

Intentional bugs

ACME-NEWSPAPER 2.0

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Testers	Caraballo de la Rosa, Miguel; Morato Fernández, Natalia.
Notes	

Effectiveness
5 intentional bugs found from a total number of 11 intentional bugs: 45,45% found.

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Bug in use case 002 – List and Create Newspapers

Description

We changed the Newspapers' publication date pattern to dd/MM/yyyy hh:mm (es) and MM/dd/yyyy (en) but in the requirements (Acme Newspaper v1.0, information requirement #2) it's said to be only year, month and day.

Screenshot of the expected wrong results:

Newspapers

5 items found, displaying all items.

1

Title	Description	Publication date
New Heart Times	From the depth of our bodies to the chocolate of your hand	10/29/2017 00:00
Gamepolitan	The cake is a lie. Our news, aren't	02/08/2018 00:00
Good Morning World	These news will give you life!	05/21/2017 00:00
Rolling Tones	Discover bops and not flops!	02/21/2018 00:00
ART-NEWS	Life imitates art	02/05/2017 00:00

Screenshot of the correct results:

Newspapers

5 items found, displaying all items.

1

Title	Description	Publication date
New Heart Times	From the depth of our bodies to the chocolate of your hand	10/29/2017
Gamepolitan	The cake is a lie. Our news, aren't	02/08/2018
Good Morning World	These news will give you life!	05/21/2017
Rolling Tones	Discover bops and not flops!	02/21/2018
ART-NEWS	Life imitates art	02/05/2017

Results

We made it explicit on Test #004 from UC002 to check that the pattern was dd/MM/yyyy (es) and MM/dd/yyyy (en).

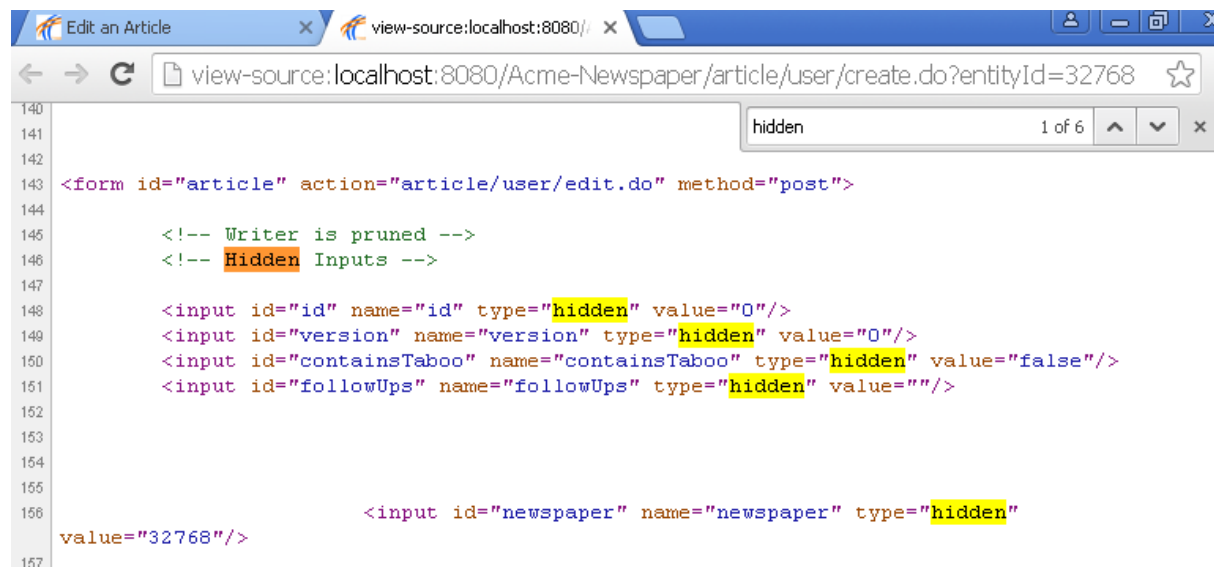
The testers reported on this error specifying the wrong patterns that they found.

Bug in use case 004-1 – Write an Article

Description

We left some hidden information in the HTML from the view to create an Article: its *containsTaboo*, *followUps* and *newspaper* properties.

Screenshot of the expected wrong results:



```
140
141
142
143 <form id="article" action="article/user/edit.do" method="post">
144
145     <!-- Writer is pruned -->
146     <!-- Hidden Inputs -->
147
148     <input id="id" name="id" type="hidden" value="0"/>
149     <input id="version" name="version" type="hidden" value="0"/>
150     <input id="containsTaboo" name="containsTaboo" type="hidden" value="false"/>
151     <input id="followUps" name="followUps" type="hidden" value=""/>
152
153
154
155
156     <input id="newspaper" name="newspaper" type="hidden"
value="32768"/>
157
```

Screenshot of the correct results:



```
146
147
148
149
150 <form id="article" action="article/user/edit.do?entityId=5501" method="post">
151
152     <!-- Writer is pruned -->
153     <!-- Hidden Inputs -->
154
155     <input id="id" name="id" type="hidden" value="0"/>
156     <input id="version" name="version" type="hidden" value="0"/>
157
```

Results

We made it explicit on Test #006 from UC004-1 to search in the HTML for any hidden information.

The testers didn't report on this error and wrote down it worked as expected (no "hidden" information found).

Bug in use case 004-2 – Search Articles

Description

We removed a column from the Article's listings: the newspaper it belongs to, but included that column in the acceptance tests as mandatory information to be shown.

Screenshot of the expected wrong results:

Articles with a

12 items found, displaying 1 to 5.

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

Title	Writer	Summary
Van Gogh resuscitates in Seville	Hana Song	The most visited multisensory exhibition in the world lands for the first time in Spain to present t...
Fajr foreign cineastes visit Louvre Museum show in Tehran	Hana Song	A number of foreign cineastes attending the 36th Fajr International Film Festival visited the Louvre...
Playing video games is good for your brain	Hana Song	Whether playing video games has negative effects is something that has been debated for 30 years, in...
6 Scientific Benefits of Playing Videogames	Hana Song	Not only can gaming be a whole lot of fun, but recent research has revealed there's also a range of ...
Tired of Sucking in 'Overwatch'? Try Cognitive-Behavioral Therapy	Mei-Ling Zhou	A series of bad losses sent an 'Overwatch' player over the edge, until his therapist wife handed him...

Screenshot of the correct results:

Articles with a

6 items found, displaying 1 to 5.

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

Title	Newspaper	Writer	Summary
Underwater melting of Antarctic ice far greater than thought, study finds	Good Morning World	Mei-Ling Zhou	The base of the ice around the south pole shrank by 1,463 square kilometres between 2010 and 2016.
5 Things: All about ice	Good Morning World	Mei-Ling Zhou	Important facts aboout ice and climate change
Environment ministry responds to Aris Oil Company pollution allegations	Good Morning World	Moirá O'Deorain	According to the MET Spokesperson, Romeo Muyunda, after learning about the concerns on 28 March, the...
Here's What a Single Milkshake Does to Your Blood Vessels	New Heart Times	Angela Ziegler	A chocolate milkshake may be bliss for your taste buds, but it's not so good for your blood vessels.
Chocolate Facts	New Heart Times	Angela Ziegler	Chocolate is the most popular sweet treat in the world. People around the world (but mostly in Europ...

Results

We made it explicit on Test #001 from UC004-2 that the listings must show *title*, *summary*, *writer* and *newspaper*.

The testers reported on this error and wrote down that the *newspaper* information was missing.

Bug in use case 009 – Create Chirps

Description

We removed the `@SafeHtml` annotation from the *description* of `domain.Chirp` so that XSS could be carried out on that property. Thus, no error message is shown when you try it.

Screenshot of the expected wrong results:

Edit a Chirp

Title: Insecure HTML

Description:

Save

Cancel

Screenshot of the correct results:

en | es

Edit a Chirp

Title: Insecure HTML

Description: Insecure HTML

Save

Cancel

Results

We made it explicit on Test #004 from UC009 to try XSS in the create of a Chirp by entering “`<script>alert('Hi!');</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 error message was only shown for the *title* property.

Bug in use case 009 – Create Chirps

Description

We left some hidden information in the HTML from the view to create a Chirp: its *user*, *moment* and *containsTaboo* properties.

Screenshot of the expected wrong results:



```
140
141
142
143 <form id="chirp" action="chirp/user/edit.do" method="post">
144
145     <!-- Hidden Inputs -->
146
147     <input id="id" name="id" type="hidden" value="0"/>
148     <input id="version" name="version" type="hidden" value="0"/>
149     <input id="user" name="user" type="hidden" value="5326"/>
150     <input id="moment" name="moment" type="hidden" value="06/05/2018 23:39"/>
151     <input id="containsTaboo" name="containsTaboo" type="hidden" value="false"/>
152
```

Screenshot of the correct results:



```
140
141
142
143 <form id="chirp" action="chirp/user/edit.do" method="post">
144
145     <!-- Hidden Inputs -->
146
147     <input id="id" name="id" type="hidden" value="0"/>
148     <input id="version" name="version" type="hidden" value="0"/>
149
150     <!-- Inputs -->
151
```

Results

We made it explicit on Test #005 from UC009 to search in the HTML for any hidden information.

The testers didn't report on this error and wrote down it worked as expected and none of the following parameters were shown in the view: *id*, *version*, *user*, *moment* and *containsTaboo*.

Bug in use case 010 – List Followers and Follow another User

Description

We removed the sortable attribute from the username and surname columns in the Users' listings, but included that functionalities in the acceptance tests as mandatory.

Screenshot of the expected wrong results:

My followers

3 items found, displaying all items.

1

Name	Surnames	Username	Email
Hana	Song	user2	dva@gmail.com
Jesse	McCree	user3	mccree@gmail.com
Moira	O'Deorain	user4	moira@gmail.com

Screenshot of the correct results:

My followers

3 items found, displaying all items.

1

Name	Surnames	Username	Email
Jesse	McCree	user3	mccree@gmail.com
Moira	O'Deorain	user4	moira@gmail.com
Hana	Song	user2	dva@gmail.com

Results

We made it explicit on Test #003 from UC010 to try sorting for the *surnames* and *username* columns.

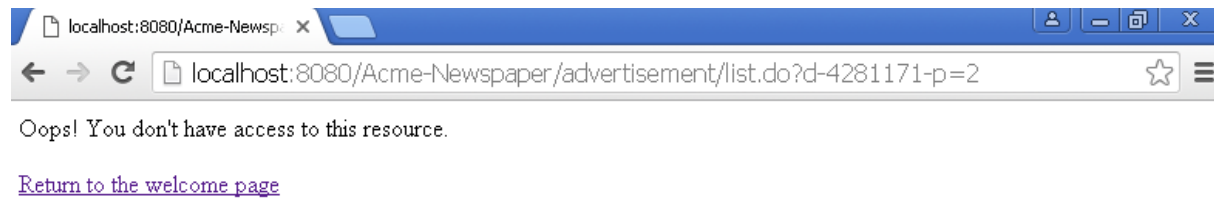
The testers reported on this error and wrote down none of the asked sorting were implemented.

Bug in use case 025 – List taboo Advertisements

Description

We changed the requestURI attribute from the table of taboo Advertisements, so that the administrator didn't have access to the pagination links because the URLs don't follow the pattern "administrator/advertisement/list.do".

Screenshot of the expected wrong results:



Screenshot of the correct results:

A screenshot of a web browser window showing the "Advertisements" page. The address bar shows the URL: localhost:8080/Acme-Newspaper/advertisement/administrator/list.do?d-4281171-p=2. The page title is "Advertisements". Below the title, it says "These are the taboo advertisements:". A message box indicates "6 items found, displaying 6 to 6." with pagination links "[First/Prev] 1, 2 [Next/Last]". Below this is a table with columns "Title", "Banner Image", and "Agent". The table contains one row with the title "a", a banner image for "Indibotica", and the agent "Amélie Lacroix". A "Delete" link is visible next to the agent name.

Title	Banner Image	Agent
a		Amélie Lacroix Delete

Results

We made it explicit on Test #002 from UC025 to check every pagination link.

The testers didn't report on this error and wrote down that the result was the expected (no exception or error thrown).

Bug in use case 025 – List taboo Advertisements



Description

We removed the sortable attribute from the *title* column in the Advertisements' listings, but included that functionality in the acceptance tests as mandatory.

Screenshot of the expected wrong results:

Advertisements



These are the taboo advertisements:

6 items found, displaying 1 to 5. [First/Prev] 1, 2 [Next/Last]		
Title	Banner Image	Agent
Taylor's Swift brand new videoclip: Bad Blood		Amélie Lacroix Delete
Indibotica Pharmacy		Amélie Lacroix Delete

Screenshot of the correct results:

Advertisements

These are the taboo advertisements:

6 items found, displaying 1 to 5. [First/Prev] 1, 2 [Next/Last]		
Title	Banner Image	Agent
Get a free trial of the brand new game: Overwatch		Hanzo Shimanada Delete
Indibotica Pharmacy		Amélie Lacroix Delete

Results

We made it explicit on Test #003 from UC025 to try sorting for the *title* column.

The testers reported on this error and wrote down the asked sorting wasn't implemented.

Bug in use case 030 – Subscribe to a Volume

Description

We changed the URL to which the *cancel* button redirects in the “subscribe to a Volume” view. The wrong URL we used was: “volume/custom3r/display.do?volumeId=*” and the correct one is: “volume/customer/display.do?volumeId=*” (the display of the volume you were going to subscribe to).

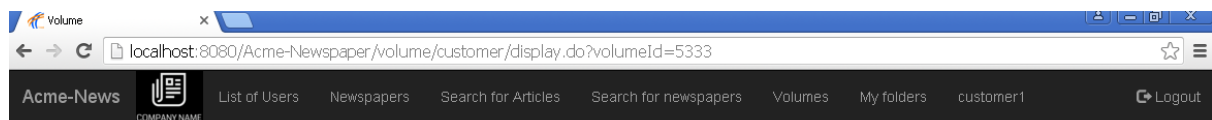
Screenshot of the expected wrong results:



Oops! You don't have access to this resource.

[Return to the welcome page](#)

Screenshot of the correct results:



en | es

Volume

Lifestyle

2017

[Subscribe here!](#)

Learn everything about life

Newspapers included in this Volume

One item found.
1

Title	Description	Publication date
New Heart Times	From the depth of our bodies to the chocolate of your hand	10/29/2017 00:00

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Results

We made it explicit on Test #002 from UC030 to check the cancel button in case you’ve already entered invalid data.

The testers didn’t report on this error and wrote down that the result was the expected (error messages shown and returned to the display view of the volume when pressing the cancel button).

Bug in use case 033 – List and Send Messages

Description

We changed the folder in which the received message is saved when it contains taboo words so that if any actor receives a message that contains taboo words it is received in the *In Box* folder instead of receiving it in the *Spam Box* folder.

Screenshot of the expected wrong results:

Folders

In Box

[Send a new message](#)

Nothing found to display.

Messages:

One item found.

1

Date	×	Sender	×	Subject	×	Priority	×	
05/07/2018 01:11		Scott		sex		NEUTRAL		Details Move Send to trash box

Screenshot of the correct results:

Folders

Spam Box

[Send a new message](#)

Nothing found to display.

Messages:

One item found.

1

Date	×	Sender	×	Subject	×	Priority	×	
05/07/2018 01:11		Scott		sex		NEUTRAL		Details Move Send to trash box

Results

We made it explicit on Test #007 from UC033 to check that if you send a message containing a taboo word, like “sex”, in its subject or body, the receiver should get the message in her *Spam Box*.

The testers didn’t report on this error and wrote down that the result was the expected (sender gets the message in the *Out Box* and recipient in the *Spam Box*).

Bug in Additional tests

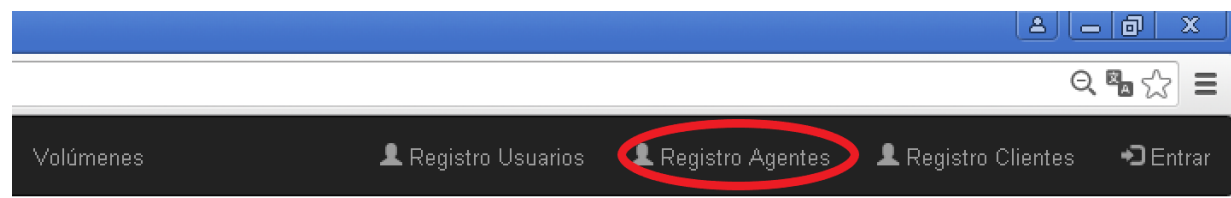
Description

We wrote a random message in English for one of the options of the Spanish menu.

Screenshot of the expected wrong results:



Screenshot of the correct results:



Results

We made it explicit on Test #900 from the Additional test to try the system in Spanish and check that all the messages were written in Spanish.

The testers didn't report on this error and wrote down that the messages were shown in Spanish.