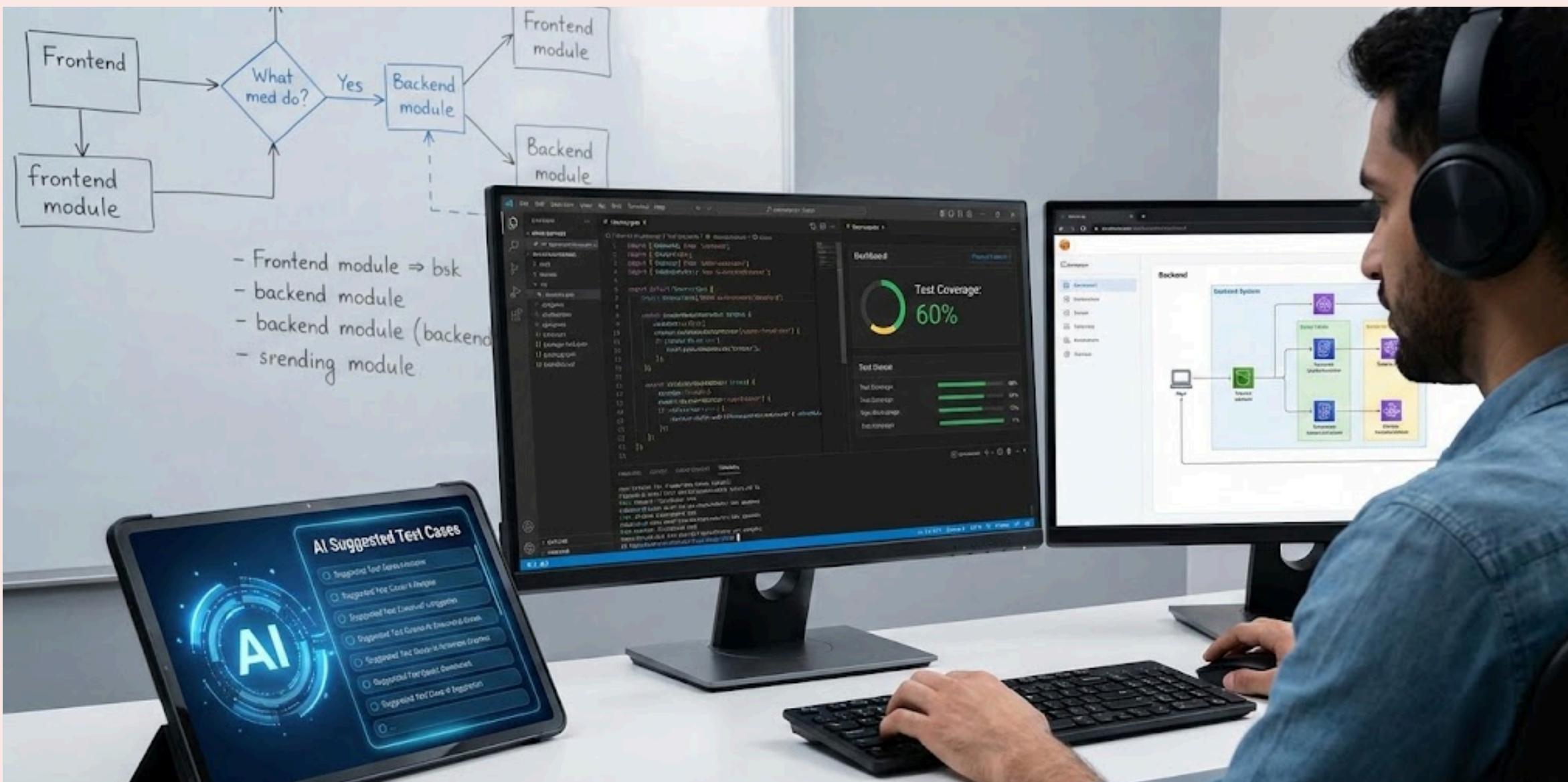


DevOps

CI/CD Overview



AI-Enhanced Development



PMI

PLUS	MINUS	INTERESTING
CI/CD in a branch-based workflow improved development structure	Initial adaptation to branching strategies was challenging	Guest speaker seminar on AI in software development and QA
Test-Driven Development (TDD) increased code quality and confidence	CI/CD pipeline setup required a learning curve	SonarCloud to ensure code quality

Thank You!



João Barreira
Team Coordinator



Margarida Ribeiro
QA Engineer



Gonçalo Almeida
DevOps



Rodrigo Santos
Product Owner