

Intentional bugs

ACME-GALLERY 1.0

Development team	
Identifier	G89
Members	Bellido Cuesta, José Manuel; Carmona Fombella, José Antonio; Viñas Ordóñez, Alicia.
Testing team	
Identifier	G21
Members	Caraballo de la Rosa, Miguel; Izaga Ramírez, Ángel; Luna Rodríguez, Nicolás; Morato Fernández, Natalia; Ranedo Rubio, Francisco José.
Indexing data	
Designers	Bellido Cuesta, José Manuel; Carmona Fombella, José Antonio, Viñas Ordóñez, Alicia
Testers	Caraballo de la Rosa, Miguel; Izaga Ramírez, Ángel; Luna Rodríguez, Nicolás; Morato Fernández, Natalia; Ranedo Rubio, Francisco José.
Notes	

Effectiveness
7 intentional bugs found from a total number of 10 intentional bugs: 70% found.

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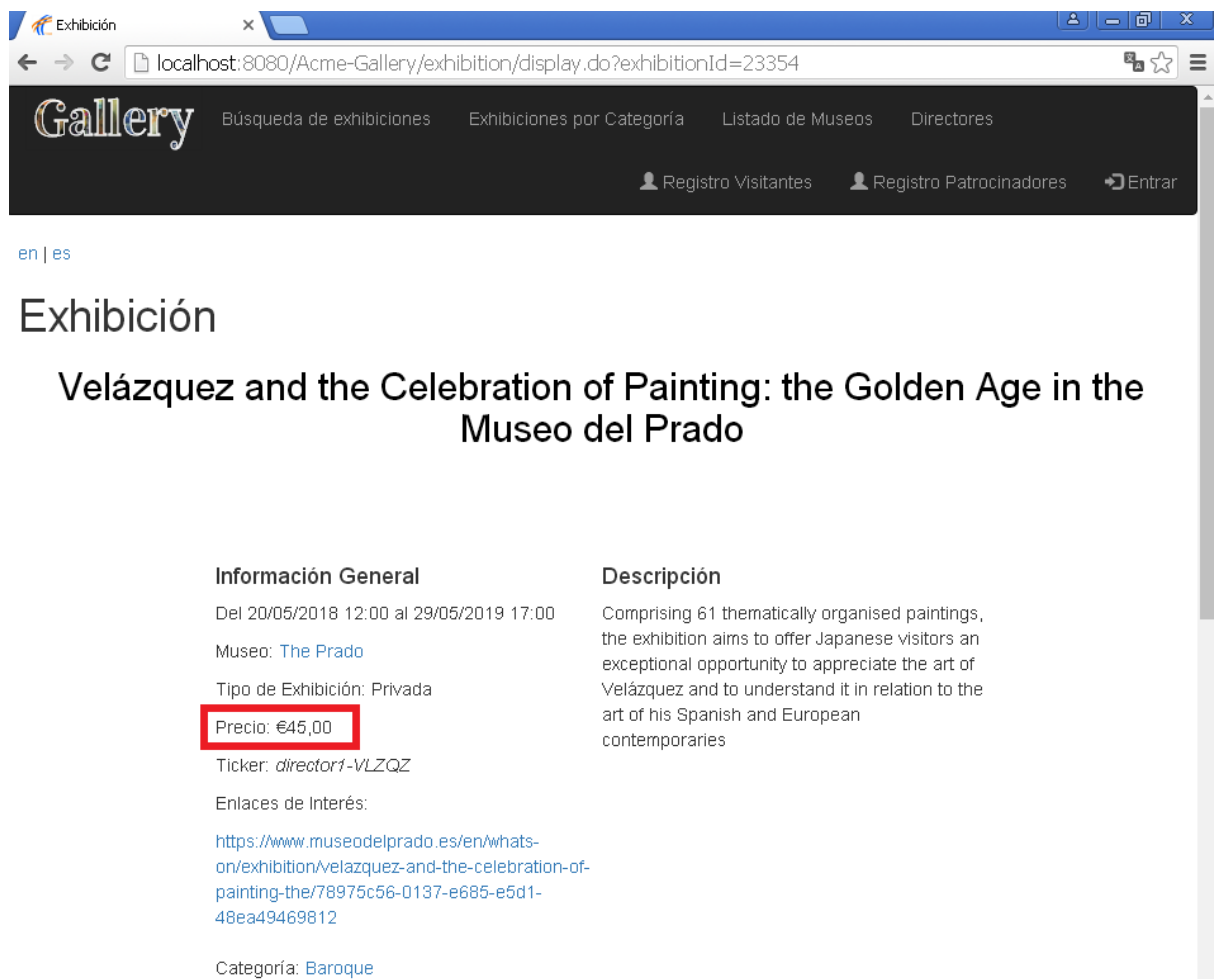
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Bug in use case 002 – Search Exhibitions

Description

When displaying an Exhibition, we changed the price pattern so that it is the same (“€X.XX”) in English and in Spanish. In our acceptance tests, we asked to check that the price pattern is “€X.XX” in English and “X,XX€” in Spanish.

Screenshot of the expected wrong results:



The screenshot shows a web browser window with the URL `localhost:8080/Acme-Gallery/exhibition/display.do?exhibitionId=23354`. The page header includes a navigation bar with the 'Gallery' logo and links for 'Búsqueda de exhibiciones', 'Exhibiciones por Categoría', 'Listado de Museos', and 'Directores'. Below the header, there are links for 'Registro Visitantes', 'Registro Patrocinadores', and 'Entrar'. The main content area displays the exhibition title 'Velázquez and the Celebration of Painting: the Golden Age in the Museo del Prado'. Under the 'Información General' section, the price is listed as '€45,00', which is highlighted with a red box. The 'Descripción' section provides details about the exhibition, mentioning 61 thematically organized paintings and its aim to offer Japanese visitors an exceptional opportunity to appreciate the art of Velázquez.

en | es

Exhibición

Velázquez and the Celebration of Painting: the Golden Age in the Museo del Prado

Información General	Descripción
Del 20/05/2018 12:00 al 29/05/2019 17:00	Comprising 61 thematically organised paintings, the exhibition aims to offer Japanese visitors an exceptional opportunity to appreciate the art of Velázquez and to understand it in relation to the art of his Spanish and European contemporaries
Museo: The Prado	
Tipo de Exhibición: Privada	
Precio: €45,00	
Ticker: <code>director1-VLZQZ</code>	
Enlaces de Interés:	
https://www.museodelprado.es/en/whats-on/exhibition/velazquez-and-the-celebration-of-painting-the/78975c56-0137-e685-e5d1-48ea49469812	
Categoría: Baroque	

Screenshot of the correct results:

The screenshot shows a web browser window with the URL `localhost:8080/Acme-Gallery/exhibition/display.do?exhibitionId=23354`. The page has a dark header with the 'Gallery' logo and navigation links: 'Búsqueda de exhibiciones', 'Exhibiciones por Categoría', 'Listado de Museos', and 'Directores'. Below the header, there are links for 'Registro Visitantes', 'Registro Patrocinadores', and 'Entrar'. The main content area is titled 'Exhibición' and features the exhibition name 'Velázquez and the Celebration of Painting: the Golden Age in the Museo del Prado'. The details are organized into two columns: 'Información General' and 'Descripción'. In the 'Información General' column, the 'Precio: 45,00€' is highlighted with a red box. Other details include the dates 'Del 20/05/2018 12:00 al 29/05/2019 17:00', the museum 'The Prado', the type 'Privada', the ticker 'director1-VLZQZ', a list of links, and the category 'Baroque'. The 'Descripción' column provides a brief overview of the exhibition's content.

Información General	Descripción
Del 20/05/2018 12:00 al 29/05/2019 17:00	Comprising 61 thematically organised paintings, the exhibition aims to offer Japanese visitors an exceptional opportunity to appreciate the art of Velázquez and to understand it in relation to the art of his Spanish and European contemporaries
Museo: The Prado	
Tipo de Exhibición: Privada	
Precio: 45,00€	
Ticker: <i>director1-VLZQZ</i>	
Enlaces de Interés:	
https://www.museodelprado.es/en/whats-on/exhibition/velazquez-and-the-celebration-of-painting-the/78975c56-0137-e685-e5d1-48ea49469812	
Categoría: Baroque	

Results

We made it explicit on Test #008 from UC002 to check that the pattern was X,XX€ (es) and €X.XX (en).

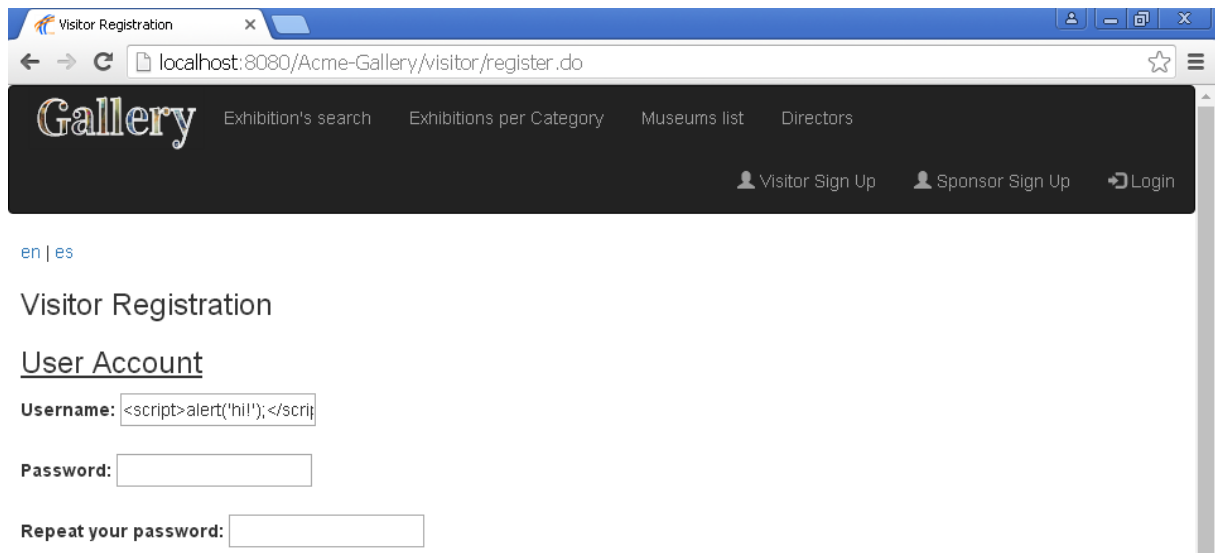
The testers didn't report on this error and wrote down it worked as expected.

Bug in use case 003 – Register as a Sponsor

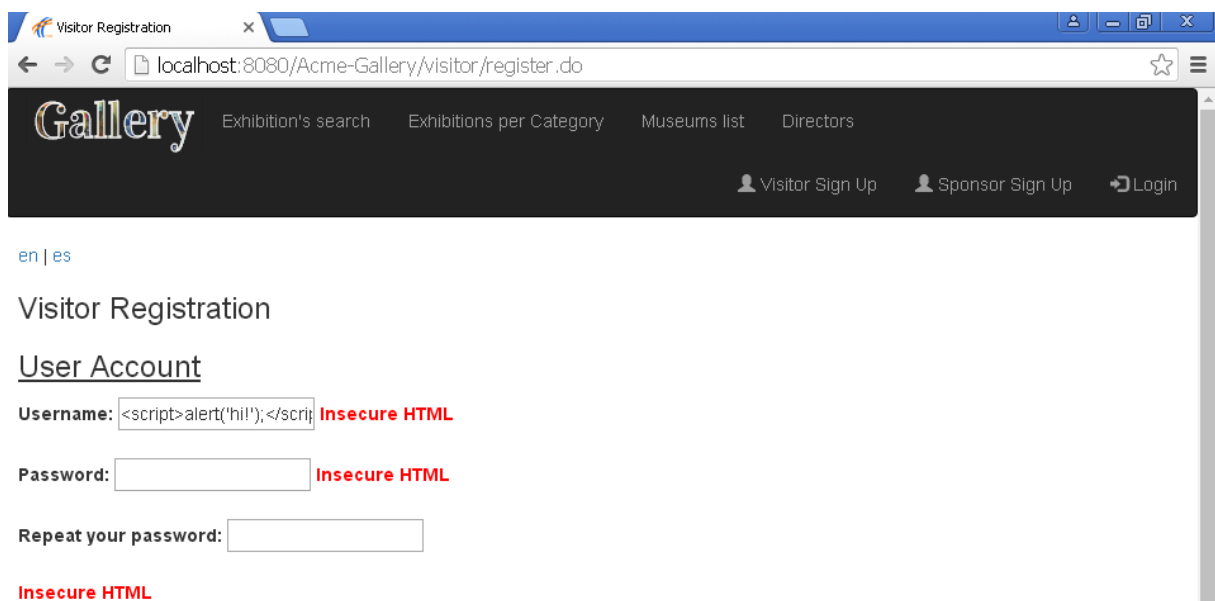
Description

We removed the @SafeHtml annotation from the *username* and *password* of UserAccount so that XSS could be carried out on that properties. Thus, no error message is shown when you try it

Screenshot of the expected wrong results:



Screenshot of the correct results:



Results

We made it explicit on Test #004 from UC003 to try XSS in the registration of a Sponsor by entering “<script>alert(‘hacked!’);</script>” in all of its properties and check that the “Insecure HTML” error is shown in all of them.

The testers reported on this error and wrote down the “Insecure HTML” error message was only shown in the fields: *name*, *surname* and *address*.

Bug in use case 021 – Director edit an Exhibition

Description

When editing an exhibition, we wrote the message of your current exhibitions in English and didn't internationalize it for the Spanish view.

Screenshot of the expected wrong results:

The screenshot shows a web browser window with the URL `localhost:8080/Acme-Gallery/exhibition/director/edit.do?exhibitionId=23347`. The page title is "Editar una exhibición". The header features the "Gallery" logo and navigation links: "Búsqueda de exhibiciones", "Exhibiciones por Categoría", "Mis exhibiciones", "Listado de Museos", "Mis Museos", "Salas", "Incidencias", "Directores", and "director1". A "Salir" button is in the bottom right of the header.

Below the header, there are language links "en | es". The main heading is "Editar una exhibición".

The form fields are as follows:

- Título:** Sasha Velour: NIGHTGOWN
- Descripción:** Nightgowns is a monthly live
- Fecha de inicio:** 14/07/2018 20:00
- Fecha de fin:** 20/07/2018 23:59

A red box highlights the message "Your current exhibitions dates and rooms:". Below this message, a list of current exhibitions is displayed:

- director1-VanGA | A1.10: 13/05/2018 10:00 - 13/07/2018 21:00
- director1-SashaVelourNG | A1.10: 14/07/2018 20:00 - 20/07/2018 23:59
- director1-RubensPS | A1.20: 10/02/2018 12:00 - 15/02/2018 22:00
- director1-InLapDep | A1.30: 08/08/2018 10:00 - 18/08/2018 20:00
- director1-TheOAD | A1.30: 20/08/2018 20:00 - 23/08/2018 23:00
- director1-VLZQZ | SP01: 20/05/2018 12:00 - 29/05/2019 17:00
- director1-Greece | B2.70: 10/07/2018 10:00 - 20/07/2018 19:00
- director1-Christmas | V10.1: 24/12/2017 09:00 - 06/01/2018 21:00
- director1-IsrSilv | L4.40: 14/07/2018 10:00 - 24/07/2018 22:30
- director1-Delacroix | L4.50: 18/07/2018 15:00 - 22/07/2018 15:00

Screenshot of the correct results:

en | es

Editar una exhibición

Título: Sasha Velour: NIGHTGOWN

Descripción: Nightgowns is a monthly live

Fecha de inicio: 14/07/2018 20:00

Fecha de fin: 20/07/2018 23:59

Fechas y salas de tus exhibiciones actuales:

- director1-VanGA | A1.10: 13/05/2018 10:00 - 13/07/2018 21:00
- director1-SashaVelourNG | A1.10: 14/07/2018 20:00 - 20/07/2018 23:59
- director1-RubensPS | A1.20: 10/02/2018 12:00 - 15/02/2018 22:00
- director1-InLapDep | A1.30: 08/08/2018 10:00 - 18/08/2018 20:00
- director1-TheOAD | A1.30: 20/08/2018 20:00 - 23/08/2018 23:00
- director1-VLZQZ | SP01: 20/05/2018 12:00 - 29/05/2019 17:00
- director1-Greece | B2.70: 10/07/2018 10:00 - 20/07/2018 19:00
- director1-Christmas | V10.1: 24/12/2017 09:00 - 06/01/2018 21:00
- director1-IsrSilv | L4.40: 14/07/2018 10:00 - 24/07/2018 22:30
- director1-Delacroix | L4.50: 18/07/2018 15:00 - 22/07/2018 15:00

Results

We made it explicit on Test #018 from UC021 to try the UC in Spanish and check that all the messages were written in Spanish.

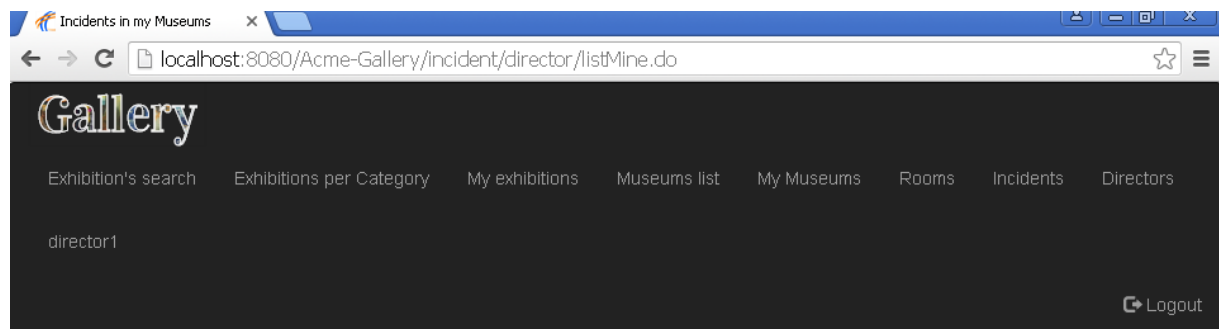
The testers didn't report on this error and wrote down they didn't know the credentials to log in as a Director.

Bug in use case 024 – Director check an Incident

Description

We removed the sortable attribute from the severity level column in the Incidents' listings but, included that functionality in the acceptance tests as mandatory.

Screenshot of the expected wrong results:



[en](#) | [es](#)

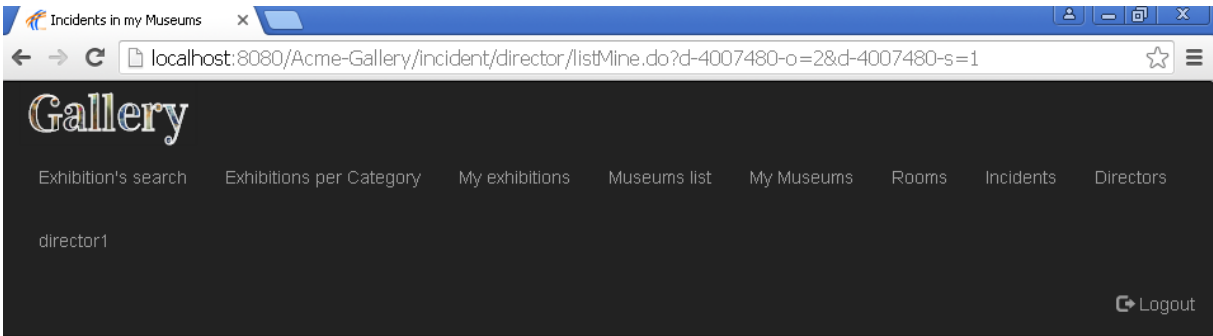
Incidents in my Museums

12 items found, displaying 1 to 5.

[First/Prev] [1](#), [2](#), [3](#) [Next/Last]

Text	Severity level	Status		Museum	Room	
Door's hinges need some oil	Low	Pending	Mark as Checked	State Hermitage	ST0.0	Remove
The fans are not working and about to fall	High	Pending	Mark as Checked	The Prado	SP01	Remove
Electricity is not working	High	Pending	Mark as Checked	State Hermitage	ST0.1	Remove
Someone forgot his or her bag in the room	Low	Pending	Mark as Checked	The Prado	A1.10	Remove
One window is broken	High	Pending	Mark as Checked	The Louvre	L4.40	Remove

Screenshot of the correct results:



[en](#) | [es](#)

Incidents in my Museums

12 items found, displaying 1 to 5.
[First/Prev] 1, 2, 3 [Next/Last]

Text	Severity level	Status		Guide	Museum	Room	
Door's hinges need some oil	Low	Pending	Mark as Checked	Ketchup Nations	State Hermitage	ST0.0	Remove
Someone forgot his or her bag in the room	Low	Pending	Mark as Checked	Pascual Pruitt	The Prado	A1.10	Remove
A chair disappeared	Medium	Pending	Mark as Checked	Pascual Pruitt	The British Museum	B2.80	Remove
One window is broken	High	Pending	Mark as Checked	Pascual Pruitt	The Louvre	L4.40	Remove
Electricity is not working	High	Pending	Mark as Checked	Miki Rankin	State Hermitage	ST0.1	Remove

Results

We made it explicit on Test #005 from UC024 to try sorting for the *severity level* column.

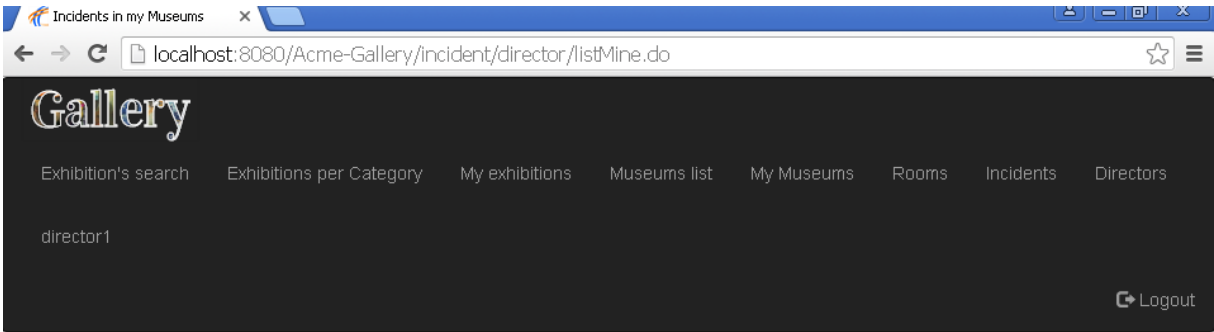
The testers reported on this error and wrote down the column's name wasn't right-spelled in the test case and that there was no option to click and sort the column.

Bug in use case 025 – Director delete an Incident

Description

We removed a column from the Incidents’ listings: the guide that reported it but, included that column in the acceptance tests as mandatory information to be shown.

Screenshot of the expected wrong results:



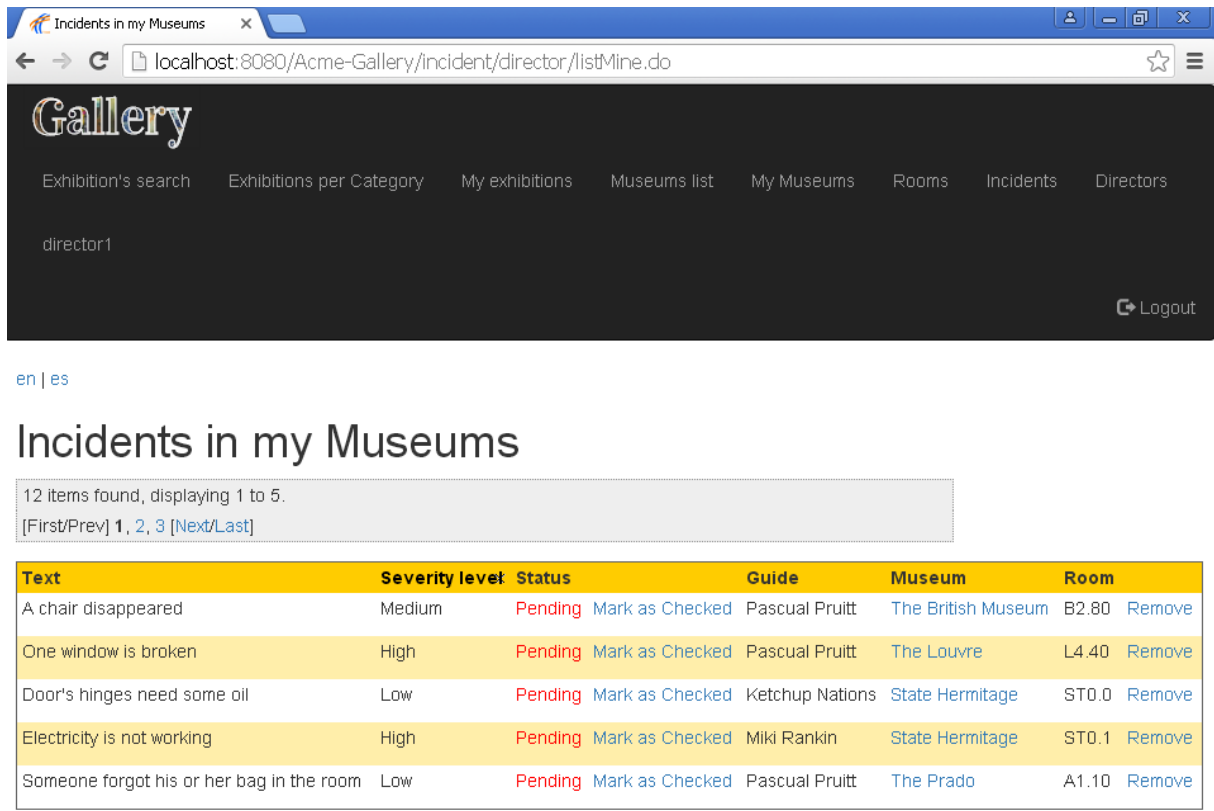
[en](#) | [es](#)

Incidents in my Museums

12 items found, displaying 1 to 5.
[First/Prev] 1, 2, 3 [Next/Last]

Text	Severity level	Status	Museum	Room
Door's hinges need some oil	Low	Pending Mark as Checked	State Hermitage	ST0.0 Remove
The fans are not working and about to fall	High	Pending Mark as Checked	The Prado	SP01 Remove
Electricity is not working	High	Pending Mark as Checked	State Hermitage	ST0.1 Remove
Someone forgot his or her bag in the room	Low	Pending Mark as Checked	The Prado	A1.10 Remove
One window is broken	High	Pending Mark as Checked	The Louvre	L4.40 Remove

Screenshot of the correct results:



The screenshot shows a web browser window with the address bar displaying `localhost:8080/Acme-Gallery/incident/director/listMine.do`. The application has a dark header with the 'Gallery' logo and navigation links: 'Exhibition's search', 'Exhibitions per Category', 'My exhibitions', 'Museums list', 'My Museums', 'Rooms', 'Incidents', and 'Directors'. Below the header, the text 'director1' is visible, and a 'Logout' button is in the bottom right corner. The main content area shows the title 'Incidents in my Museums' and a message '12 items found, displaying 1 to 5.' with pagination links '[First/Prev] 1, 2, 3 [Next/Last]'. A table lists five incidents with columns for Text, Severity level, Status, Guide, Museum, and Room. Each row includes a 'Remove' link.

Text	Severity level	Status	Guide	Museum	Room		
A chair disappeared	Medium	Pending	Mark as Checked	Pascual Pruitt	The British Museum	B2.80	Remove
One window is broken	High	Pending	Mark as Checked	Pascual Pruitt	The Louvre	L4.40	Remove
Door's hinges need some oil	Low	Pending	Mark as Checked	Ketchup Nations	State Hermitage	ST0.0	Remove
Electricity is not working	High	Pending	Mark as Checked	Miki Rankin	State Hermitage	ST0.1	Remove
Someone forgot his or her bag in the room	Low	Pending	Mark as Checked	Pascual Pruitt	The Prado	A1.10	Remove

Results

We made it explicit on Test #001 from UC025 that the listings must show *text*, *severity level*, *status*, *“Mark as checked”*, *guide*, *museum*, *room* and *“Remove”*.

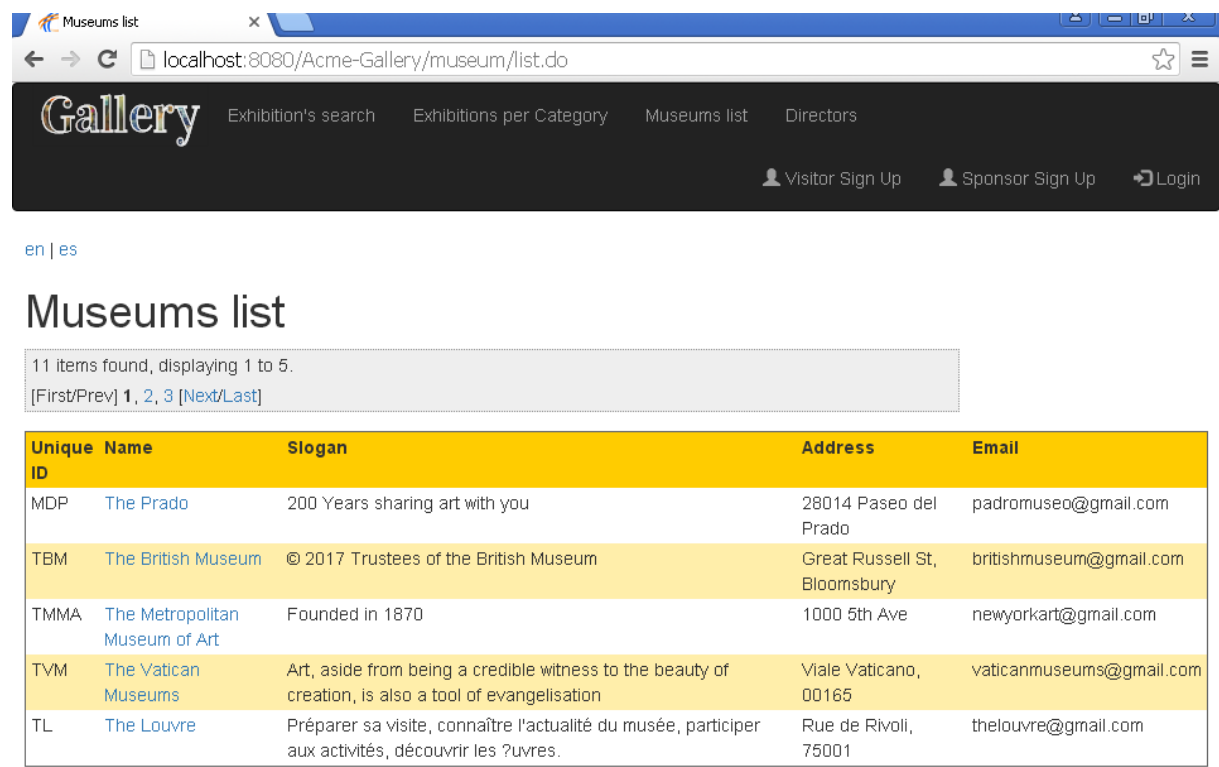
The testers reported on this error and wrote down that the guide’s column didn’t appear.

Bug in use case 026 – Director create a Museum

Description

We removed a column from the Museums' listings: the price but, included that column in the acceptance tests as mandatory information to be shown.

Screenshot of the expected wrong results:



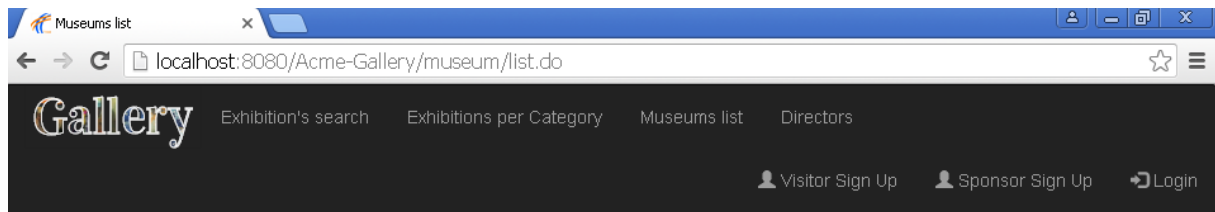
en | es

Museums list

11 items found, displaying 1 to 5.
[First/Prev] 1, 2, 3 [Next/Last]

Unique ID	Name	Slogan	Address	Email
MDP	The Prado	200 Years sharing art with you	28014 Paseo del Prado	padromuseo@gmail.com
TBM	The British Museum	© 2017 Trustees of the British Museum	Great Russell St, Bloomsbury	britishmuseum@gmail.com
TMMA	The Metropolitan Museum of Art	Founded in 1870	1000 5th Ave	newyorkart@gmail.com
TVM	The Vatican Museums	Art, aside from being a credible witness to the beauty of creation, is also a tool of evangelisation	Viale Vaticano, 00165	vaticanmuseums@gmail.com
TL	The Louvre	Préparer sa visite, connaître l'actualité du musée, participer aux activités, découvrir les ?uvres.	Rue de Rivoli, 75001	thelouvre@gmail.com

Screenshot of the correct results:



[en](#) | [es](#)

Museums list

11 items found, displaying 1 to 5.

[First/Prev] 1, 2, 3 [Next/Last]

Unique ID	Name	Slogan	Price	Address	Email
MDP	The Prado	200 Years sharing art with you	€58.99	28014 Paseo del Prado	padromuseo@gmail.com
TBM	The British Museum	© 2017 Trustees of the British Museum	€80.00	Great Russell St, Bloomsbury	britishmuseum@gmail.com
TMMA	The Metropolitan Museum of Art	Founded in 1870	€49.99	1000 5th Ave	newyorkart@gmail.com
TVM	The Vatican Museums	Art, aside from being a credible witness to the beauty of creation, is also a tool of evangelisation	€60.50	Viale Vaticano, 00165	vaticanmuseums@gmail.com
TL	The Louvre	Préparer sa visite, connaître l'actualité du musée, participer aux activités, découvrir les ?uvres.	€67.90	Rue de Rivoli, 75001	thelouvre@gmail.com

Results

We made it explicit on Test #001 from UC026 that the listings must show *unique ID*, *name*, *slogan*, *price*, *address*, and *email*.

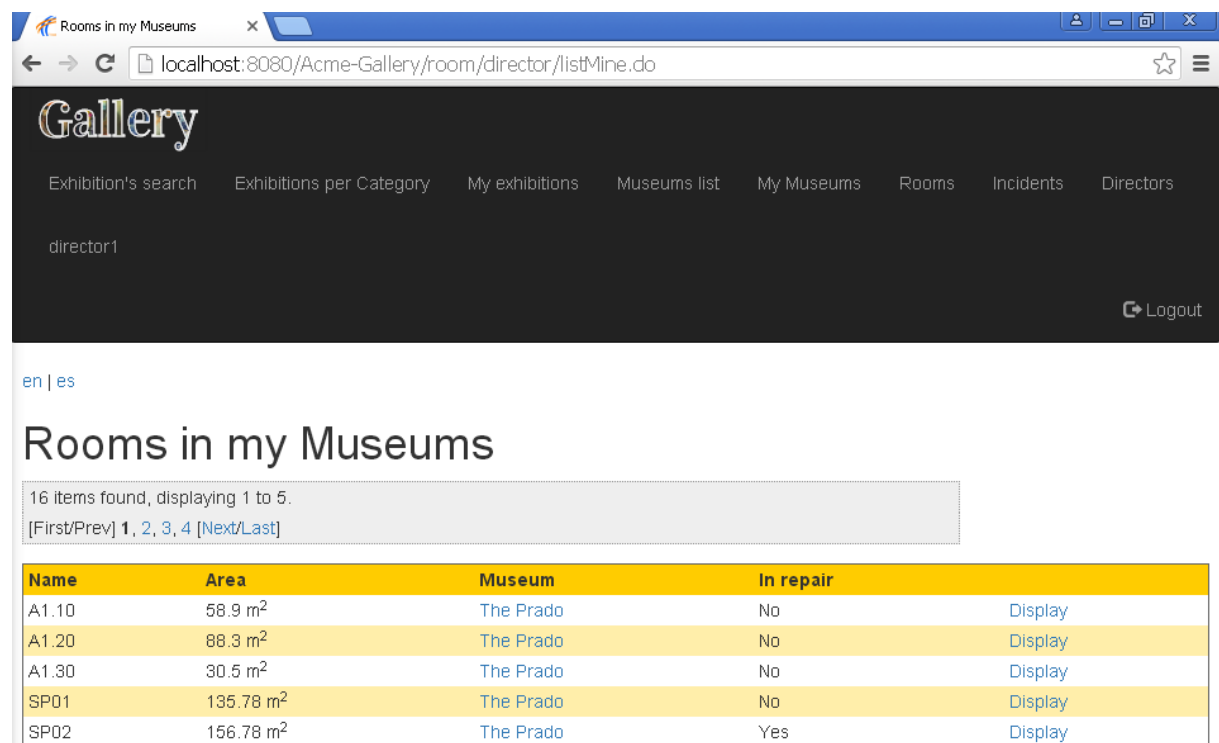
The testers didn't report on this error and wrote down that they didn't know the credentials to log in as a Director.

Bug in use case 030 – Director create a Room

Description

We removed the sortable attribute from the name columns in the Rooms' listings but, included that functionality in the acceptance tests as mandatory.

Screenshot of the expected wrong results:



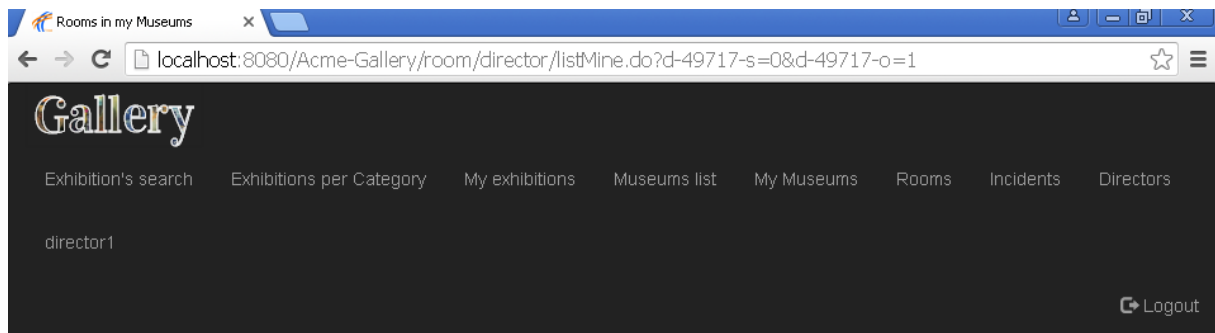
en | es

Rooms in my Museums

16 items found, displaying 1 to 5.
[First/Prev] 1, 2, 3, 4 [Next/Last]

Name	Area	Museum	In repair	
A1.10	58.9 m ²	The Prado	No	Display
A1.20	88.3 m ²	The Prado	No	Display
A1.30	30.5 m ²	The Prado	No	Display
SP01	135.78 m ²	The Prado	No	Display
SP02	156.78 m ²	The Prado	Yes	Display

Screenshot of the correct results:



[en](#) | [es](#)

Rooms in my Museums

16 items found, displaying 1 to 5.

[First/Prev] [1](#), [2](#), [3](#), [4](#) [Next/Last]

Name	Area	Museum	In repair	
SP02	156.78 m ²	The Prado	Yes	Display
SP01	135.78 m ²	The Prado	No	Display
A1.30	30.5 m ²	The Prado	No	Display
A1.20	88.3 m ²	The Prado	No	Display
A1.10	58.9 m ²	The Prado	No	Display

Results

We made it explicit on Test #009 from UC030 to try sorting for the *name* column.

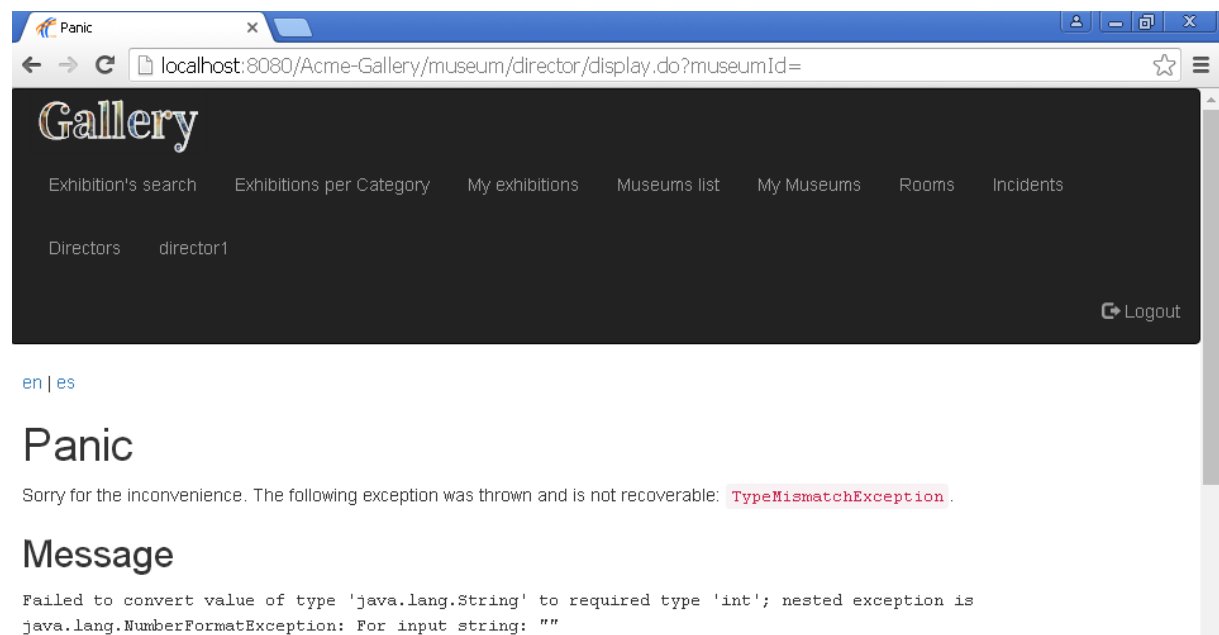
The testers reported on this error and wrote down that the column was static and couldn't be sorted.

Bug in use case 032 – Director mark a Room in repair

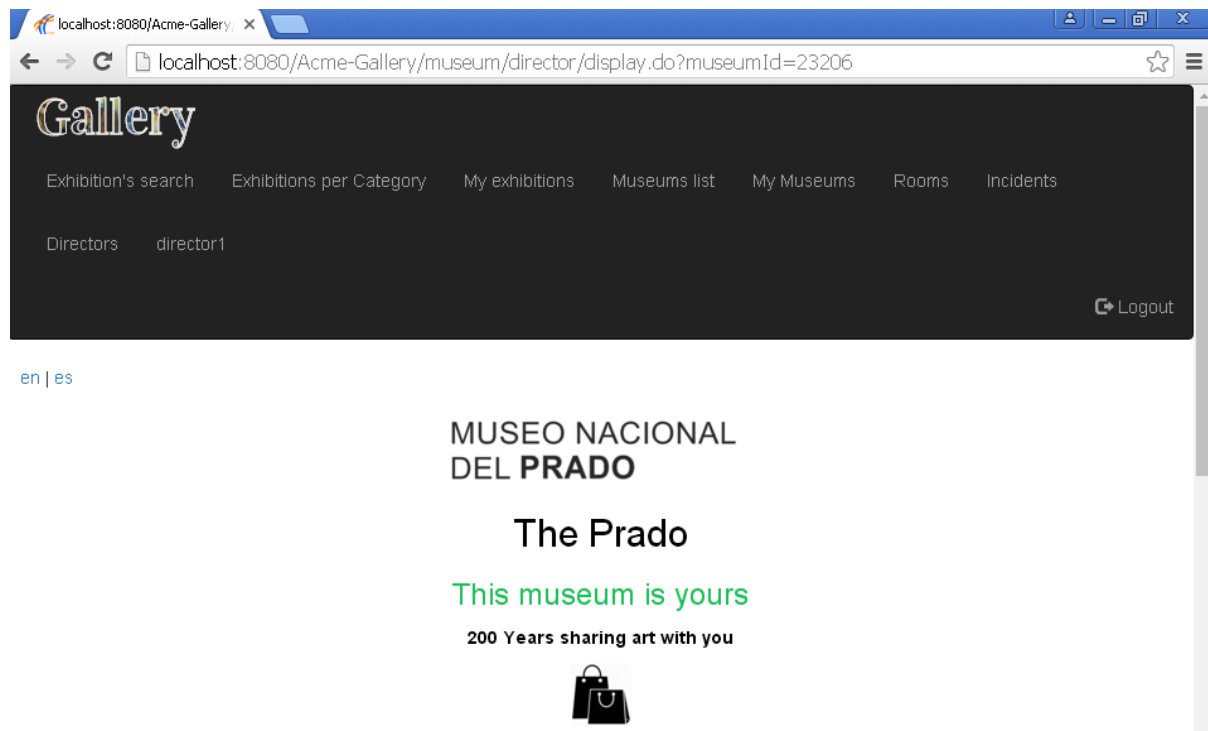
Description

In the display view of a Room, there's a link to display the museum where it belongs. We broke the link ("museum/director/display.do?museumId=****") by changing the value of *museumId* to a random String.

Screenshot of the expected wrong results:



Screenshot of the correct results:



Results

We made it explicit on Test #006 from UC032 to check the museum's link.

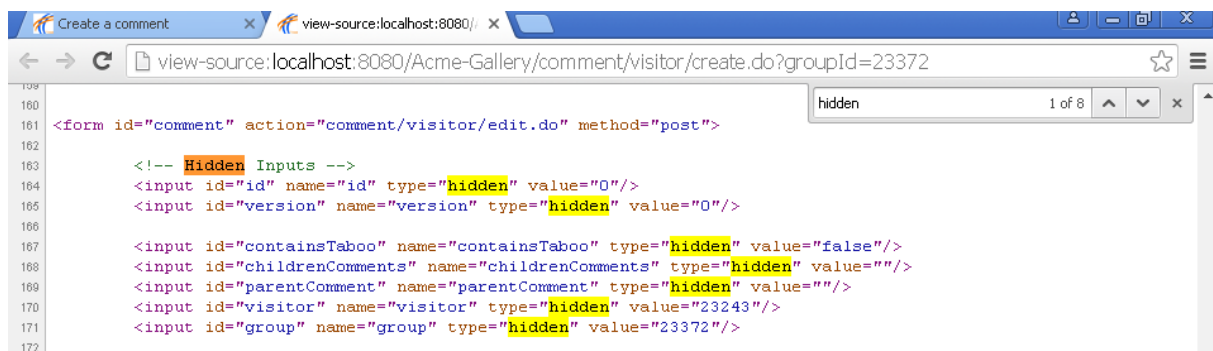
The testers reported on this error and wrote down that the museum's ID wasn't sent through the URL.

Bug in use case 042 – Visitor create a Comment

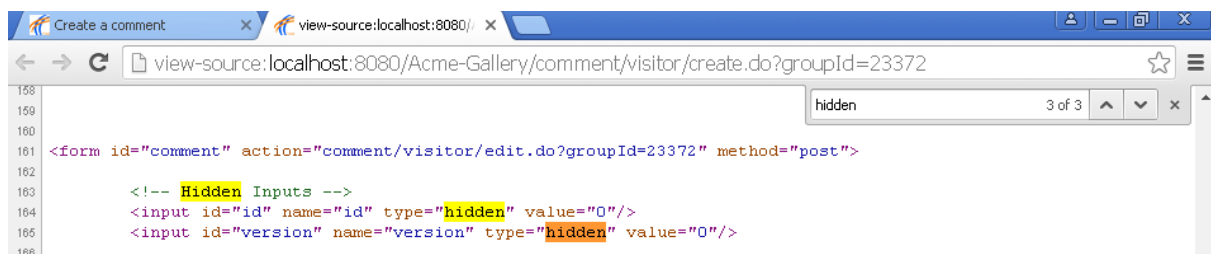
Description

We left some hidden information in the HTML from the view to create a Comment: its containsTaboo, childrenComments, parentComment, visitor and group properties.

Screenshot of the expected wrong results:



Screenshot of the correct results:



Results

We made it explicit on Test #007 from UC042 to search in the HTML for any hidden information.

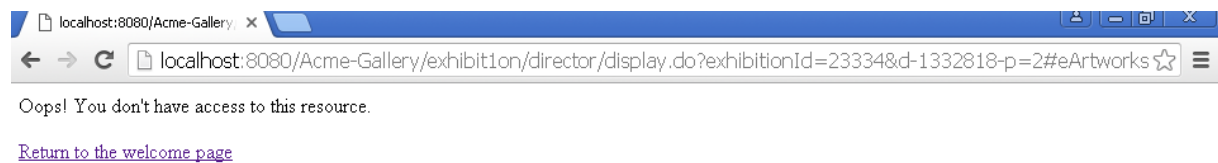
The testers reported on this error and included a screenshot of all the seven hidden inputs in the HTML.

Bug in use case 043 – Visitor buy a day pass for an exhibition

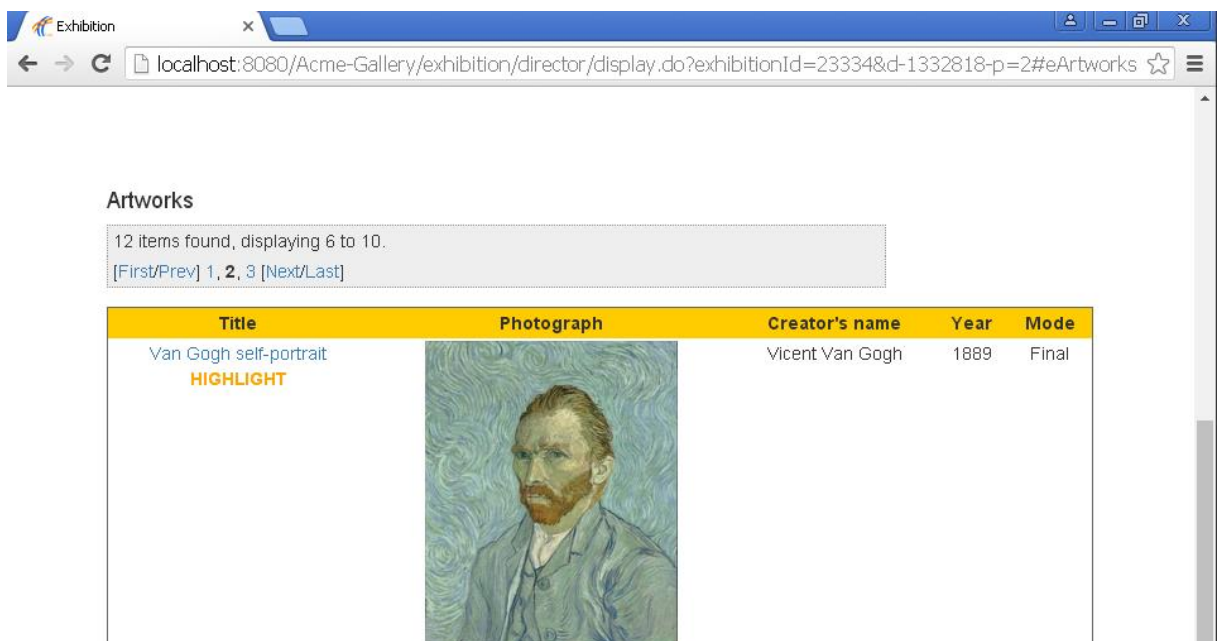
Description

We changed the requestURI attribute from the table of artworks, so that no-one can access to the pagination links because the URLs don't follow a valid pattern (it's written "exh1bition" instead of "exhibition").

Screenshot of the expected wrong results:



Screenshot of the correct results:



Results

We made it explicit on Test #006 from UC043 to check every pagination link.

The testers reported on this error and included a screenshot of the error view.