

# Reporte SonarQube

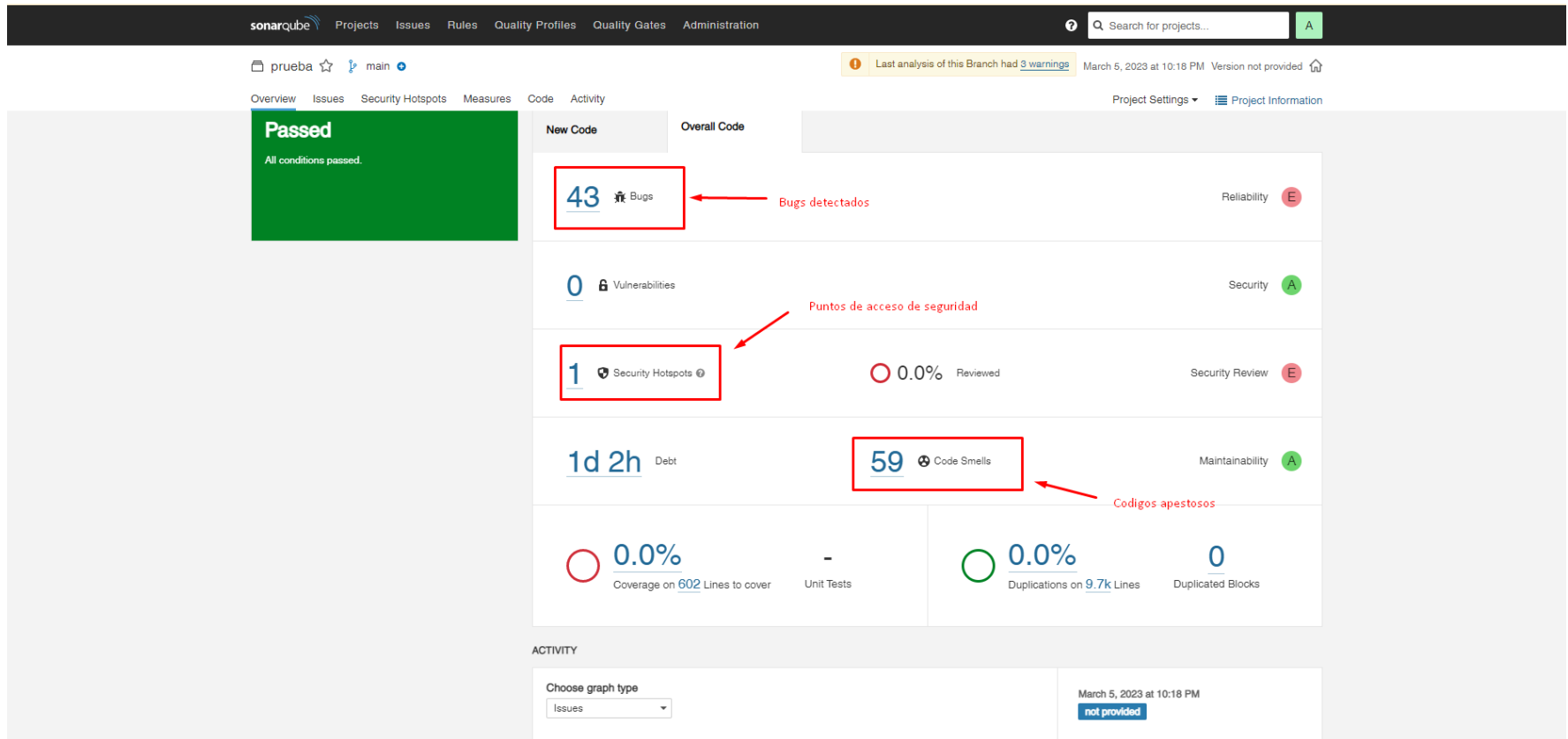
**URL repositorio:** <https://github.com/spring-projects/spring-petclinic>

Jesús Miguel Molina Mendoza



Sofka U  
Training League QA  
2023

Después de realizar un análisis estático utilizando las herramientas SonarQube Y SonarScanner, se obtienen los siguientes resultados.



Search for files...

to select files to navigate

	Lines of Code	Bugs	Vulnerabilities	Code Smells	Security Hotspots	Coverage	Duplications
prueba							
└ .mvn/wrapper	76	2	0	14	1	0.0%	0.0%
└ src	9,322	41	0	45	0	0.0%	0.0%
└ pom.xml	349	0	0	0	0	—	0.0%

<input type="checkbox"/>	Move this file to a named package.	14 minutes ago ▾ 🔗 ⚙ ▾
	Code Smell ▾  Minor ▾  Open ▾ Not assigned ▾ 10min effort <a href="#">Comment</a>	convention ▾
<input type="checkbox"/>	Move the array designators [] to the type.	14 minutes ago ▾ L48 🔗 ⚙ ▾
	Code Smell ▾  Minor ▾  Open ▾ Not assigned ▾ 5min effort <a href="#">Comment</a>	convention ▾
<input type="checkbox"/>	Replace this use of System.out or System.err by a logger.	14 minutes ago ▾ L49 🔗 ⚙ ▾
	Code Smell ▾  Major ▾  Open ▾ Not assigned ▾ 10min effort <a href="#">Comment</a>	bad-practice, cert, owasp-a3 ▾
<input type="checkbox"/>	Replace this use of System.out or System.err by a logger.	14 minutes ago ▾ L51 🔗 ⚙ ▾
	Code Smell ▾  Major ▾  Open ▾ Not assigned ▾ 10min effort <a href="#">Comment</a>	bad-practice, cert, owasp-a3 ▾
<input type="checkbox"/>	Change this "try" to a try-with-resources. (sonar.java.source not set. Assuming 7 or greater.)	14 minutes ago ▾ L59 🔗 ⚙ ▾
	Code Smell ▾  Critical ▾  Open ▾ Not assigned ▾ 15min effort <a href="#">Comment</a>	cert, java8, pitfall ▾
<input type="checkbox"/>	Replace this use of System.out or System.err by a logger.	14 minutes ago ▾ L65 🔗 ⚙ ▾
	Code Smell ▾  Major ▾  Open ▾ Not assigned ▾ 10min effort <a href="#">Comment</a>	bad-practice, cert, owasp-a3 ▾
<input type="checkbox"/>	Replace this use of System.out or System.err by a logger.	14 minutes ago ▾ L76 🔗 ⚙ ▾
	Code Smell ▾  Major ▾  Open ▾ Not assigned ▾ 10min effort <a href="#">Comment</a>	bad-practice, cert, owasp-a3 ▾
<input type="checkbox"/>	Merge this if statement with the enclosing one.	14 minutes ago ▾ L80 🔗 ⚙ ▾
	Code Smell ▾  Major ▾  Open ▾ Not assigned ▾ 5min effort <a href="#">Comment</a>	clumsy ▾
<input type="checkbox"/>	Replace this use of System.out or System.err by a logger.	14 minutes ago ▾ L81 🔗 ⚙ ▾
	Code Smell ▾  Major ▾  Open ▾ Not assigned ▾ 10min effort <a href="#">Comment</a>	bad-practice, cert, owasp-a3 ▾
<input type="checkbox"/>	Replace this use of System.out or System.err by a logger.	14 minutes ago ▾ L85 🔗 ⚙ ▾
	Code Smell ▾  Major ▾  Open ▾ Not assigned ▾ 10min effort <a href="#">Comment</a>	bad-practice, cert, owasp-a3 ▾

<input type="checkbox"/>	Replace this use of System.out or System.err by a logger. ☹️ Code Smell ▼ ⬆️ Major ▼ 🔵 Open ▼ Not assigned ▼ 10min effort <a href="#">Comment</a>	15 minutes ago ▼ L88 🔗 ⚙️ ▼ 🔍 bad-practice, cert, owasp-a3 ▼
<input type="checkbox"/>	Catch Exception instead of Throwable. ☹️ Code Smell ▼ ⬆️ Major ▼ 🔵 Open ▼ Not assigned ▼ 20min effort <a href="#">Comment</a>	15 minutes ago ▼ L90 🔗 ⚙️ ▼ 🔍 bad-practice, cert, cwe, error-handling ▼
<input type="checkbox"/>	Replace this use of System.out or System.err by a logger. ☹️ Code Smell ▼ ⬆️ Major ▼ 🔵 Open ▼ Not assigned ▼ 10min effort <a href="#">Comment</a>	15 minutes ago ▼ L91 🔗 ⚙️ ▼ 🔍 bad-practice, cert, owasp-a3 ▼
<input type="checkbox"/>	Define and throw a dedicated exception instead of using a generic one. ☹️ Code Smell ▼ ⬆️ Major ▼ 🔵 Open ▼ Not assigned ▼ 20min effort <a href="#">Comment</a>	15 minutes ago ▼ L97 🔗 ⚙️ ▼ 🔍 cert, cwe, error-handling ▼
<input type="checkbox"/>	Use try-with-resources or close this "ReadableByteChannel" in a "finally" clause. 🐛 Bug ▼ ⚠️ Blocker ▼ 🔵 Open ▼ Not assigned ▼ 5min effort <a href="#">Comment</a>	15 minutes ago ▼ L110 🔗 ⚙️ ▼ 🔍 cert, cwe, denial-of-service, leak ▼
<input type="checkbox"/>	Use try-with-resources or close this "FileOutputStream" in a "finally" clause. 🐛 Bug ▼ ⚠️ Blocker ▼ 🔵 Open ▼ Not assigned ▼ 5min effort <a href="#">Comment</a>	15 minutes ago ▼ L111 🔗 ⚙️ ▼ 🔍 cert, cwe, denial-of-service, leak ▼

☐

**Define and throw a dedicated exception instead of using a generic one.**

15 minutes ago ▾ L33 🔗 ⚙ ▾

Code Smell ▾ Major ▾ Open ▾ Not assigned ▾ 20min effort [Comment](#)

cert, cwe, error-handling ▾

src/.../samples/petclinic/vet/Vets.java

☐

**Rename field "vets"**

15 minutes ago ▾ L33 🔗 ⚙ ▾

Code Smell ▾ Major ▾ Open ▾ Not assigned ▾ 10min effort [Comment](#)

brain-overload ▾

src/main/resources/templates/error.html

☐

**Add "lang" and/or "xml:lang" attributes to this "<html>" element**

15 minutes ago ▾ L3 🔗 ⚙ ▾

Bug ▾ Major ▾ Open ▾ Not assigned ▾ 2min effort [Comment](#)

accessibility, wcag2-a ▾

☐

**Add a <title> tag to this page.**

15 minutes ago ▾ L3 🔗 ⚙ ▾

Bug ▾ Major ▾ Open ▾ Not assigned ▾ 5min effort [Comment](#)

user-experience ▾

☐

**Add an "alt" attribute to this image.**

15 minutes ago ▾ L6 🔗 ⚙ ▾

Bug ▾ Minor ▾ Open ▾ Not assigned ▾ 5min effort [Comment](#)

accessibility, wcag2-a ▾

src/.../resources/templates/fragments/inputField.html

☐

**Insert a <!DOCTYPE> declaration to before this <html> tag.**

15 minutes ago ▾ L1 🔗 ⚙ ▾

Bug ▾ Major ▾ Open ▾ Not assigned ▾ 5min effort [Comment](#)

user-experience ▾

☐

**Add "lang" and/or "xml:lang" attributes to this "<html>" element**

15 minutes ago ▾ L1 🔗 ⚙ ▾

Bug ▾ Major ▾ Open ▾ Not assigned ▾ 2min effort [Comment](#)

accessibility, wcag2-a ▾

☐

**Add a <title> tag to this page.**

15 minutes ago ▾ L1 🔗 ⚙ ▾

Bug ▾ Major ▾ Open ▾ Not assigned ▾ 5min effort [Comment](#)

user-experience ▾

src/.../resources/templates/fragments/layout.html

- ☐ Add "lang" and/or "xml:lang" attributes to this "<html>" element 15 minutes ago ▾ L2 🔗 ⚙️ ▾  
🐞 Bug ▾ 🚨 Major ▾ 🔵 Open ▾ Not assigned ▾ 2min effort Comment  
🔗 accessibility, wcag2-a ▾

src/.../resources/templates/fragments/selectField.html

- ☐ Insert a <!DOCTYPE> declaration to before this <html> tag. 15 minutes ago ▾ L1 🔗 ⚙️ ▾  
🐞 Bug ▾ 🚨 Major ▾ 🔵 Open ▾ Not assigned ▾ 5min effort Comment  
🔗 user-experience ▾

- ☐ Add "lang" and/or "xml:lang" attributes to this "<html>" element 15 minutes ago ▾ L1 🔗 ⚙️ ▾  
🐞 Bug ▾ 🚨 Major ▾ 🔵 Open ▾ Not assigned ▾ 2min effort Comment  
🔗 accessibility, wcag2-a ▾

- ☐ Add a <title> tag to this page. 15 minutes ago ▾ L1 🔗 ⚙️ ▾  
🐞 Bug ▾ 🚨 Major ▾ 🔵 Open ▾ Not assigned ▾ 5min effort Comment  
🔗 user-experience ▾

src/.../resources/templates/owners/createOrUpdateOwnerForm.html

- ☐ Insert a <!DOCTYPE> declaration to before this <html> tag. 15 minutes ago ▾ L2 🔗 ⚙️ ▾  
🐞 Bug ▾ 🚨 Major ▾ 🔵 Open ▾ Not assigned ▾ 5min effort Comment  
🔗 user-experience ▾

- ☐ Add "lang" and/or "xml:lang" attributes to this "<html>" element 15 minutes ago ▾ L2 🔗 ⚙️ ▾  
🐞 Bug ▾ 🚨 Major ▾ 🔵 Open ▾ Not assigned ▾ 2min effort Comment  
🔗 accessibility, wcag2-a ▾

- ☐ Add a <title> tag to this page. 15 minutes ago ▾ L1 🔗 ⚙️ ▾  
🐞 Bug ▾ 🚨 Major ▾ 🔵 Open ▾ Not assigned ▾ 5min effort Comment  
🔗 user-experience ▾

src/.../resources/templates/owners/findOwners.html

<input type="checkbox"/>	<b>Insert a &lt;!DOCTYPE&gt; declaration to before this &lt;html&gt; tag.</b>	16 minutes ago ▾ L2 🔗 ⚙️ ▾
	Bug ▾  Major ▾  Open ▾ Not assigned ▾ 5min effort <a href="#">Comment</a>	user-experience ▾
<input type="checkbox"/>	<b>Add "lang" and/or "xml:lang" attributes to this "&lt;html&gt;" element</b>	16 minutes ago ▾ L2 🔗 ⚙️ ▾
	Bug ▾  Major ▾  Open ▾ Not assigned ▾ 2min effort <a href="#">Comment</a>	accessibility, wcag2-a ▾
<input type="checkbox"/>	<b>Add a &lt;title&gt; tag to this page.</b>	16 minutes ago ▾ L1 🔗 ⚙️ ▾
	Bug ▾  Major ▾  Open ▾ Not assigned ▾ 5min effort <a href="#">Comment</a>	user-experience ▾

src/.../resources/templates/owners/ownerDetails.html

<input type="checkbox"/>	<b>Add "lang" and/or "xml:lang" attributes to this "&lt;html&gt;" element</b>	16 minutes ago ▾ L4 🔗 ⚙️ ▾
	Bug ▾  Major ▾  Open ▾ Not assigned ▾ 2min effort <a href="#">Comment</a>	accessibility, wcag2-a ▾
<input type="checkbox"/>	<b>Add a &lt;title&gt; tag to this page.</b>	16 minutes ago ▾ L3 🔗 ⚙️ ▾
	Bug ▾  Major ▾  Open ▾ Not assigned ▾ 5min effort <a href="#">Comment</a>	user-experience ▾
<input type="checkbox"/>	<b>Add a description to this table.</b>	16 minutes ago ▾ L12 🔗 ⚙️ ▾
	Bug ▾  Minor ▾  Open ▾ Not assigned ▾ 5min effort <a href="#">Comment</a>	accessibility, wcag2-a ▾
<input type="checkbox"/>	<b>Add "&lt;th&gt;" headers to this "&lt;table&gt;".</b>	16 minutes ago ▾ L41 🔗 ⚙️ ▾
	Bug ▾  Major ▾  Open ▾ Not assigned ▾ 2min effort <a href="#">Comment</a>	accessibility, wcag2-a ▾
<input type="checkbox"/>	<b>Add a description to this table.</b>	16 minutes ago ▾ L41 🔗 ⚙️ ▾
	Bug ▾  Minor ▾  Open ▾ Not assigned ▾ 5min effort <a href="#">Comment</a>	accessibility, wcag2-a ▾
<input type="checkbox"/>	<b>Remove this deprecated "valign" attribute.</b>	16 minutes ago ▾ L44 🔗 ⚙️ ▾
	Code Smell ▾  Major ▾  Open ▾ Not assigned ▾ 5min effort <a href="#">Comment</a>	html5, obsolete ▾



☐

Remove this deprecated "valign" attribute.

Code Smell

Major

Open

Not assigned

5min effort

Comment

17 minutes ago

L55

html5, obsolete

☐

Add a description to this table.

Bug

Minor

Open

Not assigned

5min effort

Comment

17 minutes ago

L56

accessibility, wcag2-a

src/.../resources/templates/owners/ownersList.html

☐

Add "lang" and/or "xml:lang" attributes to this "<html>" element

Bug

Major

Open

Not assigned

2min effort

Comment

17 minutes ago

L3

accessibility, wcag2-a

☐

Add a <title> tag to this page.

Bug

Major

Open

Not assigned

5min effort

Comment

17 minutes ago

L3

user-experience

☐

Add a description to this table.

Bug

Minor

Open

Not assigned

5min effort

Comment

17 minutes ago

L9

accessibility, wcag2-a

src/main/resources/templates/pets/createOrUpdatePetForm.html

☐

Insert a <!DOCTYPE> declaration to before this <html> tag.

Bug

Major

Open

Not assigned

5min effort

Comment

17 minutes ago

L2

user-experience

☐

Add "lang" and/or "xml:lang" attributes to this "<html>" element

Bug

Major

Open

Not assigned

2min effort

Comment

17 minutes ago

L2

accessibility, wcag2-a

☐

Add a <title> tag to this page.

Bug

Major

Open

Not assigned

5min effort

Comment

17 minutes ago

L1

user-experience

<input type="checkbox"/>	Insert a <code>&lt;!DOCTYPE&gt;</code> declaration to before this <code>&lt;html&gt;</code> tag. Bug ▾  Major ▾  Open ▾ Not assigned ▾ 5min effort <a href="#">Comment</a>	17 minutes ago ▾ L2   ▾ user-experience ▾
<input type="checkbox"/>	Add "lang" and/or "xml:lang" attributes to this " <code>&lt;html&gt;</code> " element Bug ▾  Major ▾  Open ▾ Not assigned ▾ 2min effort <a href="#">Comment</a>	17 minutes ago ▾ L2   ▾ accessibility, wcag2-a ▾
<input type="checkbox"/>	Add a <code>&lt;title&gt;</code> tag to this page. Bug ▾  Major ▾  Open ▾ Not assigned ▾ 5min effort <a href="#">Comment</a>	17 minutes ago ▾ L1   ▾ user-experience ▾
<input type="checkbox"/>	Add a description to this table. Bug ▾  Minor ▾  Open ▾ Not assigned ▾ 5min effort <a href="#">Comment</a>	17 minutes ago ▾ L12   ▾ accessibility, wcag2-a ▾
<input type="checkbox"/>	Add a description to this table. Bug ▾  Minor ▾  Open ▾ Not assigned ▾ 5min effort <a href="#">Comment</a>	17 minutes ago ▾ L49   ▾ accessibility, wcag2-a ▾
<code>src/main/resources/templates/vets/vetList.html</code>		
<input type="checkbox"/>	Add "lang" and/or "xml:lang" attributes to this " <code>&lt;html&gt;</code> " element Bug ▾  Major ▾  Open ▾ Not assigned ▾ 2min effort <a href="#">Comment</a>	17 minutes ago ▾ L4   ▾ accessibility, wcag2-a ▾
<input type="checkbox"/>	Add a <code>&lt;title&gt;</code> tag to this page. Bug ▾  Major ▾  Open ▾ Not assigned ▾ 5min effort <a href="#">Comment</a>	17 minutes ago ▾ L3   ▾ user-experience ▾
<input type="checkbox"/>	Add a description to this table. Bug ▾  Minor ▾  Open ▾ Not assigned ▾ 5min effort <a href="#">Comment</a>	17 minutes ago ▾ L10   ▾ accessibility, wcag2-a ▾

☐ Add "lang" and/or "xml:lang" attributes to this "<html>" element 17 minutes ago ▾ L3 🔗 ⚙️  
🛠️ Bug ▾ 🚨 Major ▾ 🔵 Open ▾ Not assigned ▾ 2min effort Comment  
🔗 accessibility, wcag2-a ▾

☐ Add a <title> tag to this page. 17 minutes ago ▾ L3 🔗 ⚙️  
🛠️ Bug ▾ 🚨 Major ▾ 🔵 Open ▾ Not assigned ▾ 5min effort Comment  
🔗 user-experience ▾

☐ Add an "alt" attribute to this image. 17 minutes ago ▾ L10 🔗 ⚙️  
🛠️ Bug ▾ 🟢 Minor ▾ 🔵 Open ▾ Not assigned ▾ 5min effort Comment  
🔗 accessibility, wcag2-a ▾

 src/.../samples/petclinic/PetClinicIntegrationTests.java

☐ Define and throw a dedicated exception instead of using a generic one. 17 minutes ago ▾ L46 🔗 ⚙️  
🛠️ Code Smell ▾ 🚨 Major ▾ 🔵 Open ▾ Not assigned ▾ 20min effort Comment  
🔗 cert, cwe, error-handling ▾

 src/.../samples/petclinic/owner/OwnerControllerTests.java

☐ Define a constant instead of duplicating this literal "George" 3 times. 17 minutes ago ▾ L69 🔗 ⚙️  
🛠️ Code Smell ▾ 🚨 Critical ▾ 🔵 Open ▾ Not assigned ▾ 8min effort Comment  
🔗 design ▾

☐ Define a constant instead of duplicating this literal "Franklin" 6 times. 17 minutes ago ▾ L70 🔗 ⚙️  
🛠️ Code Smell ▾ 🚨 Critical ▾ 🔵 Open ▾ Not assigned ▾ 14min effort Comment  
🔗 design ▾

☐ Define a constant instead of duplicating this literal "110 W. Liberty St." 3 times. 17 minutes ago ▾ L71 🔗 ⚙️  
🛠️ Code Smell ▾ 🚨 Critical ▾ 🔵 Open ▾ Not assigned ▾ 8min effort Comment  
🔗 design ▾

☐ Define a constant instead of duplicating this literal "Madison" 3 times. 17 minutes ago ▾ L72 🔗 ⚙️  
🛠️ Code Smell ▾ 🚨 Critical ▾ 🔵 Open ▾ Not assigned ▾ 8min effort Comment  
🔗 design ▾

☐ Define a constant instead of duplicating this literal "6085551023" 3 times. 17 minutes ago ▾ L73 🔗 ⚙️  
🛠️ Code Smell ▾ 🚨 Critical ▾ 🔵 Open ▾ Not assigned ▾ 8min effort Comment  
🔗 design ▾

<input type="checkbox"/>	Remove this empty statement.	18 minutes ago ▾ L83
	Code Smell ▾  Minor ▾  Open ▾ Not assigned ▾ 2min effort <a href="#">Comment</a>	cert, unused ▾
<input type="checkbox"/>	Define a constant instead of duplicating this literal <code>"/owners/new"</code> 3 times.	18 minutes ago ▾ L103
	Code Smell ▾  Critical ▾  Open ▾ Not assigned ▾ 8min effort <a href="#">Comment</a>	design ▾
<input type="checkbox"/>	Define a constant instead of duplicating this literal <code>"owner"</code> 23 times.	18 minutes ago ▾ L103
	Code Smell ▾  Critical ▾  Open ▾ Not assigned ▾ 48min effort <a href="#">Comment</a>	design ▾
<input type="checkbox"/>	Define a constant instead of duplicating this literal <code>"owners/createOrUpdateOwnerForm"</code> 4 times.	18 minutes ago ▾ L104
	Code Smell ▾  Critical ▾  Open ▾ Not assigned ▾ 10min effort <a href="#">Comment</a>	design ▾
<input type="checkbox"/>	Define a constant instead of duplicating this literal <code>"lastName"</code> 10 times.	18 minutes ago ▾ L109
	Code Smell ▾  Critical ▾  Open ▾ Not assigned ▾ 22min effort <a href="#">Comment</a>	design ▾
<input type="checkbox"/>	Define a constant instead of duplicating this literal <code>"firstName"</code> 6 times.	18 minutes ago ▾ L109
	Code Smell ▾  Critical ▾  Open ▾ Not assigned ▾ 14min effort <a href="#">Comment</a>	design ▾
<input type="checkbox"/>	Define a constant instead of duplicating this literal <code>"Bloggs"</code> 4 times.	18 minutes ago ▾ L109
	Code Smell ▾  Critical ▾  Open ▾ Not assigned ▾ 10min effort <a href="#">Comment</a>	design ▾
<input type="checkbox"/>	Define a constant instead of duplicating this literal <code>"London"</code> 3 times.	18 minutes ago ▾ L110
	Code Smell ▾  Critical ▾  Open ▾ Not assigned ▾ 8min effort <a href="#">Comment</a>	design ▾
<input type="checkbox"/>	Define a constant instead of duplicating this literal <code>"address"</code> 7 times.	18 minutes ago ▾ L110
	Code Smell ▾  Critical ▾  Open ▾ Not assigned ▾ 16min effort <a href="#">Comment</a>	design ▾
<input type="checkbox"/>	Define a constant instead of duplicating this literal <code>"telephone"</code> 7 times.	18 minutes ago ▾ L110
	Code Smell ▾  Critical ▾  Open ▾ Not assigned ▾ 16min effort <a href="#">Comment</a>	design ▾

<input type="checkbox"/>	Replace the type specification in this constructor call with the diamond operator ("<>"). (sonar.java.source not set. Assuming 7 or greater.)	 18 minutes ago ▾ L132  
	 Code Smell ▾  Minor ▾  Open ▾ Not assigned ▾ 1min effort <a href="#">Comment</a>	 clumsy ▾
<input type="checkbox"/>	Define a constant instead of duplicating this literal <code>"/owners?page=1"</code> 3 times.	18 minutes ago ▾ L134  
	 Code Smell ▾  Critical ▾  Open ▾ Not assigned ▾ 8min effort <a href="#">Comment</a>	 design ▾
<input type="checkbox"/>	Replace the type specification in this constructor call with the diamond operator ("<>"). (sonar.java.source not set. Assuming 7 or greater.)	 18 minutes ago ▾ L139  
	 Code Smell ▾  Minor ▾  Open ▾ Not assigned ▾ 1min effort <a href="#">Comment</a>	 clumsy ▾
<input type="checkbox"/>	Replace the type specification in this constructor call with the diamond operator ("<>"). (sonar.java.source not set. Assuming 7 or greater.)	 18 minutes ago ▾ L147  
	 Code Smell ▾  Minor ▾  Open ▾ Not assigned ▾ 1min effort <a href="#">Comment</a>	 clumsy ▾
<input type="checkbox"/>	Define a constant instead of duplicating this literal <code>"/owners/{ownerId}/edit"</code> 4 times.	18 minutes ago ▾ L158  
	 Code Smell ▾  Critical ▾  Open ▾ Not assigned ▾ 10min effort <a href="#">Comment</a>	 design ▾
<input type="checkbox"/>	Replace this if-then-else statement by a single return statement.	18 minutes ago ▾ L208  
	 Code Smell ▾  Minor ▾  Open ▾ Not assigned ▾ 2min effort <a href="#">Comment</a>	 clumsy ▾
 <code>src/.../samples/petclinic/owner/PetControllerTests.java</code>		
<input type="checkbox"/>	Define a constant instead of duplicating this literal <code>"hamster"</code> 3 times.	18 minutes ago ▾ L57  
	 Code Smell ▾  Critical ▾  Open ▾ Not assigned ▾ 8min effort <a href="#">Comment</a>	 design ▾
<input type="checkbox"/>	Define a constant instead of duplicating this literal <code>"/owners/{ownerId}/pets/new"</code> 3 times.	18 minutes ago ▾ L68  
	 Code Smell ▾  Critical ▾  Open ▾ Not assigned ▾ 8min effort <a href="#">Comment</a>	 design ▾
<input type="checkbox"/>	Define a constant instead of duplicating this literal <code>"pets/createOrUpdatePetForm"</code> 4 times.	18 minutes ago ▾ L69  
	 Code Smell ▾  Critical ▾  Open ▾ Not assigned ▾ 10min effort <a href="#">Comment</a>	 design ▾

<input type="checkbox"/>	Define a constant instead of duplicating this literal "Betty" 4 times.	18 minutes ago ▾ L74 🔗 🔽
	🐛 Code Smell ▾ 🚨 Critical ▾ 🔵 Open ▾ Not assigned ▾ 10min effort Comment	🔗 design ▾
<input type="checkbox"/>	Define a constant instead of duplicating this literal "2015-02-12" 3 times.	18 minutes ago ▾ L75 🔗 🔽
	🐛 Code Smell ▾ 🚨 Critical ▾ 🔵 Open ▾ Not assigned ▾ 8min effort Comment	🔗 design ▾
<input type="checkbox"/>	Define a constant instead of duplicating this literal "birthDate" 4 times.	18 minutes ago ▾ L75 🔗 🔽
	🐛 Code Smell ▾ 🚨 Critical ▾ 🔵 Open ▾ Not assigned ▾ 10min effort Comment	🔗 design ▾
<input type="checkbox"/>	Define a constant instead of duplicating this literal "/owners/{ownerId}/pets/{petId}/edit" 3 times.	18 minutes ago ▾ L90 🔗 🔽
	🐛 Code Smell ▾ 🚨 Critical ▾ 🔵 Open ▾ Not assigned ▾ 8min effort Comment	🔗 design ▾

 src/.../samples/petclinic/owner/PetTypeFormatterTests.java

<input type="checkbox"/>	Remove useless curly braces around statement (sonar.java.source not set. Assuming 8 or greater.)	18 minutes ago ▾ L71 🔗 🔽
	🐛 Code Smell ▾ 🟡 Minor ▾ 🔵 Open ▾ Not assigned ▾ 5min effort Comment	🔗 java8 ▾
<input type="checkbox"/>	Use another way to initialize this instance.	18 minutes ago ▾ L86 🔗 🔽
	🐛 Bug ▾ 🟡 Minor ▾ 🔵 Open ▾ Not assigned ▾ 5min effort Comment	🔗 leak ▾
<input type="checkbox"/>	Move the contents of this initializer to a standard constructor or to field initializers.	18 minutes ago ▾ L83 🔗 🔽
	🐛 Code Smell ▾ 🚨 Major ▾ 🔵 Open ▾ Not assigned ▾ 30min effort Comment	🔗 pitfall ▾
<input type="checkbox"/>	Use another way to initialize this instance.	18 minutes ago ▾ L91 🔗 🔽
	🐛 Bug ▾ 🟡 Minor ▾ 🔵 Open ▾ Not assigned ▾ 5min effort Comment	🔗 leak ▾
<input type="checkbox"/>	Move the contents of this initializer to a standard constructor or to field initializers.	18 minutes ago ▾ L88 🔗 🔽
	🐛 Code Smell ▾ 🚨 Major ▾ 🔵 Open ▾ Not assigned ▾ 30min effort Comment	🔗 pitfall ▾

☐ Define a constant instead of duplicating this literal `"/owners/{ownerId}/pets/{petId}/visits/new"` 3 times. 19 minutes ago ▾ L62 🔗 🚩  
⚠️ Code Smell ▾ ⬆️ Critical ▾ 🔵 Open ▾ Not assigned ▾ 8min effort Comment 🛠️ design ▾

src/.../samples/petclinic/service/ClinicServiceTests.java

☐ Rename "owners" which hides the field declared at line 76. 19 minutes ago ▾ L86 🔗 🚩  
⚠️ Code Smell ▾ ⬆️ Major ▾ 🔵 Open ▾ Not assigned ▾ 5min effort Comment 🛠️ cert, pitfall, suspicious ▾

☐ Define a constant instead of duplicating this literal `"Schultz"` 3 times. 19 minutes ago ▾ L105 🔗 🚩  
⚠️ Code Smell ▾ ⬆️ Critical ▾ 🔵 Open ▾ Not assigned ▾ 8min effort Comment 🛠️ design ▾

☐ Rename "owners" which hides the field declared at line 76. 19 minutes ago ▾ L105 🔗 🚩  
⚠️ Code Smell ▾ ⬆️ Major ▾ 🔵 Open ▾ Not assigned ▾ 5min effort Comment 🛠️ cert, pitfall, suspicious ▾

☐ Rename "vets" which hides the field declared at line 79. 19 minutes ago ▾ L187 🔗 🚩  
⚠️ Code Smell ▾ ⬆️ Major ▾ 🔵 Open ▾ Not assigned ▾ 5min effort Comment 🛠️ cert, pitfall, suspicious ▾

☐ Remove this useless assignment to local variable "owner6". 19 minutes ago ▾ L208 🔗 🚩  
⚠️ Code Smell ▾ ⬆️ Major ▾ 🔵 Open ▾ Not assigned ▾ 15min effort Comment 🛠️ cert, cwe, unused ▾

src/.../samples/petclinic/service/EntityUtils.java

☐ Add a private constructor to hide the implicit public one. 19 minutes ago ▾ L33 🔗 🚩  
⚠️ Code Smell ▾ ⬆️ Major ▾ 🔵 Open ▾ Not assigned ▾ 5min effort Comment 🛠️ design ▾

☐ Convert the abstract class "EntityUtils" into an interface. (sonar.java.source not set. Assuming 8 or greater.) 19 minutes ago ▾ L33 🔗 🚩  
⚠️ Code Smell ▾ ⬇️ Minor ▾ 🔵 Open ▾ Not assigned ▾ 10min effort Comment 🛠️ java8 ▾

src/.../samples/petclinic/system/CrashControllerTests.java

☐ Define a constant instead of duplicating this literal `"exception"` 3 times. 19 minutes ago ▾ L43 🔗 🚩  
⚠️ Code Smell ▾ ⬆️ Critical ▾ 🔵 Open ▾ Not assigned ▾ 8min effort Comment 🛠️ design ▾

Se puede evidenciar que:

- **Se detectar 43 bugs.** esto indica que hay problemas en el código que deben corregirse para mejorar la calidad y el rendimiento del software.
- **Se detecto la presencia de 1 Security Hotspots.** esto indica que se identificó un posible problema de seguridad en el código que debe abordarse de inmediato.
- **Se detectaron 59 códigos apestosos.** Esto significa que hay problemas de diseño y/o mantenibilidad en el código que pueden causar problemas en el futuro.
- **Se detecta una deuda técnica de 1 día y 2 horas.** Esto significa que, en promedio, se necesitaría un día y dos horas para resolver todos los problemas identificados por SonarQube.
- **Se detecta una cobertura del 0% de pruebas unitarias.** Esto significa que no hay pruebas unitarias implementadas en el código, lo que hace que sea difícil asegurar su calidad y rendimiento.
- **Se analizaron 9700 líneas de código.**

En resumen, los resultados sugieren que el código tiene problemas que deben abordarse para mejorar su calidad, seguridad, diseño y mantenibilidad. Además, se necesita implementar pruebas unitarias para aumentar la confianza en el rendimiento y la calidad del software.