

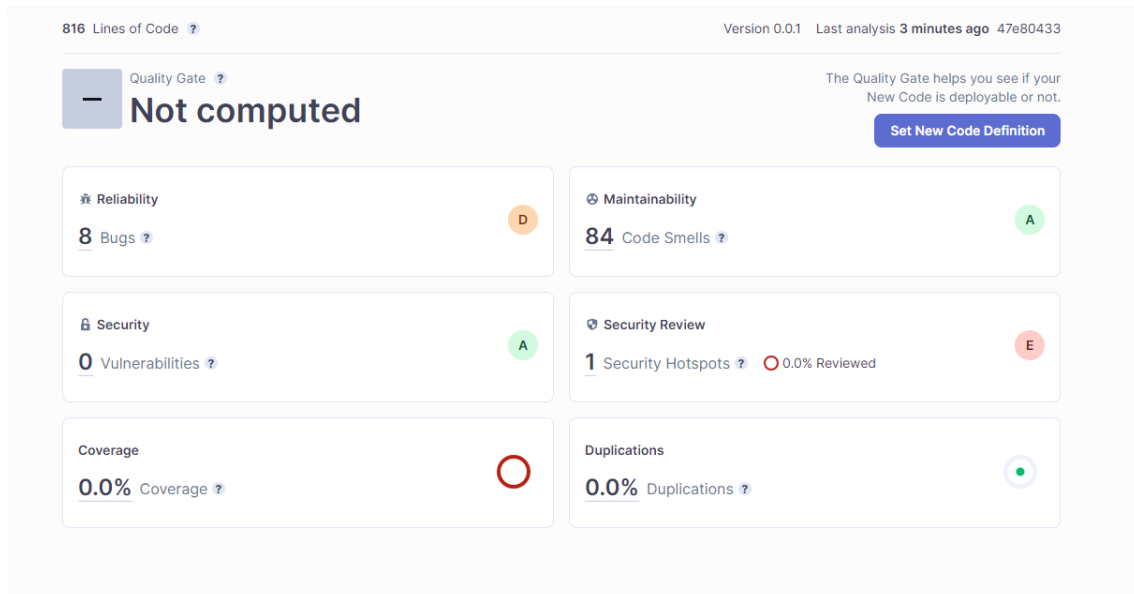
# Informe sobre SonarCloud

BUGS Y CODE SMELLS

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Enlace a GitHub: <https://github.com/lragazti/BetsJSF.git>

## SonarCloud



## Bugs

Se pueden ver 8 bugs, pero en realidad son solo 4, de los cuales se repiten los 3 últimos:

- Usar validar o quitar la propiedad (que no puedo quitar la propiedad)
- Especificar el lenguaje del XML
- Añadir cabeceras a la tabla
- Añadir descripción a la tabla

Los últimos 3 se repiten en los .XHTML entonces solo voy a solucionarlo en la clase CreateQuestions.xhtml

## Bug1

```
1 <!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN"
2 "http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">
3 <html xmlns="http://www.w3.org/1999/xhtml"
4     xmlns:ui="http://java.sun.com/jsf/facelets"
5     xmlns:h="http://java.sun.com/jsf/html"
6     xmlns:f="http://java.sun.com/jsf/core"
7     xmlns:p="http://primefaces.org/ui">
8     <ui:composition>
9         <f:view>
10             <h:head>
11                 <title>Create Questions</title>
12             </h:head>
13             <h:body>
14                 <h:form id="miForm">
15                     <h1>Create Questions</h1>
16                     <table>
```

Solución:

```

1 <DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN
2 "http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">
3 <html xmlns="http://www.w3.org/1999/xhtml"
4     xmlns:ui="http://java.sun.com/jsf/facelets"
5     xmlns:h="http://java.sun.com/jsf/html"
6     xmlns:f="http://java.sun.com/jsf/core"
7     xmlns:p="http://primefaces.org/ui"
8     lang="es" xml:lang="es">
9 <ui:composition>
10 <f:view>

```

## Bug 2

✖ Add "<th>" headers to this "<table>".

```

<tr>
<td>Event Date</td>
<td><p:calendar id="date" navigator="false"
value="#{query.date}" mode="inline">
<p:ajax event="dateSelect" listener="#{query.onDateSelect}"
update="mensajes :miForm:tablaPF :miForm:tabla"></p:ajax>
</p:calendar></td>
<h:messages id="mensajes" style="color:blue" />
</tr>
<tr>
<td>Events:</td>
<td><p:dataTable id="tablaPF" value="#{query.eventos}"

```

## Solución:

```

</h:head>
<h:body>
<h:form id="miForm">
<h1>Create Questions</h1>
<table>
<caption>Tabla de Apuestas:</caption>
<tr>
<td>Event Date</td>
<td><p:calendar id="date" navigator="false"
value="#{query.date}" mode="inline">
<p:ajax event="dateSelect" listener="#{
update="mensajes :miForm:tablaPF :

```

## Bug 3:

✖ Add a description to this table.

```

<h:form id="miForm">
<h1>Create Questions</h1>
<table>
<tr>
<td>Event Date</td>
<td><p:calendar id="date" navigator="false"
value="#{query.date}" mode="inline">
<p:ajax event="dateSelect" listener="#{query.onDateSelect}"
update="mensajes :miForm:tablaPF :miForm:tabla"></p:ajax>

```

## Solución:








```

<table>
  <caption>Tabla de Apuestas:</caption>
  <tr>
    <th>Event Date</th>
    <th><p:calendar id="date" navigator="false"
      value="#{query.date}" mode="inline">
        <p:ajax event="dateSelect" listener="#{query.onDateSelect}"
          update="mensajes :miForm:tablaPF :miForm:tabla"></p:ajax>
        </p:calendar></th>
    <h:messages id="mensajes" style="color:blue" />
  </tr>

```

th es celda de encabezado y td es celda de datos




Code Smell (CS):


	Code Smell	84
<hr/>		
	Severity	
	Blocker	0
	Minor	19
	Critical	4
	Info	0
	Major	66

CS 1:

**This block of commented-out lines of code should be removed.** [🔗](#)

Sections of code should not be commented out [java:S125](#) No tags +

 Code Smell
  Open
  Major
 Not assigned
 L7 • 5min effort • 34 minutes ago

Where is the issue?	Why is this an issue?	Activity
<pre> 4  -- 5  -- 6  -- 7  -- </pre>	<pre> import java.util.Date; import java.util.List;  //import domain.Booking; </pre>	<div>  This block of commented-out lines of code should be removed. </div>
<pre> 8  -- 9  -- 10 -- 11 -- 12 -- </pre>	<pre> import domain.Question; import domain.Event; import exceptions.EventFinished; import exceptions.QuestionAlreadyExist; </pre>	

Se borra la línea comentada

CS 2:

Local variables should not be declared and then immediately returned or thrown [java:S1488](#)

No tags +

L99 • 2min effort • 36 minutes ago

Code Smell ▾

Open ▾

Minor ▾

Not assigned ▾

Where is the issue?

Why is this an issue?

Activity

```

88 -
89 -
90 -
91 -
92 -
93 -
94 -
95 -
96 -
97 -
98 -
99 -

```

```

/**
 * This method invokes the data access to retrieve the dates a month for which there are events
 *
 * @param date of the month for which days with events want to be retrieved
 * @return collection of dates
 */
// @WebMethod
public List<Date> getEventsMonth(Date date) {

    List<Date> dates=dbManager.getEventsMonth(date);

    return dates;
}

```

Immediately return this expression instead of assigning it to the temporary variable "dates".

```

100 -
101 -
102 -

```

### Solución

```
//@WebMethod
public List<Date> getEventsMonth(Date date) {

    return dbManager.getEventsMonth(date);

}
```

CS 3:

Los tres CS Critical son iguales.

Define a constant instead of duplicating this literal "¿Quién ganará el partido?" 3 times. [🔗](#)

String literals should not be duplicated [java:S1192](#) No tags

🔍 Code Smell ☐ Open ☒ Critical ☐ Not assigned L110 • 8min effort • 43 minutes a

Where is the issue?

Why is this an issue?

Activity

src/main/java/dataAccess/DataAccess.java [📄](#)

[See all issues in this file](#) [🔗](#)

⬆️ Show 104 more lines

```
105 -- Question q4;
106 -- Question q5;
107 -- Question q6;
108 --
109 --         if (Locale.getDefault().equals(new Locale("es"))) {
110 --             q1=ev1.addQuestion("¿Quién ganará el partido?",1);
```

🔍

Define a constant instead of duplicating this literal "¿Quién ganará el partido?" 3 times.

```
111 --             q2=ev1.addQuestion("¿Quién meterá el primer gol?" ,2);
```

Solución:

Añadir esta línea al principio de la clase:

```

9  ~/
0  public class DataAccess implements DataAccessInterface {
1
2      private static final String GANAR_ESP= "¿Quién ganará el partido?";
3      private static final String GANAR_EN= "Who will win the match?";
4      private static final String GANAR_EU= "Zeinek irabaziko du partidua?";
5

```

Luego, cambiar ¿Quién gana? Por GANAR\_ESP

```

        question q0,

        if (Locale.getDefault().equals(new Locale("es"))) {
            q1=ev1.addQuestion(GANAR_ESP,1);
            q2=ev1.addQuestion("¿Quién meterá el primer gol?",2);
            q3=ev11.addQuestion(GANAR_ESP,1);
            q4=ev11.addQuestion("¿Cuántos goles se marcarán?",2);
            q5=ev17.addQuestion(GANAR_ESP,1);
            q6=ev17.addQuestion("¿Habrá goles en la primera parte?",2);
        }
        else if (Locale.getDefault().equals(new Locale("en"))) {
            q1=ev1.addQuestion(GANAR_EN,1);
            q2=ev1.addQuestion("Who will score first?",2);
            q3=ev11.addQuestion(GANAR_EN,1);
            q4=ev11.addQuestion("How many goals will be scored in the match?",2);
            q5=ev17.addQuestion(GANAR_EN,1);
            q6=ev17.addQuestion("Will there be goals in the first half?",2);
        }
        else {
            q1=ev1.addQuestion(GANAR_EU,1);
            q2=ev1.addQuestion("Zeinek sartuko du lehenengo gola?",2);
            q3=ev11.addQuestion(GANAR_EU,1);
            q4=ev11.addQuestion("Zenbat gol sartuko dira?",2);
            q5=ev17.addQuestion(GANAR_EU,1);
            q6=ev17.addQuestion("Golak sartuko dira lehenengo zatian?",2);
        }
    }
}

```

CS 4:

Replace this if-then-else statement by a single return statement. [🔗](#)

Return of boolean expressions should not be wrapped into an "if-then-else" statement [java:S1126](#) No tags +

🔧 Code Smell ▾ ○ Open ▾ ✅ Minor ▾ Not assigned ▾ L135 • 2min effort • 48 minutes ago

Where is the issue?	Why is this an issue?	Activity
---------------------	-----------------------	----------

```
112 -     }
113 -     return false;
114 - }
115 -
116 -
117 -
118 - @Override
119 - public int hashCode() {
120 -     final int prime = 31;
121 -     int result = 1;
122 -     result = prime * result + eventNumber;
123 -     return result;
124 - }
125 -
126 - @Override
127 - public boolean equals(Object obj) {
128 -     if (this == obj)
129 -         return true;
130 -     if (obj == null)
131 -         return false;
132 -     if (getClass() != obj.getClass())
133 -         return false;
134 -     Event other = (Event) obj;
135 -     if (eventNumber != other.eventNumber)
136 -         return false;
137 -     return true;
138 - }
```

🔧 Replace this if-then-else statement by a single return statement.

Solución:

```
,
@Override
public boolean equals(Object obj) {
    if (this == obj)
        return true;
    if (obj == null || getClass() != obj.getClass())
        return false;
    Event other = (Event) obj;
    return eventNumber == other.eventNumber;
}
```

CS 5:

**Add a private constructor to hide the implicit public one.** [🔗](#)

Utility classes should not have public constructors [java:S1118](#)

🔧 Code Smell ▾ ○ Open ▾ 🔴 Major ▾ 🏠 Olarizu ▾ L7 • 5min effort

Where is the issue? Why is this an issue? Activity

src/main/java/configuration/UtilDate.java [📄](#) [See all issues](#)

```
1  olariz... package configuration;
2
3  import java.util.Calendar;
4  import java.util.Date;
5  import java.util.TimeZone;
6
7  public class UtilDate {
8
9
10
11
12
13 }
```

🔴 Add a private constructor to hide the implicit public one.

Solución:

Añadir un constructor vacío

```
crip 6
vic 7 public class UtilDate {
    8
    9 private UtilDate(){
    10
    11 }
    12
    13 }
```

Resumen final

<b>Reliability</b> 5 Bugs ? <span>D</span>	<b>Maintainability</b> 78 Code Smells ? <span>A</span>
<b>Security</b> 0 Vulnerabilities ? <span>A</span>	<b>Security Review</b> 1 Security Hotspots ? <span>0.0% Reviewed</span> <span>E</span>
<b>Coverage</b> 0.0% Coverage ? <span>○</span>	<b>Duplications</b> 0.0% Duplications ? <span>○</span>