

Acceptance tests

ACME-GALLERY 1.0

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Use case 001 Administrator Display Dashboard

Description

An administrator wants to display a dashboard where detailed information of the system is shown. In order to do so, she or he logs in and displays the view.

Access

“Main Menu > Login” - to access to the system

“Main Menu > Dashboard” - to display the dashboard with information

Tests

| Test #001 | |
|-------------|--|
| Description | You must log in as an Administrator and display the system's dashboard |
| Expected | <p>The view should contain the following information:</p> <ul style="list-style-type: none">- The average, the minimum, the maximum and the standard deviation for the number of museums managed per director.- The average ratio of private vs public exhibitions per museum, having at least one public exhibition.- The top 5 more visited private exhibitions.- The average, the minimum, the maximum and the standard deviation of the price of the private day passes.- The average, the minimum, the maximum and the standard deviation for the number of day passes sold per museum.- The ratio of sponsorships with status 'REJECTED'.- The ratio of sponsorships with status 'ACCEPTED'.- The listing of exhibitions that have at least 10% more sponsorships than the average.- The top 3 guides with less exhibitions.- The average and the standard deviation of the number of critiques per exhibition.- The average and the standard deviation of the number of artworks per exhibition.- The ratio of banned visitors.- The ratio of banned sponsors.- The average and the standard deviation of the number of participants per open group.- The ratio of visitors who have ever created a group.- The groups whose number of announcements is above 75% the average number of announcements per group.- The average and the standard deviation of replies per comment.- The ratio of museums with a gift store.- The 3 museums with more high-severity incidents. |

| | |
|----------------|--|
| | Furthermore, information regarding prices should be correctly internationalized. Regarding dates, the format must be the following: dd/MM/YYYY hh:mm or MM/dd/YYYY hh:mm (depending on the language) |
| Outcome | |
| Notes | |

| Test #002 | |
|--------------------|--|
| Description | <p>You must log in as an Administrator and display the system's dashboard.</p> <p>For the <i>"Top 5 more visited private exhibitions"</i> table, you must check that it displays the following information and it does so correctly:</p> <ul style="list-style-type: none"> - Title - Description - Price - Dates (which must be highlighted as "Passed" in case the ending date is in the past. <p>Furthermore, you must check that at most 5 items are displayed and no pagination links appear.</p> |
| Expected | All the information detailed above is shown in the table and is rendered properly. No more than 5 items appear in the listing and thus, no pagination link appears. |
| Outcome | |
| Notes | |

| Test #003 | |
|--------------------|--|
| Description | <p>You must log in as an Administrator and display the system's dashboard</p> <p>For the <i>"Exhibitions with 10% more sponsorships than the average"</i> table, you must check that it displays the following information and it does so correctly:</p> <ul style="list-style-type: none"> - Title - Description - Price - Dates (which must be highlighted as "Passed" in case the ending date is in the past. |
| Expected | All the information detailed above is shown in the table and is rendered properly. |
| Outcome | |
| Notes | |

| Test #004 | |
|-------------|--|
| Description | <p>You must log in as an Administrator and display the system's dashboard</p> <p>For the <i>"Exhibitions with 10% more sponsorships than the average"</i> table, you must click on all of the pagination links that are shown: "First", "Prev", "Next" and "Last".</p> |
| Expected | <i>No exception or error should be thrown.</i> |
| Outcome | |
| Notes | |

| Test #005 | |
|-------------|--|
| Description | <p>You must log in as an Administrator and display the system's dashboard.</p> <p>For the <i>"Top 3 guides with more exhibitions"</i> table, you must check that it displays the following information and it does so correctly:</p> <ul style="list-style-type: none"> - Name - Surnames - Email <p>Furthermore, you must check that at most 3 items are displayed and no pagination links appear.</p> |
| Expected | <p>All the information detailed above is shown in the table and is rendered properly.</p> <p>No more than 3 items appear in the listing and thus, no pagination link appears.</p> |
| Outcome | |
| Notes | |

| Test #006 | |
|-------------|--|
| Description | <p>You must log in as an Administrator and display the system's dashboard.</p> <p>For the <i>"Groups with 75% more announcements than the average"</i> table, you must check that it displays the following information and it does so correctly:</p> <ul style="list-style-type: none"> - Name - Creation Moment - Meeting Date - Group Type - Creator - Museum <p>Furthermore, you must check that at most 3 items are displayed and no pagination links appear.</p> |
| Expected | All the information detailed above is shown in the table and is rendered properly. |
| Outcome | |
| Notes | |

| Test #007 | |
|--------------------|--|
| Description | <p>You must log in as an Administrator and display the system's dashboard</p> <p>For the <i>"Groups with 75% more announcements than the average"</i> table, you must click on all of the pagination links that are shown: "First", "Prev", "Next" and "Last".</p> |
| Expected | <i>No exception or error should be thrown.</i> |
| Outcome | |
| Notes | |

| Test #008 | |
|--------------------|--|
| Description | <p>You must log in as an Administrator and display the system's dashboard.</p> <p>For the <i>"Top 3 museums with more high-level incidents:"</i> table, you must check that it displays the following information and it does so correctly:</p> <ul style="list-style-type: none"> - Unique ID - Name - Slogan - Price - Address - Email <p>Furthermore, you must check that at most 3 items are displayed and no pagination links appear.</p> |
| Expected | <p>All the information detailed above is shown in the table and is rendered properly.</p> <p>No more than 3 items appear in the listing and thus, no pagination link appears.</p> |
| Outcome | |
| Notes | |

| Test #009 | |
|--------------------|--|
| Description | You must repeat all tests of this UC 001, but now using the system in Spanish. |
| Expected | All messages should be shown in Spanish. |
| Outcome | |
| Notes | |

Use case 002 Search for Exhibitions

Description

A user who logs in to the system wants to search for exhibitions available in the system. In order to do so, she/he (optionally) have to authenticate in the system, get to the exhibition browser, insert a keyword (optionally) and then display any exhibition in order to get some extra information.

Access

“Main Menu > Login” – to authenticate in the system

“Main Menu > Exhibition’s Search” – to search for exhibitions

Tests

| Test #001 | |
|--------------------|---|
| Description | You must log in to the system as an unauthenticated user. Then, in the exhibition browser, search for “gogh”. Repeat this process with the following users: visitor1/visitor1, guide1/guide1, director1/director1, sponsor1/sponsor1, critic1/critic1, admin/admin. |
| Expected | You should get only one result, which is “Van Gogh Alive”, with ticker “director1-VanGA”. This table should contain the following columns: Ticker, Title, Museum, Starting Date, Ending Date, Price. For every actor you should get the same results. |
| Outcome | |
| Notes | URL to login into the system (In case necessary): security/login.do URL to browse exhibitions (In case necessary): exhibition/{user}/search.do |

| Test #002 | |
|--------------------|---|
| Description | You must log in to the system as an unauthenticated user. Then, in the exhibition browser and click on search (without introducing any word). Repeat this process with the following users: visitor1/visitor1, guide1/guide1, director1/director1, sponsor1/sponsor1, critic1/critic1, admin/admin. |
| Expected | You should get 14 results. This table should contain the following columns: Ticker, Title, Museum, Starting Date, Ending Date, Price. For every actor you should get the same results. |
| Outcome | |
| Notes | URL to login into the system (In case necessary): security/login.do URL to browse exhibitions (In case necessary): exhibition/{user}/search.do |

| Test #003 | |
|--------------------|--|
| Description | You must log in to the system as an unauthenticated user. Then, in the exhibition browser and click on search (without introducing any word). As soon as you get the list of results. Click on the pagination links. |
| Expected | You should get 14 results. As soon as you click in any of the pagination links, you should get another list of 5 or less exhibitions. |
| Outcome | |
| Notes | URL to login into the system (In case necessary): security/login.do URL to browse exhibitions (In case necessary): exhibition/{user}/search.do |

| Test #004 | |
|--------------------|--|
| Description | You must log in to the system as an unauthenticated user. Then, in the exhibition browser and click on search (without introducing any word). Check the ticker column. |
| Expected | You should get 14 results. Check that the tickers for the exhibitions have the following pattern: {username}-{word}. |
| Outcome | |
| Notes | URL to login into the system (In case necessary): security/login.do URL to browse exhibitions (In case necessary): exhibition/{user}/search.do |

| Test #005 | |
|--------------------|---|
| Description | You must log in to the system as an unauthenticated user. Then, in the exhibition browser and click on search (without introducing any word). Check the Title column. |
| Expected | You should get 14 results. Click on any of the titles of the exhibitions and check that it redirects you correctly to the display view of the exhibition. |
| Outcome | |
| Notes | URL to login into the system (In case necessary): security/login.do URL to browse exhibitions (In case necessary): exhibition/{user}/search.do |

| Test #006 | |
|--------------------|--|
| Description | You must log in to the system as an unauthenticated user. Then, in the exhibition browser and click on search (without introducing any word). Check the Museum column. |
| Expected | You should get 14 results. Click on the name of the museum of the exhibition and check that it redirects you correctly to the display view of the museum. |
| Outcome | |
| Notes | URL to login into the system (In case necessary): security/login.do URL to browse exhibitions (In case necessary): exhibition/{user}/search.do |

| Test #007 | |
|--------------------|--|
| Description | You must log in to the system as an unauthenticated user. Then, in the exhibition browser and click on search (without introducing any word). Check the starting date and ending date columns. |
| Expected | You should get 14 results. Check that the dates have the following pattern: MM/dd/yyyy hh:mm for English and dd/MM/yyyy hh:mm for Spanish. |
| Outcome | |
| Notes | URL to login into the system (In case necessary): security/login.do URL to browse exhibitions (In case necessary): exhibition/{user}/search.do |

| Test #008 | |
|--------------------|---|
| Description | You must log in to the system as an unauthenticated user. Then, in the exhibition browser and click on search (without introducing any word). Check the price column. |
| Expected | You should get 14 results. Check that the pattern for the price is €xx.xx in English and xx,xx€ in Spanish. |
| Outcome | |
| Notes | URL to login into the system (In case necessary): security/login.do URL to browse exhibitions (In case necessary): exhibition/{user}/search.do |

| Test #009 | |
|--------------------|---|
| Description | You must log in to the system as an unauthenticated user. Then, in the exhibition browser, search for “van gogh”. Click on the title of “Van Gogh Alive” and display the view of the exhibition. |
| Expected | The view of the exhibition should contain the following information: A (optionally) sponsorship banner, the title of the exhibition, a section with general information (starting and ending date, museum, type of exhibition, price, ticker, a set of websites and the category), a description, a list of artworks, a list of critiques and a list of guides. |
| Outcome | |
| Notes | <p>URL to login into the system (In case necessary): security/login.do</p> <p>URL to browse exhibitions (In case necessary): exhibition/{user}/search.do</p> <p>URL to display exhibitions (In case necessary): exhibition/{user}/display.do?exhibitionId=</p> |

| Test #010 | |
|-------------|--|
| Description | <p>You must log in to the system as an unauthenticated user. Then, in the exhibition browser, search for “van gogh”. Click on the title of “Van Gogh Alive” and display the view of the exhibition. Check the following things:</p> <ul style="list-style-type: none"> - Click on the sponsorship banner. - Click on the museum’s name - Check the starting and ending dates. - Check the price of the exhibition. - Check the ticker of the exhibition. - Click on the category of the exhibition. |
| Expected | <p>The expected results are the following:</p> <ul style="list-style-type: none"> - When you click on the sponsorship banner (which is on top of the title), the system should redirect you to an external website. - When you click on the name of the museum it should redirect you to the display of the museum - The starting date and ending date must follow the pattern MM/dd/yyyy hh:mm in English and dd/MM/yyyy hh:mm in Spanish - The price must follow the pattern €xx.xx in English and xx,xx€ in Spanish - The ticker must follow the pattern {username}–{word} - When you click on the category, it should correctly redirect you to the display of that category |
| Outcome | |
| Notes | <p>URL to login into the system (In case necessary): security/login.do</p> <p>URL to browse exhibitions (In case necessary): exhibition/{user}/search.do</p> <p>URL to display exhibitions (In case necessary): exhibition/{user}/display.do?exhibitionId=</p> |

| Test #011 | |
|--------------------|---|
| Description | <p>You must log in to the system as an unauthenticated user. Then, in the exhibition browser, search for “van gogh”. Click on the title of “Van Gogh Alive” and display the view of the exhibition. Go to the artworks section and check the following:</p> <ul style="list-style-type: none"> - Click on any of the pagination links - Click on any of the names of the artworks |
| Expected | <p>The expected results are the following:</p> <ul style="list-style-type: none"> - When you click on any of the pagination links, the system must show a list of other 5 artworks - When you click on the name of the artwork, the system must redirect you to the display view of the artwork. |
| Outcome | |
| Notes | <p>URL to login into the system (In case necessary): security/login.do</p> <p>URL to browse exhibitions (In case necessary): exhibition/{user}/search.do</p> <p>URL to display exhibitions (In case necessary): exhibition/{user}/display.do?exhibitionId=</p> |

| Test #012 | |
|--------------------|---|
| Description | <p>You must log in to the system as an unauthenticated user. Then, in the exhibition browser, search for “van gogh”. Click on the title of “Van Gogh Alive” and display the view of the exhibition. Go to the critics’ section and check the following:</p> <ul style="list-style-type: none"> - Click on any of the pagination links - Click on any of the titles of the critics |
| Expected | <p>The expected results are the following:</p> <ul style="list-style-type: none"> - When you click on any of the pagination links, the system must show a list of other (5 as maximum) critics - When you click on the title of the critic, the system must redirect you to the display view of the critic. |
| Outcome | |
| Notes | <p>URL to login into the system (In case necessary): security/login.do</p> <p>URL to browse exhibitions (In case necessary): exhibition/{user}/search.do</p> <p>URL to display exhibitions (In case necessary): exhibition/{user}/display.do?exhibitionId=</p> |

| Test #013 | |
|--------------------|---|
| Description | You must log in to the system as an unauthenticated user. Then, in the exhibition browser, search for “van gogh”. Click on the title of “Van Gogh Alive” and display the view of the exhibition. Go to the guides section and check the following: <ul style="list-style-type: none"> - Click on any of the pagination links |
| Expected | The expected results are the following: <ul style="list-style-type: none"> - When you click on any of the pagination links, the system must show a list of other (5 as maximum) guides |
| Outcome | |
| Notes | URL to login into the system (In case necessary): security/login.do URL to browse exhibitions (In case necessary): exhibition/{user}/search.do URL to display exhibitions (In case necessary): exhibition/{user}/display.do?exhibitionId= |

| Test #014 | |
|--------------------|--|
| Description | Repeat the entire UC-002 but now with the language in Spanish. |
| Expected | Make sure that all the information is translated into Spanish except for the messages created by users. |
| Outcome | |
| Notes | URL to login into the system (In case necessary): security/login.do URL to browse exhibitions (In case necessary): exhibition/{user}/search.do URL to display exhibitions (In case necessary): exhibition/{user}/display.do?exhibitionId= |

Use case 003 Register as a Sponsor

Description

A non-authenticated user wants to register herself into the system as a Sponsor. In order to do so, the user firstly displays the registration form and then enters the necessary data.

Access

In the menu, “Sponsor Sign Up” – to access the Sponsors registration form.

Tests

| Test #001 | |
|--------------------|---|
| Description | <p>You must display the Sponsors registration form.</p> <p>Assert that the form shows the following information:</p> <ul style="list-style-type: none">- Username.- Password.- Repeated password.- Name.- Surnames.- Email.- Phone Number.- Address.- Gender.- Terms and Conditions’ checkbox. |
| Expected | All of the information detailed above should be shown. |
| Outcome | |
| Notes | URL to register as a Sponsor (in case necessary): sponsor/register.do |

| Test #002 | |
|-------------------------|--|
| Description | <p>You must display the Sponsors registration form.</p> <p>Enter the following information:</p> <ul style="list-style-type: none"> - Username: "" - Password: "abcde" - Repeated password: "abcde" - Name: "" - Surnames: "" - Email: "" - Phone Number: "" - Address: "" - Gender: "----" - Terms and Conditions' checkbox: Check it. <p>Now try to save the Sponsor.</p> <p>Once the errors are shown, click on the "Cancel" button.</p> |
| Expected Outcome | You should be redirected to the welcome view. |
| Notes | URL to register as a Sponsor (in case necessary): sponsor/register.do |

| Test #003 | |
|-------------------------|--|
| Description | <p>You must display the Sponsors registration form.</p> <p>Enter the following information:</p> <ul style="list-style-type: none"> - Username: "" - Password: "abcde" - Repeated password: "abcde" - Name: "" - Surnames: "" - Email: "" - Phone Number: "" - Address: "" - Gender: "----" - Terms and Conditions' checkbox: Check it. <p>Now try to save the Sponsor.</p> |
| Expected Outcome | You should get a "Size must be from 5 to 32" error in the username field, a "Must not be blank" error in the name, surnames, email and phone number fields, and a "Does not match pattern" error in the phone number field. |
| Notes | URL to register as a Sponsor (in case necessary): sponsor/register.do |

| Test #004 | |
|--------------------|---|
| Description | <p>You must display the Sponsors registration form.</p> <p>Enter the following information:</p> <ul style="list-style-type: none"> - Username: "<script>alert('hacked!');</script>" - Password: "<script>alert('hacked!');</script>" - Repeated password: "<script>alert('hacked!');</script>" - Name: "<script>alert('hacked!');</script>" - Surnames: "<script>alert('hacked!');</script>" - Email: "<script>alert('hacked!');</script>" - Phone Number: "<script>alert('hacked!');</script>" - Address: "<script>alert('hacked!');</script>" - Gender: "Other" - Terms and Conditions' checkbox: Check it. <p>Now try to save the Sponsor.</p> |
| Expected | <p>An "Insecure HTML" error should be shown for fields: username, password, repeated password, name, surnames and address.</p> <p>A "Size must be from 5 to 32" error should be shown for fields: username, password, repeated password.</p> <p>An "Invalid email" error should be shown for the email field.</p> <p>A "Does not match pattern" error should be shown for the phone number field.</p> |
| Outcome | |
| Notes | URL to register as a Sponsor (in case necessary): sponsor/register.do |

| Test #005 | |
|--------------------|--|
| Description | <p>You must display the Sponsors registration form.</p> <p>Now register several times with correct data until you've tested all the options in the "Gender" dropdown list.</p> |
| Expected | No error should be shown for any of the "Gender" options. |
| Outcome | |
| Notes | URL to register as a Sponsor (in case necessary): sponsor/register.do |

| Test #006 | |
|--------------------|--|
| Description | <p>You must display the Sponsors registration form.</p> <p>Now inspect the HTML code (Ctrl +U, if you are using Google Chrome). Look for any "hidden" information in the HTML.</p> |
| Expected | Only a hidden input named "_acceptedTerms" should be found. |
| Outcome | |
| Notes | URL to register as a Sponsor (in case necessary): sponsor/register.do |

| Test #007 | |
|--------------------|---|
| Description | <p>You must display the Sponsors registration form.</p> <p>Enter a username that already exists in the “Username” field (that is, for example “sponsor1”). Then provide correct data for the rest of the fields, accept “Terms and Conditions” checkbox and hit “Save”.</p> |
| Expected | The system must reject the operation and prompt an error message below the form: “Username is already in use” |
| Outcome | |
| Notes | URL to register as a Sponsor (in case necessary): sponsor/register.do |

| Test #008 | |
|--------------------|--|
| Description | You must repeat all tests of this UC 003, but now using the system in Spanish. |
| Expected | All messages should be shown in Spanish. |
| Outcome | |
| Notes | URL to register as a Sponsor (in case necessary): sponsor/register.do |

Use case 004 Register as a Visitor

Description

A non-authenticated user wants to register herself into the system as a Visitor. In order to do so, the user firstly displays the registration form and then enters the necessary data.

Access

In the menu, “Visitor Sign Up” – to access the Visitors registration form.

Tests

| Test #001 | |
|--------------------|---|
| Description | <p>You must display the Visitors registration form.</p> <p>Assert that the form shows the following information:</p> <ul style="list-style-type: none">- Username.- Password.- Repeated password.- Name.- Surnames.- Email.- Phone Number.- Address.- Gender.- Terms and Conditions' checkbox. |
| Expected | All of the information detailed above should be shown. |
| Outcome | |
| Notes | URL to register as a Visitor (in case necessary): visitor/register.do |

| Test #002 | |
|-------------------------|--|
| Description | <p>You must display the Visitors registration form.</p> <p>Enter the following information:</p> <ul style="list-style-type: none"> - Username: "" - Password: "abcde" - Repeated password: "abcde" - Name: "" - Surnames: "" - Email: "" - Phone Number: "" - Address: "" - Gender: "----" - Terms and Conditions' checkbox: Check it. <p>Now try to save the Visitor.</p> <p>Once the errors are shown, click on the "Cancel" button.</p> |
| Expected Outcome | You should be redirected to the welcome view. |
| Notes | <p>URL to register as a Visitor (in case necessary):</p> <p>visitor/register.do</p> |

| Test #003 | |
|-------------------------|--|
| Description | <p>You must display the Visitors registration form.</p> <p>Enter the following information:</p> <ul style="list-style-type: none"> - Username: "" - Password: "abcde" - Repeated password: "abcde" - Name: "" - Surnames: "" - Email: "" - Phone Number: "" - Address: "" - Gender: "----" - Terms and Conditions' checkbox: Check it. <p>Now try to save the Visitor.</p> |
| Expected Outcome | You should get a "Size must be from 5 to 32" error in the username field, a "Must not be blank" error in the name, surnames, email and phone number fields, and a "Does not match pattern" error in the phone number field. |
| Notes | <p>URL to register as a Visitor (in case necessary):</p> <p>visitor/register.do</p> |

| Test #004 | |
|--------------------|---|
| Description | <p>You must display the Visitors registration form.</p> <p>Enter the following information:</p> <ul style="list-style-type: none"> - Username: "<script>alert('hacked!');</script>" - Password: "<script>alert('hacked!');</script>" - Repeated password: "<script>alert('hacked!');</script>" - Name: "<script>alert('hacked!');</script>" - Surnames: "<script>alert('hacked!');</script>" - Email: "<script>alert('hacked!');</script>" - Phone Number: "<script>alert('hacked!');</script>" - Address: "<script>alert('hacked!');</script>" - Gender: "Other" - Terms and Conditions' checkbox: Check it. <p>Now try to save the Visitor.</p> |
| Expected | <p>An "Insecure HTML" error should be shown for fields: username, password, repeated password, name, surnames and address.</p> <p>A "Size must be from 5 to 32" error should be shown for fields: username, password, repeated password.</p> <p>An "Invalid email" error should be shown for the email field.</p> <p>A "Does not match pattern" error should be shown for the phone number field.</p> |
| Outcome | |
| Notes | <p>URL to register as a Visitor (in case necessary):</p> <p>visitor/register.do</p> |

| Test #005 | |
|--------------------|--|
| Description | <p>You must display the Visitors registration form.</p> <p>Now register several times with correct data until you've tested all the options in the "Gender" dropdown list.</p> |
| Expected | No error should be shown for any of the "Gender" options. |
| Outcome | |
| Notes | <p>URL to register as a Visitor (in case necessary):</p> <p>visitor/register.do</p> |

| Test #006 | |
|--------------------|--|
| Description | <p>You must display the Visitors registration form.</p> <p>Now inspect the HTML code (Ctrl +U, if you are using Google Chrome). Look for any "hidden" information in the HTML.</p> |
| Expected | Only a hidden input named "_acceptedTerms" should be found. |
| Outcome | |
| Notes | <p>URL to register as a Visitor (in case necessary):</p> <p>visitor/register.do</p> |

| Test #007 | |
|--------------------|---|
| Description | <p>You must display the Visitors registration form.</p> <p>Enter a username that already exists in the “Username” field (that is, for example “visitor1”). Then provide correct data for the rest of the fields, accept “Terms and Conditions” checkbox and hit “Save”.</p> |
| Expected | The system must reject the operation and prompt an error message below the form: “Username is already in use” |
| Outcome | |
| Notes | <p>URL to register as a Visitor (in case necessary):</p> <p>visitor/register.do</p> |

| Test #008 | |
|--------------------|---|
| Description | You must repeat all tests of this UC 004, but now using the system in Spanish. |
| Expected | All messages should be shown in Spanish. |
| Outcome | |
| Notes | <p>URL to register as a Visitor (in case necessary):</p> <p>visitor/register.do</p> |

Use case 005 Administrator Delete announcement

Description

An administrator wants to delete any announcement in the system. In order to do so, she/he must log in to the system as an administrator, then he/she must list the taboo announcements, and delete one of them.

Access

“Main Menu > Login” – to authenticate in the system

“Main Menu > Tabooed Announcements” – to list tabooed announcements

Tests

| Test #001 | |
|-------------|---|
| Description | You must log in as admin/admin. Then, click on “Tabooed Announcements” on the main menu. On the first announcement of the list, click on delete. |
| Expected | The system must show a list of 6 announcements in which only 5 of them are being displayed at that moment. As soon as you click on delete, the system must redirect you to the same page again, and the recently-deleted announcement shouldn’t be there anymore. |
| Outcome | |
| Notes | URL to login into the system (In case necessary): security/login.do URL to list tabooed announcements (In case necessary): announcement/administrator/list.do?listTabooed=true |

| Test #002 | |
|-------------|--|
| Description | You must log in as admin/admin. Then, click on “Tabooed Announcements” on the main menu. Check the pagination links. |
| Expected | As soon as you click on any of the pagination links, the system must show you the same table with different announcements. |
| Outcome | |
| Notes | You must populate the database to have at least 6 elements in the table in order to check the pagination. URL to login into the system (In case necessary): security/login.do URL to list tabooed announcements (In case necessary): announcement/administrator/list.do?listTabooed=true |

| Test #003 | |
|--------------------|---|
| Description | You must log in as admin/admin. Then, click on “Tabooed Announcements” on the main menu. Check the creation moment. |
| Expected | The creation moment should follow the following pattern: MM/dd/yyyy hh:mm in English and dd/MM/yyyy hh:mm in Spanish. |
| Outcome | |
| Notes | URL to login into the system (In case necessary): security/login.do URL to list tabooed announcements (In case necessary): announcement/administrator/list.do?listTabooed=true |

| Test #004 | |
|--------------------|---|
| Description | You must log in as admin/admin. Then, click on “Tabooed Announcements” on the main menu. Check the picture column. |
| Expected | Check that when an announcement doesn’t have a picture, there is a blank space in the column. |
| Outcome | |
| Notes | URL to login into the system (In case necessary): security/login.do URL to list tabooed announcements (In case necessary): announcement/administrator/list.do?listTabooed=true |

| Test #005 | |
|--------------------|--|
| Description | You must log in as admin/admin. Then, click on “Tabooed Announcements” on the main menu. On the “Delete” link, copy the URL, change the id of the announcement for “1” and enter the URL in the browser. |
| Expected | There should appear a Panic view, which indicates: IllegalArgumentException |
| Outcome | |
| Notes | URL to login into the system (In case necessary): security/login.do URL to list tabooed announcements (In case necessary): announcement/administrator/list.do?listTabooed=true |

Use case 006 Administrator create Category

Description

An Administrator wants to add a new Category to the existing tree of Categories. In order to do so, the user logs in to the system as an Administrator, displays the root Category and creates a new one.

Access

In the menu, "Login" – to access the system.

In the menu, "Categories" – to access the display of the root Category.

In the Category display, "Create a new Category" – to add a child Category to the Category you are displaying.

Tests

| Test #001 | |
|--------------------|---|
| Description | You must log in as an Administrator, display the root Category and click on the link to create a new Category. Assert that the form shows the following information: <ul style="list-style-type: none">- Name. |
| Expected | All of the information detailed above should be shown. |
| Outcome | |
| Notes | URL to create a Category (in case necessary): category/administrator/create.do?parentCategoryId= |

| Test #002 | |
|--------------------|--|
| Description | You must log in as an Administrator, display the root Category and click on the link to create a new Category. Enter the following information: <ul style="list-style-type: none">- Name: "" Now try to save the Category. Once the errors are shown, click on the "Cancel" button. |
| Expected | You should be redirected to the display view of the category you were creating a child Category for. |
| Outcome | |
| Notes | URL to create a Category (in case necessary): category/administrator/create.do?parentCategoryId= |

| Test #003 | |
|--------------------|---|
| Description | <p>You must log in as an Administrator, display the root Category and click on the link to create a new Category.</p> <p>Enter the following information:</p> <ul style="list-style-type: none"> - Name: "" <p>Now try to save the Category.</p> |
| Expected | You should get a "Must not be blank" error in the name field. |
| Outcome | |
| Notes | <p>URL to create a Category (in case necessary):</p> <p>category/administrator/create.do?parentCategoryId=</p> |

| Test #004 | |
|--------------------|---|
| Description | <p>You must log in as an Administrator, display the root Category and click on the link to create a new Category.</p> <p>Enter the following information:</p> <ul style="list-style-type: none"> - Name: "CATEGORY" <p>Now try to save the Category.</p> |
| Expected | You should get a "Could not commit this operation" error. |
| Outcome | |
| Notes | <p>URL to create a Category (in case necessary):</p> <p>category/administrator/create.do?parentCategoryId=</p> |

| Test #005 | |
|--------------------|---|
| Description | <p>You must log in as an Administrator, display the root Category and click on the link to create a new Category.</p> <p>Enter the following information:</p> <ul style="list-style-type: none"> - Name: "Paintings" <p>Make sure that there exists a child Category named like that in the Category you are creating a child Category for.</p> <p>Now try to save the Category.</p> |
| Expected | You should get a "Could not commit this operation" error. |
| Outcome | |
| Notes | <p>URL to create a Category (in case necessary):</p> <p>category/administrator/create.do?parentCategoryId=</p> |

| Test #006 | |
|--------------------|---|
| Description | <p>You must log in as an Administrator, display the root Category and click on the link to create a new Category.</p> <p>Enter the following information:</p> <ul style="list-style-type: none"> Name: "<script>alert('hacked!');</script>" <p>Now try to save the Category.</p> |
| Expected | An "Insecure HTML" error should be shown for the name field. |
| Outcome | |
| Notes | <p>URL to create a Category (in case necessary):</p> <p>category/administrator/create.do?parentCategoryId=</p> |

| Test #007 | |
|--------------------|---|
| Description | <p>You must log in as an Administrator, display the root Category and click on the link to create a new Category.</p> <p>Now inspect the HTML code (Ctrl + U, if you are using Google Chrome). Look for any "hidden" information in the HTML.</p> |
| Expected | Only a hidden input named "parentCategory" should be found. |
| Outcome | |
| Notes | <p>URL to create a Category (in case necessary):</p> <p>category/administrator/create.do?parentCategoryId=</p> |

| Test #008 | |
|--------------------|---|
| Description | <p>You must log in as an Administrator.</p> <p>Now try to create a Category for a made-up parent Category, using a made up "parentCategoryId" parameter in the URL:</p> <p>"category/administrator/create.do?parentCategoryId="</p> |
| Expected | A panic view should be shown. |
| Outcome | |
| Notes | <p>URL to create a Category (in case necessary):</p> <p>category/administrator/create.do?parentCategoryId=</p> |

| Test #009 | |
|--------------------|--|
| Description | You must repeat all tests of this UC 006, but now using the system in Spanish. |
| Expected | All messages should be shown in Spanish. |
| Outcome | |
| Notes | <p>URL to create a Category (in case necessary):</p> <p>category/administrator/create.do?parentCategoryId=</p> |

Use case 007 Administrator delete Category

Description

An Administrator wants to delete an existing Category from the tree of Categories. In order to do so, the user logs in to the system as an Administrator, displays the root Category and deletes the child Category she is looking for.

Access

In the menu, “Login” – to access the system.

In the menu, “Categories” – to access the display of the root Category.

In the Category display, “Delete” link next to a Category – to remove it.

Tests

| Test #001 | |
|-------------|--|
| Description | You must log in as an Administrator and display the root Category. |
| | Now delete a Category by clicking on the “Delete” link next to it. |
| Expected | The selected Category and its children Categories are deleted. The exhibitions that belonged to the deleted Category or its children now belong to the parent Category of the deleted Category. |
| Outcome | |
| Notes | URL to delete a Category (in case necessary): category/administrator/delete.do?categoryId= |

| Test #002 | |
|-------------|--|
| Description | You must log in as an Administrator. |
| | Now try to delete a made-up Category, using a made up “categoryId” parameter in the URL: “category/administrator/delete.do?categoryId=” |
| Expected | A Panic view should be shown. |
| Outcome | |
| Notes | URL to delete a Category (in case necessary): category/administrator/delete.do?categoryId= |

| Test #003 | |
|-------------------------|---|
| Description | <p>You must log in as an Administrator.</p> <p>Now you need to check in your database the ID of the root Category. You can easily find the root Category, as it is the only one named "CATEGORY" and it doesn't have a parent Category.</p> <p>Now try to delete the root category, using its ID as the value of the "categoryId" parameter in the URL: "category/administrator/delete.do?categoryId="</p> |
| Expected Outcome | A Panic view should be shown. |
| Notes | URL to delete a Category (in case necessary): category/administrator/delete.do?categoryId= |

| Test #004 | |
|-------------------------|--|
| Description | <p>You must log in as an Administrator and display the root Category.</p> <p>Assert that it shows the following information:</p> <ul style="list-style-type: none"> - Parent category to which it belongs. (If it is a child Category). <p>Assert that the children Categories' listing shows the following information:</p> <ul style="list-style-type: none"> - Name. - "Delete" links. <p>Assert that the exhibitions' listing shows the following information:</p> <ul style="list-style-type: none"> - Ticker - Title - Starting date - Ending date. - "Passed" if its ending date is in the past. - Price |
| Expected Outcome | All of the information detailed above should be shown. |
| Notes | URL to display a Category (in case necessary): category/administrator/display.do?categoryId= |

| Test #005 | |
|-------------------------|--|
| Description | <p>You must log in as an Administrator and display the root Category.</p> <p>Click on all of the pagination links that are shown: "First", "Prev", "Next", and "Last".</p> <p>Check it for both the children Categories and the exhibitions' listings.</p> |
| Expected Outcome | No exception or error should be thrown. |
| Notes | URL to display a Category (in case necessary): category/administrator/display.do?categoryId= |

| Test #006 | |
|--------------------|---|
| Description | <p>You must log in as an Administrator and display the root Category.</p> <p>Click all the links shown in the table. That is: title and the category in which it belongs (if it is a child Category.)</p> |
| Expected | No exception or error should be thrown. |
| Outcome | |
| Notes | <p>URL to display a Category (in case necessary): category/administrator/display.do?categoryId=</p> |

| Test #007 | |
|--------------------|--|
| Description | <p>You must log in as an Administrator and display the root Category.</p> <p>Check that the dates follow the pattern MM/dd/yyyy hh:mm in English and dd/MM/yyyy hh:mm in Spanish.</p> <p>Check that the prices follow the pattern €X.XX in English and X,XX€ in Spanish.</p> |
| Expected | The information should follow the indicated patterns. |
| Outcome | |
| Notes | <p>URL to display a Category (in case necessary): category/administrator/display.do?categoryId=</p> |

| Test #008 | |
|--------------------|---|
| Description | You must repeat all tests of this UC 007, but now using the system in Spanish. |
| Expected | All messages should be shown in Spanish. |
| Outcome | |
| Notes | <p>URL to delete a Category (in case necessary): category/administrator/delete.do?categoryId=</p> <p>URL to display a Category (in case necessary): category/administrator/display.do?categoryId=</p> |

Use case 008 Administrator Delete Comments

Description

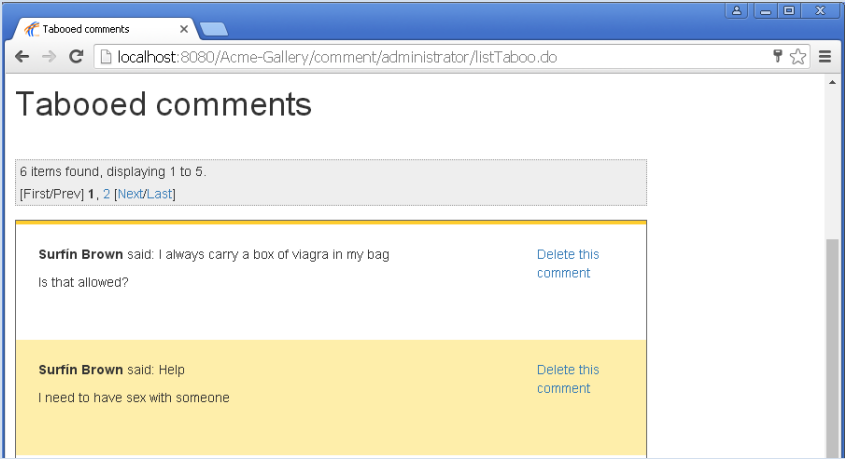
An administrator wants to retrieve a list of taboo comments to be able to delete any of them in case she or he considers it is not appropriate. In order to do so, she or he logs in, lists all the comments flagged as taboo by the system and choose one of them to be removed.

Access

“Main Menu > Login” - to access to the system

“Main Menu > Tabooed Comments” - to list the comments the system has flagged as taboo

Tests

| Test #001 | |
|-------------|--|
| Description | You must log in as an Administrator and list the tabooed comments. |
| Expected | <p>For such listing, you must assert that the following information appears and that it renders without any problems:</p> <ul style="list-style-type: none">- A column with the comments, showing the creator in bold, the title and its body.- A column with a link to perform the delete operation.  <p>The screenshot shows a web browser window with the title 'Tabooed comments'. The address bar shows 'localhost:8080/Acme-Gallery/comment/administrator/listTaboo.do'. The page content includes a heading 'Tabooed comments', a message '6 items found, displaying 1 to 5.', and a pagination link '[First/Prev] 1, 2 [Next/Last]'. Below this, there are two comment entries. The first entry is by 'Surfin Brown' and says 'I always carry a box of viagra in my bag Is that allowed?'. The second entry is also by 'Surfin Brown' and says 'Help I need to have sex with someone'. Both entries have a 'Delete this comment' link to their right.</p> |
| Outcome | |
| Notes | |

| Test #002 | |
|--------------------|--|
| Description | You must log in as an Administrator and list the tabooed comments. Once there click on every pagination link to test them. |
| Expected | The system does not throw any kind of exception and the links work as expected. Each page must display, at most, 5 items. |
| Outcome | |
| Notes | |

| Test #003 | |
|--------------------|---|
| Description | You must log in as an Administrator and list the tabooed comments. |
| Expected | The comments that appear in the listing must contain at least a taboo word in either their titles or bodies (or in both of them). |
| Outcome | |
| Notes | To retrieve the current list of taboo words, log in as an admin and click in “Main Menu > System Configuration”. |

| Test #004 | |
|--------------------|--|
| Description | You must log in as an Administrator and list the tabooed comments. Once there, choose a comment to delete it. |
| Expected | The system successfully performs the operation and redirects to the same listing, which now does not show the selected comment (that of course, consequently implies that it has one less item). |
| Outcome | |
| Notes | URL to delete a Comment (in case of necessity): comment/administrator/delete.do?redirect=listTaboo.do&commentId= |

| Test #005 | |
|--------------------|---|
| Description | You must log in as an Administrator and list the tabooed comments. Use the URL to delete a made-up comment. |
| Expected | The system prevents the operation showing a Panic View (IllegalArgumentException) |
| Outcome | |
| Notes | URL to delete a Comment (in case of necessity): comment/administrator/delete.do?redirect=listTaboo.do&commentId= |

| Test #006 | |
|-------------|--|
| Description | You must log in as an Administrator and list the tabooed comments. Choose one comment to be deleted and, before performing the operation, copy the URL. Now, perform the operation and try to perform it again using the recently copied link. |
| Expected | The second operation must be rejected by the system, showing a Panic View (IllegalArgumentException) |
| Outcome | |
| Notes | URL to delete a Comment (in case of necessity): comment/administrator/delete.do?redirect=listTaboo.do&commentId= |

| Test #007 | |
|-------------|--|
| Description | You must repeat all tests of this UC 008, but now using the system in Spanish. |
| Expected | All messages should be shown in Spanish. |
| Outcome | |
| Notes | |

Use case 009 Register as a Critic

Description

An administrator wants to create a new account for a Critic in the system. In order to do so, she or he logs in with her or his admin account fill in the registration form with the data of the new Critic.

Access

“Main Menu > Login” - to enter the system

“Main Menu > Critic Sign Up” - to create a new account for a Critic

Tests

| Test #001 | |
|--------------------|--|
| Description | <p>You must log in as an admin and display the Critic registration form.</p> <p>Assert that the form shows the following information:</p> <ul style="list-style-type: none">- Username.- Password.- Repeated password.- Name.- Surnames.- Email.- Phone Number.- Address.- Gender.- Terms and Conditions' checkbox. |
| Expected | All of the information detailed above should be shown. |
| Outcome | |
| Notes | URL to register as a Critic (in case of necessity): critic/administrator/register.do |

| Test #002 | |
|--------------------|--|
| Description | <p>You must log in as an admin and display the Critic registration form.</p> <p>Enter the following information:</p> <ul style="list-style-type: none"> - Username: "" - Password: "abcde" - Repeated password: "abcde" - Name: "" - Surnames: "" - Email: "" - Phone Number: "" - Address: "" - Gender: "----" - Terms and Conditions' checkbox: Check it. <p>Now try to save the Critic.</p> <p>Once the errors are shown, click on the "Cancel" button.</p> |
| Expected | You should be redirected to the welcome view. |
| Outcome | |
| Notes | URL to register as a Critic (in case of necessity): critic/administrator/register.do |

| Test #003 | |
|--------------------|--|
| Description | <p>You must log in as an admin and display the Critic registration form.</p> <p>Enter the following information:</p> <ul style="list-style-type: none"> - Username: "" - Password: "abcde" - Repeated password: "abcde" - Name: "" - Surnames: "" - Email: "" - Phone Number: "" - Address: "" - Gender: "----" - Terms and Conditions' checkbox: Check it. <p>Now try to save the Critic.</p> |
| Expected | You should get a "Size must be from 5 to 32" error in the username field, a "Must not be blank" error in the name, surnames, email and phone number fields, and a "Does not match pattern" error in the phone number field. |
| Outcome | |
| Notes | URL to register as a Critic (in case of necessity): critic/administrator/register.do |

| Test #004 | |
|--------------------|---|
| Description | <p>You must log in as an admin and display the Critic registration form.</p> <p>Enter the following information:</p> <ul style="list-style-type: none"> - Username: "<script>alert('hacked!');</script>" - Password: "<script>alert('hacked!');</script>" - Repeated password: "<script>alert('hacked!');</script>" - Name: "<script>alert('hacked!');</script>" - Surnames: "<script>alert('hacked!');</script>" - Email: "<script>alert('hacked!');</script>" - Phone Number: "<script>alert('hacked!');</script>" - Address: "<script>alert('hacked!');</script>" - Gender: "Other" - Terms and Conditions' checkbox: Check it. <p>Now try to save the Critic.</p> |
| Expected | <p>An "Insecure HTML" error should be shown for fields: username, password, repeated password, name, surnames and address.</p> <p>A "Size must be from 5 to 32" error should be shown for fields: username, password, repeated password.</p> <p>An "Invalid email" error should be shown for the email field.</p> <p>A "Does not match pattern" error should be shown for the phone number field.</p> |
| Outcome | |
| Notes | <p>URL to register as a Critic (in case of necessity):</p> <p>critic/administrator/register.do</p> |

| Test #005 | |
|--------------------|--|
| Description | <p>You must log in as an admin and display the Critic registration form.</p> <p>Now register several times with correct data until you've tested all the options in the "Gender" dropdown list (that is Male, Female, other and ----).</p> |
| Expected | No error should be shown for any of the "Gender" options. |
| Outcome | |
| Notes | <p>URL to register as a Critic (in case of necessity):</p> <p>critic/administrator/register.do</p> |

| Test #006 | |
|--------------------|--|
| Description | <p>You must log in as an admin and display the Director registration form.</p> <p>Enter a user name that already exists in the "Username" field (that is, for example "critic1"). Then provide correct data for the rest of the fields, accept "Terms and Conditions" checkbox and hit "Save".</p> |
| Expected | The system must reject the operation and prompt an error message below the form: "Username is already in use" |
| Outcome | |
| Notes | <p>URL to register as a Critic (in case of necessity):</p> <p>critic/administrator/register.do</p> |

| Test #007 | |
|--------------------|---|
| Description | <p>You must log in as an admin and display the Critic registration form.</p> <p>Now inspect the HTML code (Ctrl +U, if you are using Google Chrome). Look for any “hidden” information in the HTML.</p> |
| Expected | Only a hidden input named “_acceptedTerms” should be found. |
| Outcome | |
| Notes | <p>URL to register as a Critic (in case of necessity):</p> <p>critic/administrator/register.do</p> |

| Test #008 | |
|--------------------|--|
| Description | You must repeat all tests of this UC 009, but now using the system in Spanish. |
| Expected | All messages should be shown in Spanish. |
| Outcome | |
| Notes | <p>URL to register as a Critic (in case of necessity):</p> <p>critic/administrator/register.do</p> |

Use case 010 Register as a Director

Description

An administrator wants to create a new account for a Director in the system. In order to do so, she or he logs in with her or his admin account fill in the registration form with the data of the new Director.

Access

“Main Menu > Login” - to enter the system.

“Main Menu > Director Sign Up” - to create a new account for a Director.

Tests

| Test #001 | |
|-------------------------|--|
| Description | <p>You must log in as an admin and display the Director registration form.</p> <p>Assert that the form shows the following information:</p> <ul style="list-style-type: none">- Username.- Password.- Repeated password.- Name.- Surnames.- Email.- Phone Number.- Address.- Gender.- Terms and Conditions' checkbox. |
| Expected Outcome | All of the information detailed above should be shown. |
| Notes | URL to register as a Director (in case of necessity): director/administrator/register.do |

| Test #002 | |
|-------------------------|--|
| Description | <p>You must log in as an admin and display the Director registration form.</p> <p>Enter the following information:</p> <ul style="list-style-type: none"> - Username: "" - Password: "abcde" - Repeated password: "abcde" - Name: "" - Surnames: "" - Email: "" - Phone Number: "" - Address: "" - Gender: "----" - Terms and Conditions' checkbox: Check it. <p>Now try to save the Director.</p> <p>Once the errors are shown, click on the "Cancel" button.</p> |
| Expected Outcome | You should be redirected to the welcome view. |
| Notes | URL to register as a Director (in case of necessity): director/administrator/register.do |

| Test #003 | |
|-------------------------|--|
| Description | <p>You must log in as an admin and display the Director registration form.</p> <p>Enter the following information:</p> <ul style="list-style-type: none"> - Username: "" - Password: "abcde" - Repeated password: "abcde" - Name: "" - Surnames: "" - Email: "" - Phone Number: "" - Address: "" - Gender: "----" - Terms and Conditions' checkbox: Check it. <p>Now try to save the Director.</p> |
| Expected Outcome | You should get a "Size must be from 5 to 32" error in the username field, a "Must not be blank" error in the name, surnames, email and phone number fields, and a "Does not match pattern" error in the phone number field. |
| Notes | URL to register as a Director (in case of necessity): director/administrator/register.do |

| Test #004 | |
|--------------------|---|
| Description | <p>You must log in as an admin and display the Director registration form.</p> <p>Enter the following information:</p> <ul style="list-style-type: none"> - Username: "<script>alert('hacked!');</script>" - Password: "<script>alert('hacked!');</script>" - Repeated password: "<script>alert('hacked!');</script>" - Name: "<script>alert('hacked!');</script>" - Surnames: "<script>alert('hacked!');</script>" - Email: "<script>alert('hacked!');</script>" - Phone Number: "<script>alert('hacked!');</script>" - Address: "<script>alert('hacked!');</script>" - Gender: "Other" - Terms and Conditions' checkbox: Check it. <p>Now try to save the Director.</p> |
| Expected | <p>An "Insecure HTML" error should be shown for fields: username, password, repeated password, name, surnames and address.</p> <p>A "Size must be from 5 to 32" error should be shown for fields: username, password, repeated password.</p> <p>An "Invalid email" error should be shown for the email field.</p> <p>A "Does not match pattern" error should be shown for the phone number field.</p> |
| Outcome | |
| Notes | <p>URL to register as a Director (in case of necessity):</p> <p>director/administrator/register.do</p> |

| Test #005 | |
|--------------------|--|
| Description | <p>You must log in as an admin and display the Director registration form.</p> <p>Now register several times with correct data until you've tested all the options in the "Gender" dropdown list (that is Male, Female, other and ----).</p> |
| Expected | No error should be shown for any of the "Gender" options. |
| Outcome | |
| Notes | <p>URL to register as a Director (in case of necessity):</p> <p>director/administrator/register.do</p> |

| Test #006 | |
|--------------------|--|
| Description | <p>You must log in as an admin and display the Director registration form.</p> <p>Enter a user name that already exists in the "Username" field (that is, for example "director1"). Then provide correct data for the rest of the fields, accept "Terms and Conditions" checkbox and hit "Save".</p> |
| Expected | The system must reject the operation and prompt an error message below the form: "Username is already in use" |
| Outcome | |
| Notes | <p>URL to register as a Director (in case of necessity):</p> <p>director/administrator/register.do</p> |

| Test #007 | |
|--------------------|---|
| Description | <p>You must log in as an admin and display the Director registration form.</p> <p>Now inspect the HTML code (Ctrl +U, if you are using Google Chrome). Look for any “hidden” information in the HTML.</p> |
| Expected | Only a hidden input named “_acceptedTerms” should be found. |
| Outcome | |
| Notes | <p>URL to register as a Director (in case of necessity):</p> <p>director/administrator/register.do</p> |

| Test #008 | |
|--------------------|--|
| Description | You must repeat all tests of this UC 010, but now using the system in Spanish. |
| Expected | All messages should be shown in Spanish. |
| Outcome | |
| Notes | <p>URL to register as a Director (in case of necessity):</p> <p>director/administrator/register.do</p> |

Use case 011 Administrator delete Group

Description

An administrator wants to delete a group. In order to do so, she/he must log in as an administrator, then list the tabooed groups and delete any of them.

Access

“Main Menu > Login” – to authenticate in the system

“Main Menu > Tabooed Groups” – to list tabooed groups

Tests

| Test #001 | |
|-------------|---|
| Description | You must log in to the system as admin/admin. Then, on the main menu, click on “Tabooed Groups”, and finally, click on delete on any of them. |
| Expected | The system must redirect you to the same page as before, but now, the recently-deleted group shouldn’t be there. |
| Outcome | |
| Notes | URL to list tabooed groups (In case necessary): group/administrator/listTaboo.do |

| Test #002 | |
|-------------|---|
| Description | You must log in to the system as admin/admin. Then, on the main menu, click on “Tabooed Groups”, and then, click on any of the pagination links. |
| Expected | The system must show you different tabooed groups. |
| Outcome | |
| Notes | Important: If the list doesn’t contain enough groups in order to apply pagination, you should: 1. Go to System Configuration. 2. Add a new taboo word. 3. Add “a” as taboo Word. Then check that now there’s more than 5 tabooed groups. URL to list tabooed groups (In case necessary): group/administrator/listTaboo.do |

| Test #003 | |
|-------------|---|
| Description | You must log in to the system as admin/admin. Then, on the main menu, click on “Tabooed Groups”, and then, click on the title of any of the groups. |
| Expected | The system must correctly redirect you to the display view of the group. |
| Outcome | |
| Notes | URL to list tabooed groups (In case necessary): group/administrator/listTaboo.do |

| Test #004 | |
|--------------------|--|
| Description | You must log in to the system as admin/admin. Then, on the main menu, click on “Tabooed Groups”, and then, check the creation moment and meeting date. |
| Expected | The creation moment and meeting date should follow the following pattern: MM/dd/yyyy hh:mm in English and dd/MM/yyyy hh:mm in Spanish. |
| Outcome | |
| Notes | URL to list tabooed groups (In case necessary): group/administrator/listTaboo.do |

| Test #005 | |
|--------------------|---|
| Description | You must log in to the system as admin/admin. Then, on the main menu, click on “Tabooed Groups”, and then, click on the title of the museum associated. |
| Expected | The system must correctly redirect you to the display view of the associated museum. |
| Outcome | |
| Notes | URL to list tabooed groups (In case necessary): group/administrator/listTaboo.do |

| Test #006 | |
|--------------------|--|
| Description | Repeat the entire UC-011 but now with the language in Spanish. |
| Expected | The system must completely have translated except for the messages created by users. |
| Outcome | |
| Notes | URL to list tabooed groups (In case necessary): group/administrator/listTaboo.do |

Use case 012 Register as a Guide

Description

An administrator wants to create a new account for a Guide in the system. In order to do so, she or he logs in with her or his admin account fill in the registration form with the data of the new Guide.

Access

“Main Menu > Login” - to enter the system.

“Main Menu > Guide Sign Up” - to create a new account for a Guide.

Tests

| Test #001 | |
|--------------------|---|
| Description | <p>You must log in as an admin and display the Guide registration form.</p> <p>Assert that the form shows the following information:</p> <ul style="list-style-type: none">- Username.- Password.- Repeated password.- Name.- Surnames.- Email.- Phone Number.- Address.- Gender.- Terms and Conditions' checkbox. |
| Expected | All of the information detailed above should be shown. |
| Outcome | |
| Notes | URL to register as a Guide (in case of necessity): guide/administrator/register.do |

| Test #002 | |
|-------------------------|--|
| Description | <p>You must log in as an admin and display the Guide registration form.</p> <p>Enter the following information:</p> <ul style="list-style-type: none"> - Username: "" - Password: "abcde" - Repeated password: "abcde" - Name: "" - Surnames: "" - Email: "" - Phone Number: "" - Address: "" - Gender: "----" - Terms and Conditions' checkbox: Check it. <p>Now try to save the Guide.</p> <p>Once the errors are shown, click on the "Cancel" button.</p> |
| Expected Outcome | You should be redirected to the welcome view. |
| Notes | URL to register as a Guide (in case of necessity): guide/administrator/register.do |

| Test #003 | |
|-------------------------|--|
| Description | <p>You must log in as an admin and display the Guide registration form.</p> <p>Enter the following information:</p> <ul style="list-style-type: none"> - Username: "" - Password: "abcde" - Repeated password: "abcde" - Name: "" - Surnames: "" - Email: "" - Phone Number: "" - Address: "" - Gender: "----" - Terms and Conditions' checkbox: Check it. <p>Now try to save the Guide.</p> |
| Expected Outcome | You should get a "Size must be from 5 to 32" error in the username field, a "Must not be blank" error in the name, surnames, email and phone number fields, and a "Does not match pattern" error in the phone number field. |
| Notes | URL to register as a Guide (in case of necessity): guide/administrator/register.do |

| Test #004 | |
|--------------------|---|
| Description | <p>You must log in as an admin and display the Guide registration form.</p> <p>Enter the following information:</p> <ul style="list-style-type: none"> - Username: "<script>alert('hacked!');</script>" - Password: "<script>alert('hacked!');</script>" - Repeated password: "<script>alert('hacked!');</script>" - Name: "<script>alert('hacked!');</script>" - Surnames: "<script>alert('hacked!');</script>" - Email: "<script>alert('hacked!');</script>" - Phone Number: "<script>alert('hacked!');</script>" - Address: "<script>alert('hacked!');</script>" - Gender: "Other" - Terms and Conditions' checkbox: Check it. <p>Now try to save the Guide.</p> |
| Expected | <p>An "Insecure HTML" error should be shown for fields: username, password, repeated password, name, surnames and address.</p> <p>A "Size must be from 5 to 32" error should be shown for fields: username, password, repeated password.</p> <p>An "Invalid email" error should be shown for the email field.</p> <p>A "Does not match pattern" error should be shown for the phone number field.</p> |
| Outcome | |
| Notes | <p>URL to register as a Guide (in case of necessity):</p> <p>guide/administrator/register.do</p> |

| Test #005 | |
|--------------------|---|
| Description | <p>You must log in as an admin and display the Guide registration form.</p> <p>Now register several times with correct data until you've tested all the options in the "Gender" dropdown list (that is Male, Female, other and ----).</p> |
| Expected | No error should be shown for any of the "Gender" options. |
| Outcome | |
| Notes | <p>URL to register as a Guide (in case of necessity):</p> <p>guide/administrator/register.do</p> |

| Test #006 | |
|--------------------|--|
| Description | <p>You must log in as an admin and display the Guide registration form.</p> <p>Enter a user name that already exists in the "Username" field (that is, for example "guide1"). Then provide correct data for the rest of the fields, accept "Terms and Conditions" checkbox and hit "Save".</p> |
| Expected | The system must reject the operation and prompt an error message below the form: "Username is already in use" |
| Outcome | |
| Notes | <p>URL to register as a Guide (in case of necessity):</p> <p>guide/administrator/register.do</p> |

| Test #007 | |
|--------------------|--|
| Description | <p>You must log in as an admin and display the Guide registration form.</p> <p>Now inspect the HTML code (Ctrl +U, if you are using Google Chrome). Look for any “hidden” information in the HTML.</p> |
| Expected | Only a hidden input named “_acceptedTerms” should be found. |
| Outcome | |
| Notes | <p>URL to register as a Guide (in case of necessity):</p> <p>guide/administrator/register.do</p> |

| Test #008 | |
|--------------------|--|
| Description | You must repeat all tests of this UC 012, but now using the system in Spanish. |
| Expected | All messages should be shown in Spanish. |
| Outcome | |
| Notes | <p>URL to register as a Guide (in case of necessity):</p> <p>guide/administrator/register.do</p> |

Use case 013 Administrator delete Review

Description

An Administrator wants to delete an inappropriate Review. In order to do so, the user logs in to the system as an Administrator, lists the taboo Reviews and deletes the Review she is looking for.

Access

In the menu, “Login” – to access the system.

In the menu, “Tabooed reviews” – to access the list of taboo Reviews.

In the taboo Reviews’ listing, “Delete this review” link next to a Review – to remove it.

Tests

| Test #001 | |
|-------------|---|
| Description | You must log in as an Administrator and list the taboo Reviews. Assert that the listing shows the following information: <ul style="list-style-type: none">- Visitor.- Opinion.- Score.- Publication Date.- “Delete this review” link. |
| Expected | All of the information detailed above should be shown. |
| Outcome | |
| Notes | URL to list the taboo Reviews (in case necessary): review/administrator/listTaboo.do |

| Test #002 | |
|-------------|---|
| Description | You must log in as an Administrator and list the taboo Reviews. Click on all of the pagination links that are shown: “First”, “Prev”, “Next” and “Last”. |
| Expected | No exception or error should be thrown. |
| Outcome | |
| Notes | URL to list the taboo Reviews (in case necessary): review/administrator/listTaboo.do |

| Test #003 | |
|--------------------|--|
| Description | <p>You must log in as an Administrator and list the taboo Reviews.</p> <p>Check that the dates follow the pattern MM/dd/yyyy hh:mm in English and dd/MM/yyyy hh:mm in Spanish.</p> |
| Expected | The information should follow the indicated patterns. |
| Outcome | |
| Notes | <p>URL to list the taboo Reviews (in case necessary):</p> <p>review/administrator/listTaboo.do</p> |

| Test #004 | |
|--------------------|--|
| Description | <p>You must log in as an Administrator and list the taboo Reviews.</p> <p>Now delete a Review by clicking on the “Delete this review” link next to it.</p> |
| Expected | <p>The selected Review is deleted.</p> <p>You are redirected to the “Tabooed reviews” view.</p> |
| Outcome | |
| Notes | <p>URL to delete a Review (in case necessary):</p> <p>review/administrator/delete.do?reviewId= &redirect=listTaboo.do</p> |

| Test #005 | |
|--------------------|---|
| Description | <p>You must log in as an Administrator and list the taboo Reviews.</p> <p>Now try to delete a made-up Review, using a made up “reviewId” parameter in the URL:</p> <p>“review/administrator/delete.do?reviewId= &redirect=listTaboo.do”</p> |
| Expected | A Panic view should be shown. |
| Outcome | |
| Notes | <p>URL to delete a Review (in case necessary):</p> <p>review/administrator/delete.do?reviewId= &redirect=listTaboo.do</p> |

| Test #006 | |
|--------------------|--|
| Description | You must repeat all tests of this UC 013, but now using the system in Spanish. |
| Expected | All messages should be shown in Spanish. |
| Outcome | |
| Notes | <p>URL to list the taboo Reviews (in case necessary):</p> <p>review/administrator/listTaboo.do</p> <p>URL to delete a Review (in case necessary):</p> <p>review/administrator/delete.do?reviewId= &redirect=listTaboo.do</p> |

Use case 014 Administrator ban a Sponsor

Description

An Administrator wants to ban a Sponsor who is doing an inappropriate use of the system. In order to do so, the user logs in to the system as an Administrator, lists the non-banned Sponsors, bans the Sponsor she is looking for, and lists the banned Sponsors.

Access

In the menu, "Login" – to access the system.

In the menu, "Active Sponsors" – to access the list of non-banned Sponsors.

In the taboo non-banned Sponsors' listing, "Ban this sponsor" link next to a Sponsor – to ban her.

In the menu, "Banned Sponsors" – to access the list of banned Sponsors.

Tests

| Test #001 | |
|--------------------|--|
| Description | You must log in as an Administrator and list the non-banned Sponsors. Assert that the listing shows the following information: <ul style="list-style-type: none">- Name.- Surnames.- Email.- Address.- Phone Number.- "Ban this sponsor" link. |
| Expected | All of the information detailed above should be shown. |
| Outcome | |
| Notes | URL to list the non-banned Sponsors (in case necessary): sponsor/administrator/listUnlocked.do |

| Test #002 | |
|--------------------|---|
| Description | You must log in as an Administrator and list the non-banned Sponsors. Click on all of the pagination links that are shown: "First", "Prev", "Next" and "Last". |
| Expected | No exception or error should be thrown. |
| Outcome | |
| Notes | URL to list the non-banned Sponsors (in case necessary): sponsor/administrator/listUnlocked.do |

| Test #003 | |
|-------------|--|
| Description | You must log in as an Administrator and list the non-banned Sponsors. |
| | Now ban a Sponsor by clicking on the “Ban this sponsor” link next to it. |
| Expected | The selected Sponsor is banned. You are redirected to the “Banned sponsors” view. |
| Outcome | |
| Notes | URL to ban a Sponsor (in case necessary): sponsor/administrator/ban.do?sponsorId= |

| Test #004 | |
|-------------|--|
| Description | You must log in as an Administrator. |
| | Now try to ban a made-up Sponsor, using a made up “sponsorId” parameter in the URL: “sponsor/administrator/ban.do?sponsorId=” |
| Expected | A Panic view should be shown. |
| Outcome | |
| Notes | URL to ban a Sponsor (in case necessary): sponsor/administrator/ban.do?sponsorId= |

| Test #005 | |
|-------------|---|
| Description | You must log in as an Administrator. |
| | Now you need to check in your database the ID of a banned Sponsor. That is, a Sponsor whose userAccount.isLocked = 1. Now try to ban that Sponsor, using its ID as the value of the “sponsorId” parameter in the URL: “sponsor/administrator/ban.do?sponsorId=” |
| Expected | A Panic view should be shown. |
| Outcome | |
| Notes | URL to ban a Sponsor (in case necessary): sponsor/administrator/ban.do?sponsorId= |

| Test #006 | |
|-------------|--|
| Description | You must log in as an Administrator and list the banned Sponsors. |
| | Assert that the listing shows the following information: <ul style="list-style-type: none"> - Name. - Surnames. - Email. - Address. - Phone Number. |
| Expected | All of the information detailed above should be shown. |
| Outcome | |
| Notes | URL to list the banned Sponsors (in case necessary): sponsor/administrator/listLocked.do |

| Test #007 | |
|--------------------|--|
| Description | <p>You must log in as an Administrator and list the banned Sponsors.</p> <p>Click on all of the pagination links that are shown: “First”, “Prev”, “Next” and “Last”.</p> |
| Expected | No exception or error should be thrown. |
| Outcome | |
| Notes | <p>URL to list the banned Sponsors (in case necessary): sponsor/administrator/listLocked.do</p> |

| Test #008 | |
|--------------------|---|
| Description | You must repeat all tests of this UC 014, but now using the system in Spanish. |
| Expected | All messages should be shown in Spanish. |
| Outcome | |
| Notes | <p>URL to list the non-banned Sponsors (in case necessary): sponsor/administrator/listUnlocked.do</p> <p>URL to ban a Sponsor (in case necessary): sponsor/administrator/ban.do?sponsorId=</p> <p>URL to list the banned Sponsors (in case necessary): sponsor/administrator/listLocked.do</p> |

Use case 015 Administrator add a Taboo Word

Description

An administrator wants to add a new taboo word to the system, so she/he can notify when an announcement, group, comment or review is created contains a taboo word. In order to do so, she/he must log in to the system, display the system configuration and then add the new taboo word.

Access

“Main Menu > Login” – to authenticate in the system

“Main Menu > System Configuration” – to display the system configuration

“System Configuration > Add a new Taboo Word” - to add a new taboo word

Tests

| Test #001 | |
|-------------|---|
| Description | You must log in to the system as admin/admin. Then, on the main menu, click on “System Configuration”. Click on “Add a new Taboo Word”, and type “a”. Then, click on “Save”. Then click on “Tabooed Announcements”, “Tabooed Groups”, “Tabooed Comments” and “Tabooed Reviews”. |
| Expected | The system must redirect you to the display of the system configuration, now with a new taboo word added. Now, check in Tabooed Announcements, Groups, Comments and Reviews that the list of elements has increased. |
| Outcome | |
| Notes | URL to display the system configuration (In case necessary): systemConfiguration/administrator/display.do |

| Test #002 | |
|-------------|--|
| Description | You must log in to the system as admin/admin. Then, on the main menu, click on “System Configuration”. Click on “Add a new Taboo Word” and type a word that is already in the list, “sex” for example. And then, click on “Save” |
| Expected | You should get a “Cannot commit this operation” error. |
| Outcome | |
| Notes | URL to display the system configuration (In case necessary): systemConfiguration/administrator/display.do |

| Test #003 | |
|-------------------------|--|
| Description | You must log in to the system as admin/admin. Then, on the main menu, click on "System Configuration". Click on "Add a new Taboo Word", and type a word that includes a space, "hello bye" for example. Then click on "Save" |
| Expected Outcome | You should get a "Cannot commit this operation" error. |
| Notes | URL to display the system configuration (In case necessary): systemConfiguration/administrator/display.do |

| Test #004 | |
|-------------------------|--|
| Description | You must log in to the system as admin/admin. Then, on the main menu, click on "System Configuration". Click on "Add a new Taboo Word", and type "<script>alert('Test');</script>". Then click on "Save" |
| Expected Outcome | You should get a "Cannot commit this operation" error. |
| Notes | URL to display the system configuration (In case necessary): systemConfiguration/administrator/display.do |

| Test #005 | |
|-------------------------|---|
| Description | You must log in to the system as admin/admin. Then, on the main menu, click on "System Configuration". Click on "Add a new Taboo Word", and don't type anything. Click on "Save". |
| Expected Outcome | You should get a "Cannot commit this operation" error. |
| Notes | URL to display the system configuration (In case necessary): systemConfiguration/administrator/display.do |

| Test #006 | |
|-------------------------|--|
| Description | You must log in to the system as admin/admin. Then, on the main menu, click on "System Configuration". Click on "Add a new Taboo Word", and then click on "Cancel" |
| Expected Outcome | The system must correctly redirect you to the display of the system configuration again. |
| Notes | URL to display the system configuration (In case necessary): systemConfiguration/administrator/display.do |

| Test #007 | |
|-------------------------|---|
| Description | You must log in to the system as admin/admin. Then, on the main menu, click on "System Configuration". Check that there's at least 6 taboo words (if not, add the needed ones). Then click on the pagination links. |
| Expected Outcome | The system must show a list of the next taboo words. |
| Notes | URL to display the system configuration (In case necessary): systemConfiguration/administrator/display.do |

| Test #008 | |
|-------------------------|--|
| Description | You must log in to the system as admin/admin. Then, on the main menu, click on "System Configuration". Click on "Taboo Word" in order to sort the table. |
| Expected Outcome | The system must correctly sort the table alphabetically. |
| Notes | URL to display the system configuration (In case necessary): systemConfiguration/administrator/display.do |

| Test #009 | |
|-------------------------|--|
| Description | Repeat the entire UC-015 but now with the language in Spanish. |
| Expected Outcome | The system must completely have translated except for the messages created by users. |
| Notes | URL to display the system configuration (In case necessary): systemConfiguration/administrator/display.do |

Use case 016 Administrator delete a Taboo Word

Description

An administrator wants to delete a new taboo word to the system. In order to do so, she/he must log in to the system, display the system configuration and delete any of the taboo words of the list.

Access

“Main Menu > Login” – to authenticate in the system

“Main Menu > System Configuration” – to display the system configuration

“System Configuration > Delete” - to delete the taboo word

Tests

| Test #001 | |
|-------------|--|
| Description | You must log in to the system as admin/admin. Then, on the main menu, click on “System Configuration”. Click on “Delete” on any of the taboo words. Then click on “Tabooed Announcements”, “Tabooed Groups”, “Tabooed Comments” and “Tabooed Reviews”. |
| Expected | The system must redirect you to the display of the system configuration, but now, without the recently-removed word. Now, check in Tabooed Announcements, Groups, Comments and Reviews that the list of elements has decreased. |
| Outcome | |
| Notes | URL to display the system configuration (In case necessary): systemConfiguration/administrator/display.do |

| Test #002 | |
|-------------|--|
| Description | You must log in to the system as admin/admin. Then, on the main menu, click on “System Configuration”. On the “Delete” link, copy the URL, and paste it in the browser. Change the value of tabooWord and type “test”. |
| Expected | The system must redirect you to the display of the system configuration, but there appears an error which is Cannot commit this operation. |
| Outcome | |
| Notes | URL to display the system configuration (In case necessary): systemConfiguration/administrator/display.do |

| Test #003 | |
|-------------|--|
| Description | Repeat the entire UC-016, but now with the language in Spanish. |
| Expected | All the messages must be translated, except for the ones that are created by users. |
| Outcome | |
| Notes | URL to display the system configuration (In case necessary): systemConfiguration/administrator/display.do |

Use case 017 Administrator edit VAT value

Description

An administrator wants to edit the VAT value of the system. In order to do so, she/he must log in to the system, display the system configuration edit the value of the VAT.

Access

“Main Menu > Login” – to authenticate in the system

“Main Menu > System Configuration” – to display the system configuration

“System Configuration > (VAT) Edit” - to edit the value of the VAT

Tests

| Test #001 | |
|-------------|---|
| Description | You must log in to the system as admin/admin. Then, on the main menu, click on “System Configuration”. On the section of “Current VAT applied”, click on Edit, and type “0.11”. Then click on Save. |
| Expected | The system must redirect you to the display of the system configuration, and now, the current VAT value should be the one that was typed before. |
| Outcome | |
| Notes | URL to display the system configuration (In case necessary): systemConfiguration/administrator/display.do |

| Test #002 | |
|-------------|---|
| Description | You must log in to the system as admin/admin. Then, on the main menu, click on “System Configuration”. On the section of “Current VAT applied”, click on Edit, and type “1.01”. Then click on Save. |
| Expected | The system must stay in the editing form, with the following validation error: <ul style="list-style-type: none">- Too large (max = 1.0) |
| Outcome | |
| Notes | URL to display the system configuration (In case necessary): systemConfiguration/administrator/display.do |

| Test #003 | |
|--------------------|--|
| Description | You must log in to the system as admin/admin. Then, on the main menu, click on "System Configuration". On the section of "Current VAT applied", click on Edit, and type "-0.01". Then click on Save. |
| Expected | The system must stay in the editing form, with the following validation error: <ul style="list-style-type: none"> - Too small (min = 0.0) |
| Outcome | |
| Notes | URL to display the system configuration (In case necessary): systemConfiguration/administrator/display.do |

| Test #004 | |
|--------------------|---|
| Description | You must log in to the system as admin/admin. Then, on the main menu, click on "System Configuration". On the section of "Current VAT applied", click on Edit, and then click on "Cancel" |
| Expected | The system must redirect you to the display of the system configuration correctly. |
| Outcome | |
| Notes | URL to display the system configuration (In case necessary): systemConfiguration/administrator/display.do |

| Test #005 | |
|--------------------|---|
| Description | You must log in to the system as admin/admin. Then, on the main menu, click on "System Configuration". On the section of "Current VAT applied", click on Edit, and leave it blank. Click on Save. |
| Expected | The system must stay in the editing form, with the following validation error: <ul style="list-style-type: none"> - Cannot be null |
| Outcome | |
| Notes | URL to display the system configuration (In case necessary): systemConfiguration/administrator/display.do |

| Test #006 | |
|--------------------|---|
| Description | You must log in to the system as admin/admin. Then, on the main menu, click on "System Configuration". On the section of "Current VAT applied", click on Edit, and type "test". Then click on Save. |
| Expected | The system must stay in the editing form, with the following validation error: <ul style="list-style-type: none"> - Invalid amount |
| Outcome | |
| Notes | URL to display the system configuration (In case necessary): systemConfiguration/administrator/display.do |

| Test #007 | |
|--------------------|--|
| Description | You must log in to the system as admin/admin. Then, on the main menu, click on "System Configuration". On the section of "Current VAT applied", click on Edit, and type "<script>alert('Test');</script>". Then click on Save. |
| Expected | The system must stay in the editing form, with the following validation error: <ul style="list-style-type: none"> - Invalid amount |
| Outcome | |
| Notes | URL to display the system configuration (In case necessary): systemConfiguration/administrator/display.do |

| Test #008 | |
|--------------------|--|
| Description | Repeat the entire UC-017 but now with the language in Spanish. |
| Expected | All the messages should be translated into Spanish, except for the ones that are created by users. |
| Outcome | |
| Notes | URL to display the system configuration (In case necessary): systemConfiguration/administrator/display.do |

Use case 018 Administrator ban a Visitor

Description

An Administrator wants to ban a Visitor who is doing an inappropriate use of the system. In order to do so, the user logs in to the system as an Administrator, lists the non-banned Visitors, bans the Visitor she is looking for, and lists the banned Visitors.

Access

In the menu, “Login” – to access the system.

In the menu, “Active Visitors” – to access the list of non-banned Visitors.

In the taboo non-banned Visitors’ listing, “Ban this visitor” link next to a Visitor – to ban her.

In the menu, “Banned Visitors” – to access the list of banned Visitors.

Tests

| Test #001 | |
|--------------------|--|
| Description | You must log in as an Administrator and list the non-banned Visitors. Assert that the listing shows the following information: <ul style="list-style-type: none">- Name.- Surnames.- Email.- Address.- Phone Number.- “Ban this visitor” link. |
| Expected | All of the information detailed above should be shown. |
| Outcome | |
| Notes | URL to list the non-banned Visitors (in case necessary): visitor/administrator/listUnlocked.do |

| Test #002 | |
|--------------------|---|
| Description | You must log in as an Administrator and list the non-banned Visitors. Click on all of the pagination links that are shown: “First”, “Prev”, “Next” and “Last”. |
| Expected | No exception or error should be thrown. |
| Outcome | |
| Notes | URL to list the non-banned Visitors (in case necessary): visitor/administrator/listUnlocked.do |

| Test #003 | |
|-------------|--|
| Description | You must log in as an Administrator and list the non-banned Visitors. |
| | Now ban a Visitor by clicking on the “Ban this visitor” link next to it. |
| Expected | The selected Visitor is banned. You are redirected to the “Banned visitors” view. |
| Outcome | |
| Notes | URL to ban a Visitor (in case necessary): visitor/administrator/ban.do?visitorId= |

| Test #004 | |
|-------------|--|
| Description | You must log in as an Administrator. |
| | Now try to ban a made-up Visitor, using a made up “visitorId” parameter in the URL: “visitor/administrator/ban.do?visitorId=” |
| Expected | A Panic view should be shown. |
| Outcome | |
| Notes | URL to ban a Visitor (in case necessary): visitor/administrator/ban.do?visitorId= |

| Test #005 | |
|-------------|---|
| Description | You must log in as an Administrator. |
| | Now you need to check in your database the ID of a banned Visitor. That is, a Visitor whose userAccount.isLocked = 1. Now try to ban that Visitor, using its ID as the value of the “visitorId” parameter in the URL: “visitor/administrator/ban.do?visitorId=” |
| Expected | A Panic view should be shown. |
| Outcome | |
| Notes | URL to ban a Visitor (in case necessary): visitor/administrator/ban.do?visitorId= |

| Test #006 | |
|-------------|--|
| Description | You must log in as an Administrator and list the banned Visitors. |
| | Assert that the listing shows the following information: <ul style="list-style-type: none"> - Name. - Surnames. - Email. - Address. - Phone Number. |
| Expected | All of the information detailed above should be shown. |
| Outcome | |
| Notes | URL to list the banned Visitors (in case necessary): visitor/administrator/listLocked.do |

| Test #007 | |
|--------------------|--|
| Description | <p>You must log in as an Administrator and list the banned Visitors.</p> <p>Click on all of the pagination links that are shown: “First”, “Prev”, “Next” and “Last”.</p> |
| Expected | No exception or error should be thrown. |
| Outcome | |
| Notes | <p>URL to list the banned Visitors (in case necessary):</p> <p>visitor/administrator/listLocked.do</p> |

| Test #008 | |
|--------------------|---|
| Description | You must repeat all tests of this UC 018, but now using the system in Spanish. |
| Expected | All messages should be shown in Spanish. |
| Outcome | |
| Notes | <p>URL to list the non-banned Visitors (in case necessary):</p> <p>visitor/administrator/listUnlocked.do</p> <p>URL to ban a Visitor (in case necessary):</p> <p>visitor/administrator/ban.do?visitorId=</p> <p>URL to list the banned Visitors (in case necessary):</p> <p>visitor/administrator/listLocked.do</p> |

Use case 019 Critic create a Critique

Description

A Critic wants to write a Critique about an exhibition she has visited. In order to do so, the user logs in to the system as a Critic, searches for the exhibition she wants to write about, displays the exhibition, writes the critique and displays it.

Access

In the menu, “Login” – to access the system.

In the menu, “Exhibition’s search” – to access the exhibitions’ search engine.

In the exhibitions’ search engine, “Search” – to list the search results.

In the search results listing, click on the title of an exhibition – to display it.

In the exhibition’s display, “Create a new Critique” – to write a Critique about it.

Tests

| Test #001 | |
|-------------------------|--|
| Description | You must log in as a Critic, display the exhibition’s search engine and search for a keyword which may have several results, for example, letter “a”. Assert that the listing shows the following information: <ul style="list-style-type: none">- Ticker.- Title.- Museum.- Starting date.- Ending date.- “Passed” if the ending date is in the past.- Price |
| Expected Outcome | All of the information detailed above should be shown. |
| Notes | URL to list the search results (in case necessary): exhibition/critic/listResults.do?keyword= |

| Test #002 | |
|-------------------------|--|
| Description | You must log in as a Critic, display the exhibition’s search engine and search for a keyword which may have several results, for example, letter “a”. Click on all of the pagination links that are shown: “First”, “Prev”, “Next”, and “Last”. |
| Expected Outcome | No exception or error should be thrown. |
| Notes | URL to list the search results (in case necessary): exhibition/critic/listResults.do?keyword= |

| Test #003 | |
|--------------------|--|
| Description | <p>You must log in as a Critic, display the exhibition's search engine and search for a keyword which may have several results, for example, letter "a".</p> <p>Click all the links shown in the table. That is: title and museum.</p> |
| Expected | No exception or error should be thrown. |
| Outcome | |
| Notes | <p>URL to list the search results (in case necessary): exhibition/critic/listResults.do?keyword=</p> |

| Test #004 | |
|--------------------|---|
| Description | <p>You must log in as a Critic, display the exhibition's search engine and search for a keyword which may have several results, for example, letter "a".</p> <p>Check that the dates follow the pattern MM/dd/yyyy hh:mm in English and dd/MM/yyyy hh:mm in Spanish.</p> <p>Check that the prices follow the pattern €X.XX in English and X,XX€ in Spanish.</p> |
| Expected | The information should follow the indicated patterns. |
| Outcome | |
| Notes | <p>URL to list the search results (in case necessary): exhibition/critic/listResults.do?keyword=</p> |

| Test #005 | |
|--------------------|--|
| Description | <p>You must log in as a Critic, display the exhibition's search engine and search for a keyword which may have several results, for example, letter "a". Display an exhibition which hasn't started yet.</p> <p>Assert that the "General Information" section shows the following information:</p> <ul style="list-style-type: none"> - "From" and "to" dates. - Museum. - Exhibition. - Price. - Ticker. - Websites of Interest. - Category. <p>Assert that the "Description" section is shown.</p> <p>Assert that the artworks' listing shows the following information:</p> <ul style="list-style-type: none"> - Title. - Photograph. - Creator's name. - Year. - Mode. <p>Assert that the critiques' listing shows the following information:</p> <ul style="list-style-type: none"> - Critic. - Title. - Score. <p>Assert that the guides' listing shows the following information:</p> <ul style="list-style-type: none"> - Name. - Surnames. - Email. |
| Expected | All of the information detailed above should be shown. |
| Outcome | |
| Notes | URL to display an exhibition (in case necessary): exhibition/critic/display.do?exhibitionId= |

| Test #006 | |
|--------------------|--|
| Description | <p>You must log in as a Critic, display the exhibition's search engine and search for a keyword which may have several results, for example, letter "a". Display an exhibition which hasn't started yet.</p> <p>Click on all of the pagination links that are shown: "First", "Prev", "Next", and "Last".</p> <p>Check it for the artworks, critiques and guides listings.</p> |
| Expected | No exception or error should be thrown. |
| Outcome | |
| Notes | URL to display an exhibition (in case necessary): exhibition/critic/display.do?exhibitionId= |

| Test #007 | |
|-------------------------|---|
| Description | <p>You must log in as a Critic, display the exhibition's search engine and search for a keyword which may have several results, for example, letter "a". Display an exhibition which hasn't started yet.</p> <p>Click all the links shown. That is:</p> <ul style="list-style-type: none"> - In the "General Information" click on the museum and category links. - In the artworks listing, click on the title. - In the critiques listing, click on the title. |
| Expected Outcome | No exception or error should be thrown. |
| Notes | URL to display an exhibition (in case necessary): exhibition/critic/display.do?exhibitionId= |

| Test #008 | |
|-------------------------|---|
| Description | <p>You must log in as a Critic, display the exhibition's search engine and search for a keyword which may have several results, for example, letter "a". Display an exhibition which hasn't started yet.</p> <p>Check that the dates follow the pattern MM/dd/yyyy hh:mm in English and dd/MM/yyyy hh:mm in Spanish.</p> <p>Check that the prices follow the pattern €X.XX in English and X,XX€ in Spanish.</p> <p>Check that the artwork photographs are shown as images and not as links.</p> |
| Expected Outcome | The information should follow the indicated patterns. |
| Notes | URL to display an exhibition (in case necessary): exhibition/critic/display.do?exhibitionId= |

| Test #009 | |
|-------------------------|--|
| Description | <p>You must log in as a Critic, display the exhibition's search engine and search for a keyword which may have several results, for example, letter "a". Display an exhibition which hasn't started yet. Click on the link to write a Critique for that exhibition.</p> <p>Assert that the form shows the following information:</p> <ul style="list-style-type: none"> - Title. - Description. - Score |
| Expected Outcome | All of the information detailed above should be shown. |
| Notes | URL to write a Critique (in case necessary): critique/critic/create.do?exhibitionId= |

| Test #010 | |
|--------------------|---|
| Description | <p>You must log in as a Critic, display the exhibition's search engine and search for a keyword which may have several results, for example, letter "a". Display an exhibition which hasn't started yet. Click on the link to write a Critique for that exhibition.</p> <p>Enter the following information:</p> <ul style="list-style-type: none"> - Title: "" - Description: "" - Score: "" <p>Now try to save the Critique. Once the errors are shown, click on the "Cancel" button.</p> |
| Expected | You should be redirected to the display of the exhibition you were writing a Critique for. |
| Outcome | |
| Notes | URL to write a Critique (in case necessary): critique/critic/create.do?exhibitionId= |

| Test #011 | |
|--------------------|--|
| Description | <p>You must log in as a Critic, display the exhibition's search engine and search for a keyword which may have several results, for example, letter "a". Display an exhibition which hasn't started yet. Click on the link to write a Critique for that exhibition.</p> <p>Enter the following information:</p> <ul style="list-style-type: none"> - Title: "" - Description: "" - Score: "" <p>Now try to save the Critique.</p> |
| Expected | You should get a "Must not be blank" error in the title and description fields, and a "Cannot be null" error in the score field. |
| Outcome | |
| Notes | URL to write a Critique (in case necessary): critique/critic/create.do?exhibitionId= |

| Test #012 | |
|--------------------|---|
| Description | <p>You must log in as a Critic, display the exhibition's search engine and search for a keyword which may have several results, for example, letter "a". Display an exhibition which hasn't started yet. Click on the link to write a Critique for that exhibition.</p> <p>Enter the following information:</p> <ul style="list-style-type: none"> - Title: "a" - Description: "a" - Score: "1.5" <p>Now try to save the Critique.</p> |
| Expected | You should get an "Invalid amount" error in the score field. |
| Outcome | |
| Notes | URL to write a Critique (in case necessary): critique/critic/create.do?exhibitionId= |

| Test #013 | |
|--------------------|--|
| Description | <p>You must log in as a Critic, display the exhibition's search engine and search for a keyword which may have several results, for example, letter "a". Display an exhibition which hasn't started yet. Click on the link to write a Critique for that exhibition.</p> <p>Enter the following information:</p> <ul style="list-style-type: none"> - Title: "<script>alert('hacked!');</script>" - Description: "<script>alert('hacked!');</script>" - Score: "<script>alert('hacked!');</script>" <p>Now try to save the Critique.</p> |
| Expected | You should get an "Insecure HTML" error in the title and description fields, and an "Invalid amount" error in the score field. |
| Outcome | |
| Notes | URL to write a Critique (in case necessary): critique/critic/create.do?exhibitionId= |

| Test #014 | |
|--------------------|---|
| Description | <p>You must log in as a Critic, display the exhibition's search engine and search for a keyword which may have several results, for example, letter "a". Display an exhibition which hasn't started yet. Click on the link to write a Critique for that exhibition.</p> <p>Now inspect the HTML code (Ctrl + U, if you are using Google Chrome). Look for any "hidden" information in the HTML.</p> |
| Expected | Only a hidden input named "exhibition" should be found. |
| Outcome | |
| Notes | URL to write a Critique (in case necessary): critique/critic/create.do?exhibitionId= |

| Test #015 | |
|--------------------|--|
| Description | <p>You must log in as a Critic.</p> <p>Now go to the database and look for the ID of an exhibition that has already started. Use that ID as the “exhibitionId” parameter in the URL: “critique/critic/create.do?exhibitionId=”</p> |
| Expected | A panic view should be shown. |
| Outcome | |
| Notes | URL to write a Critique (in case necessary): critique/critic/create.do?exhibitionId= |

| Test #016 | |
|--------------------|---|
| Description | <p>You must log in as a Critic.</p> <p>Now use a made-up ID as the “exhibitionId” parameter in the URL: “critique/critic/create.do?exhibitionId=”</p> |
| Expected | A panic view should be shown. |
| Outcome | |
| Notes | URL to write a Critique (in case necessary): critique/critic/create.do?exhibitionId= |

| Test #017 | |
|--------------------|--|
| Description | <p>You must log in as a Critic, display the exhibition’s search engine and search for a keyword which may have several results, for example, letter “a”. Display an exhibition which hasn’t started yet. Display one of its critiques.</p> <p>Click all the links shown. That is: the exhibition where the critique belongs.</p> |
| Expected | No exception or error should be thrown. |
| Outcome | |
| Notes | URL to display a Critique (in case necessary): critique/critic/display.do?critiqueId= |

| Test #018 | |
|--------------------|--|
| Description | <p>You must log in as a Critic, display the exhibition’s search engine and search for a keyword which may have several results, for example, letter “a”. Display an exhibition which hasn’t started yet. Display one of its Critiques.</p> <p>Check that the dates follow the pattern MM/dd/yyyy hh:mm in English and dd/MM/yyyy hh:mm in Spanish.</p> |
| Expected | The information should follow the indicated patterns. |
| Outcome | |
| Notes | URL to display a Critique (in case necessary): critique/critic/display.do?critiqueId= |

| Test #019 | |
|-------------|--|
| Description | You must repeat all tests of this UC 019, but now using the system in Spanish. |
| Expected | All messages should be shown in Spanish. |
| Outcome | |
| Notes | |

Use case 020 Director create an exhibition

Description

A Director wants to create a new exhibition for one of her or his museums. In order to do so, she or he logs in and fill in the form with information regarding the desired exhibition and selects a category and the room where it's going to take place.

Access

"Main Menu > Login" – to access the system.

"Main Menu > My exhibitions" – to retrieve the list of exhibitions of the current director.

"Create an exhibition" link appears below the table in "My Exhibitions"

Tests

| Test #001 | |
|--------------------|--|
| Description | <p>You must log in as a Director that has some museums, rooms and exhibitions and list all her or his exhibitions.</p> <p>For that listing, the following information must be present and rendered properly:</p> <ul style="list-style-type: none">- Ticker- Title- Museum- Starting Date- Ending Date- Price- Sold day passes- Sponsorships <p>Besides, two more columns may appear in order to edit and add a guide if the corresponding exhibition fulfils the requirements. Exhibitions whose ending date is in the past must be flagged as "Passed".</p> <p>The dates must follow the following format: dd/MM/YYYY HH:HH or MM/dd/YYYY HH:HH (depending on the language).</p> <p>Price does also render differently according to the language (Spanish and Anglo-Saxon format respectively).</p> |
| Expected | All of the information detailed above should be shown and rendered properly. |
| Outcome | |
| Notes | |

| Test #002 | |
|--------------------|---|
| Description | <p>You must log in as a Director that has some museums, rooms and exhibitions and list all her or his exhibitions.</p> <p>For that listing, you must check that the following pagination links appear and click on all of them: “First”, “Prev”, “Next”, “Last”</p> |
| Expected | The system shows every link and all of them work as expected. |
| Outcome | |
| Notes | |

| Test #003 | |
|--------------------|---|
| Description | <p>You must log in as a Director that has some museums, rooms and exhibitions and list all her or his exhibitions.</p> <p>For that listing, you must check that the following links work: “Edit”, “Add Guide”, “List All” (in the “Sponsorships” column). You only may able to see some of them depending on the exhibition.</p> <p>In addition, a link to create a new exhibition must appear below the table and must also be fully functional.</p> |
| Expected | All links work as expected, without any panic or wrong view being shown. |
| Outcome | |
| Notes | |

| Test #004 | |
|--------------------|--|
| Description | <p>You must log in as a Director that has some museums, rooms and exhibitions and list all her or his exhibitions.</p> <p>For the forthcoming form, you must check that it contains the following fields:</p> <ul style="list-style-type: none"> - Ticker - Title - Description - Starting date - Ending date - Websites of interest - Privacy - Price (editable only if exhibition is private) - Category - Room <p>Furthermore, a list with the current exhibitions dates and rooms must be shown on the right side of the page.</p> |
| Expected | The system renders the form correctly and containing all of the fields. |
| Outcome | |
| Notes | |

| Test #005 | |
|--------------------|--|
| Description | <p>You must log in as a Director. Then, click on the link to create a new exhibition.</p> <p>For the forthcoming form, you may leave all field in blank. Click on the “Save” button.</p> <p>When all the error messages have appeared, click on the “Cancel” button.</p> |
| Expected | You must be redirected to the listing of the exhibitions created by the current director (“My Exhibitions” view). |
| Outcome | |
| Notes | |

| Test #006 | |
|--------------------|--|
| Description | <p>You must log in as a Director. Then, click on the link to create a new exhibition.</p> <p>For the forthcoming form, you may leave all fields in blank and click on the “Save” button.</p> |
| Expected | <p>The system must reject the input and show the following list of error messages:</p> <ul style="list-style-type: none"> - Ticker: Does not match the pattern - Title: Must not be blank - Description: Must not be blank - Starting Date: Cannot be null - Ending Date: Cannot be null - Websites of Interest: Must not be empty - Category: Cannot be null - Room: Cannot be null |
| Outcome | |
| Notes | |

| Test #007 | |
|--------------------|---|
| Description | <p>You must log in as a Director that has some museums, rooms and exhibitions and list all her or his exhibitions.</p> <p>Enter the following data in the forthcoming form:</p> <ul style="list-style-type: none"> - Ticker: T3ST - Title: Test - Description: Test - Starting date: 20/09/2018 00:00 - Ending date: 21/09/2018 00:00 - Websites of interest: http://www.google.es, http://www.apple.es - Privacy: Public - Price: (Does not apply) - Category: Paintings - Room: Select one that does not have any exhibitions in those dates (you may find it helpful the information about dates and rooms on your right) |
| Expected | The system accepts the operation and redirects to the display view of the recently created exhibition. Furthermore, the details match the introduced information. |
| Outcome | |
| Notes | |

| Test #008 | |
|--------------------|---|
| Description | <p>You must log in as a Director that has some museums, rooms and exhibitions and list all her or his exhibitions (the same that in the previous test case).</p> <p>Enter the following data in the forthcoming form (after executing the previous test case):</p> <ul style="list-style-type: none"> - Ticker: T3ST - Title: Test - Description: Test - Starting date: 22/09/2018 00:00 - Ending date: 23/09/2018 00:00 - Websites of interest: http://www.google.es - Privacy: Public - Price: (Does not apply) - Category: Paintings - Room: Select one that does not have any exhibitions in those dates (you may find it helpful the information about dates and rooms on your right) |
| Expected | The system rejects the data by displaying a “Could not commit this operation” error message below the form. |
| Outcome | |
| Notes | |

| Test #009 | |
|--------------------|--|
| Description | <p>You must log in as a Director that has some museums, rooms and exhibitions and list all her or his exhibitions.</p> <p>Enter the following data in the forthcoming form:</p> <ul style="list-style-type: none"> - Ticker: <script>alert('Hola');</script> - Title: <script>alert('Hola');</script> - Description: <script>alert('Hola');</script> - Starting date: 24/09/2018 00:00 - Ending date: 25/09/2018 00:00 - Websites of interest: http://www.google.es - Privacy: Private - Price: -13.0 - Category: Avant-Garde - Room: Select one that does not have any exhibitions in those dates (you may find it helpful the information about dates and rooms on your right) |
| Expected | <p>The system must reject the input and show the following list of error messages:</p> <ul style="list-style-type: none"> - Ticker: Does not match the pattern - Title: Insecure HTML - Description: Insecure HTML - Price: Too small (min = 0.0) |
| Outcome | |
| Notes | |

| Test #010 | |
|--------------------|---|
| Description | <p>You must log in as a Director that has some museums, rooms and exhibitions and list all her or his exhibitions.</p> <p>Enter the following data in the forthcoming form:</p> <ul style="list-style-type: none"> - Ticker: T4ST - Title: Test - Description: Test - Starting date: 26/09/2018 00:00 - Ending date: 27/09/2018 00:00 - Websites of interest: http://www.google.es - Privacy: Private - Price: 0 - Category: Paintings - Room: Select one that does not have any exhibitions in those dates (you may find it helpful the information about dates and rooms on your right) |
| Expected | <p>The system must reject the input and display an error message below the form: "Could not commit this operation"</p> |
| Outcome | |
| Notes | |

| Test #011 | |
|--------------------|--|
| Description | <p>You must log in as a Director that has some museums, rooms and exhibitions and list all her or his exhibitions.</p> <p>Enter the following data in the forthcoming form:</p> <ul style="list-style-type: none"> - Ticker: T5ST - Title: Test - Description: Test - Starting date: (A free future date before another exhibition own by the same director starts) - Ending date: (A date in between that other exhibition's range) - Websites of interest: http://www.google.es - Privacy: Private - Price: 12.9 - Category: Paintings - Room: Select the room the other exhibition you chose has in those dates. |
| Expected | The system must reject the input and display an error message below the form: "Could not commit this operation" |
| Outcome | |
| Notes | |

| Test #012 | |
|--------------------|--|
| Description | <p>You must log in as a Director that has some museums, rooms and exhibitions and list all her or his exhibitions.</p> <p>Enter the following data in the forthcoming form:</p> <ul style="list-style-type: none"> - Ticker: T6ST - Title: Test - Description: Test - Starting date: 28/09/2018 00:00 - Ending date: 29/09/2018 00:00 - Websites of interest: http://www.google.es,invalidURL - Privacy: Private - Price: 12 - Category: Paintings - Room: Select one that does not have any exhibitions in those dates (you may find it helpful the information about dates and rooms on your right) |
| Expected | The system must reject the input and display an error message below the form: "Could not commit this operation" |
| Outcome | |
| Notes | |

| Test #013 | |
|--------------------|---|
| Description | <p>You must log in as a Director that has some museums, rooms and exhibitions and list all her or his exhibitions.</p> <p>Enter the following data in the forthcoming form:</p> <ul style="list-style-type: none"> - Ticker: T7ST - Title: Test - Description: Test - Starting date: 02/10/2018 00:00 - Ending date: 01/10/2018 00:00 - Websites of interest: http://www.google.es - Privacy: Private - Price: 13.4 - Category: Paintings - Room: Select one that does not have any exhibitions in those dates (you may find it helpful the information about dates and rooms on your right) |
| Expected | The system must reject the input and display an error message below the form: "Could not commit this operation" |
| Outcome | |
| Notes | |

| Test #014 | |
|--------------------|--|
| Description | <p>You must log in as a Director that has some museums, rooms and exhibitions and list all her or his exhibitions.</p> <p>Enter the following data in the forthcoming form:</p> <ul style="list-style-type: none"> - Ticker: T8ST - Title: Test - Description: Test - Starting date: Select the starting of one of the current exhibitions of the director. - Ending date: Select the ending of the same exhibition you chose for the starting date. - Websites of interest: http://www.google.es - Privacy: Private - Price: 9.99 - Category: Paintings - Room: Select a room that already has an exhibition in those dates. |
| Expected | The system must reject the input and display an error message below the form: "Could not commit this operation" |
| Outcome | |
| Notes | |

| Test #015 | |
|--------------------|---|
| Description | <p>You must log in as a Director that has some museums, rooms and exhibitions and list all her or his exhibitions.</p> <p>In the forthcoming dialog you must inspect the HTML code (Ctrl + U, if you are using Google Chrome). Look for any “hidden” information in the HTML.</p> |
| Expected | The only hidden HTML elements you may find are id and version respectively. |
| Outcome | |
| Notes | |

| Test #016 | |
|--------------------|--|
| Description | <p>You must log in as a Director that does not have any museums.</p> <p>Then, try to create a new exhibition.</p> |
| Expected | You should be prompted with the following error: “ You won't be able to create an exhibition until you create a room for one of your museums.” Furthermore, a fully functional “Go Back” button must appear below the message. |
| Outcome | |
| Notes | |

| Test #017 | |
|--------------------|--|
| Description | <p>You must log in as a Director that does have museums but no rooms.</p> <p>Then, try to create a new exhibition.</p> |
| Expected | You should be prompted with the following error: “ You won't be able to create an exhibition until you create a room for one of your museums.” Furthermore, a fully functional “Go Back” button must appear below the message. |
| Outcome | |
| Notes | |

| Test #018 | |
|--------------------|--|
| Description | You must repeat all tests of this UC 020, but now using the system in Spanish. |
| Expected | All the corresponding messages must be rendered properly in Spanish. |
| Outcome | |
| Notes | |

Use case 021 Director edit an exhibition

Description

A Director wants to edit an exhibition of her/his own to update some details. In order to do so, she/he must log in as a director, then list her exhibitions, and edit one of them.

Access

“Main Menu > Login” – to access the system.

“Main Menu > My exhibitions” – to retrieve the list of exhibitions of the current director.

“Edit” link appears in the table for every exhibition if it hasn’t started yet.

Tests

| Test #001 | |
|-------------|--|
| Description | <p>You must log in as a Director that has some museums, rooms and editable exhibitions and list all her or his exhibitions.</p> <p>For that listing, you must check that the “Edit” link appears only on those exhibitions that haven’t started yet.</p> |
| Expected | The “Edit” link is correctly shown only in the scenarios described above. |
| Outcome | |
| Notes | URL to edit an Exhibition (in case of necessity): exhibition/director/edit.do?exhibitionId= |

| Test #002 | |
|-------------------------|--|
| Description | <p>You must log in as a Director that has some museums, rooms and editable exhibitions and list all her or his exhibitions. Next, choose to edit one of the exhibitions of the listing that is public and has not started yet.</p> <p>For the forthcoming form, you must check that it contains the following fields:</p> <ul style="list-style-type: none"> - Title - Description - Starting date - Ending date - Websites of interest - Privacy - Price - Category - Room |
| Expected Outcome | The system renders the form correctly and containing all of the fields. |
| Notes | URL to edit an Exhibition (in case of necessity): exhibition/director/edit.do?exhibitionId= |

| Test #003 | |
|-------------------------|--|
| Description | <p>You must log in as a Director that has some museums, rooms and editable exhibitions and list all her or his exhibitions. Next, choose to edit one of the exhibitions of the listing that is private, has not started yet and does not have any sold day passes.</p> <p>For the forthcoming form, you must check that it contains the following fields:</p> <ul style="list-style-type: none"> - Title - Description - Starting date - Ending date - Websites of interest - Privacy - Price - Category - Room |
| Expected Outcome | The system renders the form correctly and containing all of the fields. |
| Notes | URL to edit an Exhibition (in case of necessity): exhibition/director/edit.do?exhibitionId= |

| Test #004 | |
|-------------------------|---|
| Description | <p>You must log in as a Director that has some museums, rooms and editable exhibitions and list all her or his exhibitions. Next, choose to edit one of the exhibitions of the listing that is private, has not started yet and does have some sold day passes.</p> <p>For the forthcoming form, you must check that it contains the following fields:</p> <ul style="list-style-type: none"> - Title - Description - Websites of interest - Category |
| Expected Outcome | The system renders the form correctly and containing all of the fields. |
| Notes | <p>URL to edit an Exhibition (in case of necessity): exhibition/director/edit.do?exhibitionId=</p> |

| Test #005 | |
|-------------------------|---|
| Description | <p>You must log in as a Director that has some museums, rooms and editable exhibitions and list all her or his exhibitions. Next, choose to edit one of the exhibitions of the listing.</p> <p>For the forthcoming form, you may leave all fields in blank. Click on the “Save” button.</p> <p>When all the error messages have appeared, click on the “Cancel” button.</p> |
| Expected Outcome | You must be redirected to the listing of the exhibitions created by the current director (“My Exhibitions” view). |
| Notes | <p>URL to edit an Exhibition (in case of necessity): exhibition/director/edit.do?exhibitionId=</p> |

| Test #006 | |
|--------------------|---|
| Description | <p>You must log in as a Director that has some museums, rooms and editable exhibitions and list all her or his exhibitions. Next, choose to edit one of the public exhibitions of the listing that hasn't started yet.</p> <p>For the forthcoming form, you may leave all fields in blank and click on the "Save" button.</p> |
| Expected | <p>The system must reject the input and show the following list of error messages:</p> <ul style="list-style-type: none"> - Title: Must not be blank - Description: Must not be blank - Starting Date: Cannot be null - Ending Date: Cannot be null - Websites of Interest: Must not be empty - Price (in case private): Cannot be null - Category: Cannot be null - Room: Cannot be null |
| Outcome | |
| Notes | <p>URL to edit an Exhibition (in case of necessity): exhibition/director/edit.do?exhibitionId=</p> |

| Test #007 | |
|--------------------|--|
| Description | <p>You must log in as a Director that has some museums, rooms and editable exhibitions and list all her or his exhibitions. Next, choose to edit one of the public exhibitions of the listing that hasn't started yet.</p> <p>Enter the following data in the forthcoming form:</p> <ul style="list-style-type: none"> - Title: Test Edit - Description: Test Edit - Starting date: 03/10/2018 00:00 - Ending date: 04/10/2018 00:00 - Websites of interest: http://www.google.es, http://www.apple.es - Privacy: Price - Price: 10.3 - Category: Mesopotamia - Room: Select one that does not have any exhibitions in those dates (you may find it helpful the information about dates and rooms on your right) |
| Expected | <p>The system accepts the operation and redirects to the display view of the recently created exhibition. Furthermore, the details shown match the introduced information.</p> |
| Outcome | |
| Notes | <p>URL to edit an Exhibition (in case of necessity): exhibition/director/edit.do?exhibitionId=</p> |

| Test #008 | |
|--------------------|--|
| Description | <p>You must log in as a Director that has some museums, rooms and editable exhibitions and list all her or his exhibitions. Next, choose to edit one of the private exhibitions of the listing that has not started yet and does not have any day passes.</p> <p>Enter the following data in the forthcoming form:</p> <ul style="list-style-type: none"> - Title: Test Edit - Description: Test Edit - Starting date: 05/10/2018 00:00 - Ending date: 06/10/2018 00:00 - Websites of interest: http://www.google.es, http://www.apple.es - Privacy: Public - Price: (Does not apply) - Category: Avant-Garde - Room: Select one that does not have any exhibitions in those dates (you may find it helpful the information about dates and rooms on your right) |
| Expected | The system accepts the operation and redirects to the display view of the recently created exhibition. Furthermore, the details shown match the introduced information. |
| Outcome | |
| Notes | URL to edit an Exhibition (in case of necessity): exhibition/director/edit.do?exhibitionId= |

| Test #009 | |
|--------------------|---|
| Description | <p>You must log in as a Director that has some museums, rooms and editable exhibitions and list all her or his exhibitions. Next, choose to edit one of the public exhibitions of the listing that hasn't started yet.</p> <p>Enter the following data in the forthcoming form (do not modify the others):</p> <ul style="list-style-type: none"> - Title: <code><script>alert('Hola');</script></code> - Description: <code><script>alert('Hola');</script></code> - Privacy: Private - Price: -19 |
| Expected | <p>The system must reject the input and show the following list of error messages:</p> <ul style="list-style-type: none"> - Title: Insecure HTML - Description: Insecure HTML - Price: Too small (min = 0.0) |
| Outcome | |
| Notes | URL to edit an Exhibition (in case of necessity): exhibition/director/edit.do?exhibitionId= |

| Test #010 | |
|--------------------|---|
| Description | <p>You must log in as a Director that has some museums, rooms and editable exhibitions and list all her or his exhibitions. Next, choose to edit one of the public exhibitions of the listing that hasn't started yet.</p> <p>Enter the following data in the forthcoming form (do not modify the others):</p> <ul style="list-style-type: none"> - Privacy: Private - Price: 0 |
| Expected | The system must reject the input and display an error message below the form: "Could not commit this operation" |
| Outcome | |
| Notes | URL to edit an Exhibition (in case of necessity): exhibition/director/edit.do?exhibitionId= |

| Test #011 | |
|--------------------|--|
| Description | <p>You must log in as a Director that has some museums, rooms and editable exhibitions and list all her or his exhibitions. Next, choose to edit one of the private exhibitions of the listing that has not started yet and does not have any day passes.</p> <p>Enter the following data in the forthcoming form (do not modify the others):</p> <ul style="list-style-type: none"> - Starting date: (Increase the date a couple of hours ahead so as to still be in range, but not to exceed the endDate) |
| Expected | The system accepts the operation and redirects to the display view of the recently created exhibition. Furthermore, the details shown match the introduced information. |
| Outcome | |
| Notes | URL to edit an Exhibition (in case of necessity): exhibition/director/edit.do?exhibitionId= |

| Test #012 | |
|--------------------|---|
| Description | <p>You must log in as a Director that has some museums, rooms and exhibitions and list all her or his exhibitions. Next, choose to edit one of the private exhibitions of the listing that has not started yet and does not have any day passes.</p> <p>Enter the following data in the forthcoming form (do not modify the others):</p> <ul style="list-style-type: none"> - Starting date: (Make it equal to the ending date of the precisely previous exhibition taking place in the same room) |
| Expected | The system must reject the input and display an error message below the form: "Could not commit this operation" |
| Outcome | |
| Notes | URL to edit an Exhibition (in case of necessity): exhibition/director/edit.do?exhibitionId= |

| Test #013 | |
|--------------------|--|
| Description | <p>You must log in as a Director that has some museums, rooms and exhibitions and list all her or his exhibitions. Next, choose to edit one of the public exhibitions of the listing that has not started yet.</p> <p>Enter the following data in the forthcoming form (do not modify the others):</p> <ul style="list-style-type: none"> - Ending date: (Make it equal to the starting date of the precisely following exhibition taking place in the same room) |
| Expected | The system must reject the input and display an error message below the form: "Could not commit this operation" |
| Outcome | |
| Notes | URL to edit an Exhibition (in case of necessity): exhibition/director/edit.do?exhibitionId= |

| Test #014 | |
|--------------------|--|
| Description | You must log in as a Director that has some museums, rooms and exhibitions and list all her or his exhibitions. Next, try to edit an already starting exhibition of his or her own using the provided URL. |
| Expected | The system must reject the input and display a Panic View (IllegalArgumentException) |
| Outcome | |
| Notes | URL to edit an Exhibition (in case of necessity): exhibition/director/edit.do?exhibitionId= |

| Test #015 | |
|--------------------|---|
| Description | You must log in as a Director that has some museums, rooms and exhibitions and list all her or his exhibitions. Next, try to edit an exhibition that has not started yet and belongs to another Director. |
| Expected | The system must reject the input and display a Panic View (IllegalArgumentException) |
| Outcome | |
| Notes | URL to edit an Exhibition (in case of necessity): exhibition/director/edit.do?exhibitionId= |

| Test #016 | |
|--------------------|---|
| Description | <p>You must log in as a Director that has some museums, rooms and exhibitions and list all her or his exhibitions. Next, choose to edit one of the public exhibitions of the listing that has not started yet.</p> <p>In the forthcoming dialog you must inspect the HTML code (Ctrl + U, if you are using Google Chrome). Look for any “hidden” information in the HTML.</p> |
| Expected | The only hidden HTML elements you may find are id and version respectively. |
| Outcome | |
| Notes | |

| Test #017 | |
|--------------------|--|
| Description | <p>You must log in as a Director that has some museums, rooms and exhibitions and list all her or his exhibitions. Next, choose to edit one of the private exhibitions of the listing that has not started yet.</p> <p>In the forthcoming dialog you must inspect the HTML code (Ctrl + U, if you are using Google Chrome). Look for any “hidden” information in the HTML.</p> |
| Expected | The only hidden HTML elements you may find are id and version respectively. |
| Outcome | |
| Notes | |

| Test #018 | |
|--------------------|--|
| Description | You must repeat all tests of this UC 021, but now using the system in Spanish. |
| Expected | All the corresponding messages must be rendered properly in Spanish. |
| Outcome | |
| Notes | |

Use case 022 Director add guide to an exhibition

Description

An administrator wants to add a guide to one of her/his exhibitions. In order to do so, she/he must log in as a director, then list his exhibitions, and add the guides to the exhibition.

Access

“Main Menu > Login” – to authenticate in the system

“Main Menu > My Exhibitions” – to list the exhibitions created by a director

“My Exhibitions > Add guide” - to add a guide to an exhibition

Tests

| Test #001 | |
|--------------------|--|
| Description | You must login as director1/director1. On the main menu, click on My Exhibitions. Look for an exhibition where it is possible to add guides (Sasha Velour: NIGHTGOWNS for example). Then click on “Add guide”. On the edition form, you can add one or more guides (by pushing the Ctrl key). Add only one of them. Then, click on Save. |
| Expected | The system must redirect you to the display view of the exhibition. If you look at the guides table, the recently-selected guide must be there. |
| Outcome | |
| Notes | URL to list my exhibitions (In case necessary): exhibition/director/listMine.do |

| Test #002 | |
|--------------------|--|
| Description | You must login as director1/director1. On the main menu, click on My Exhibitions. Look for an exhibition where it is possible to add guides (Sasha Velour: NIGHTGOWNS for example). Then click on “Add guide”. On the edition form, you can add one or more guides (by pushing the Ctrl key). Add all of them. Then, click on Save. As soon as you get to the display view of the exhibition, click again on “My Exhibitions”. Search for the same exhibition again and click on “Add guide” |
| Expected | As soon as you get to the edition form for the second time, there should be a message in red that says: There’s no available guide to add. |
| Outcome | |
| Notes | URL to list my exhibitions (In case necessary): exhibition/director/listMine.do |

| Test #003 | |
|--------------------|--|
| Description | You must login as director1/director1. On the main menu, click on My Exhibitions. Look for an exhibition where it is possible to add guides (In Lapide Depictum for example). Then click on "Add guide". On the edition form, click on Cancel. |
| Expected | The system must redirect you to the list of the exhibitions created by the director1 again. |
| Outcome | |
| Notes | URL to list my exhibitions (In case necessary): exhibition/director/listMine.do |

| Test #004 | |
|--------------------|---|
| Description | You must login as director1/director1. On the main menu, click on My Exhibitions. Look for an exhibition where it is possible to add guides (In Lapide Depictum for example). Then click on "Add guide". On the edition form, don't select any of the guides and click on Save. |
| Expected | The system must redirect you to the display of the exhibition, but if you look at the table of guides, none of the previous guides were added. |
| Outcome | |
| Notes | URL to list my exhibitions (In case necessary): exhibition/director/listMine.do |

| Test #005 | |
|--------------------|--|
| Description | You must login as director1/director1. On the main menu, click on My Exhibitions. Look for an exhibition where it is possible to add guides (In Lapide Depictum for example). Copy the URL of "Add guide" of any of the exhibitions and put in the browser. Change the exhibitionId for "1" for example and enter the URL. |
| Expected | You should get a panic view with the following exception: IllegalArgumentException |
| Outcome | |
| Notes | URL to list my exhibitions (In case necessary): exhibition/director/listMine.do |

| Test #006 | |
|--------------------|---|
| Description | You must login as director1/director1. On the main menu, click on My Exhibitions. Look for an exhibition where it is possible to add guides (In Lapide Depictum for example). Copy the URL of "Add guide" of any of the exhibitions and put in the browser. Change the exhibitionId for an id of another exhibition which doesn't belong to the director1 (you can get one in the Exhibition's Search) and enter the URL. |
| Expected | You should get a panic view with the following exception: IllegalArgumentException |
| Outcome | |
| Notes | URL to list my exhibitions (In case necessary): exhibition/director/listMine.do |

Use case 023 Director delete exhibition

Description

An administrator wants to delete an exhibition of her or his own. In order to do so, she must log in to and display the corresponding exhibition in order to be able to click on a link that will perform the operation.

Access

“Main Menu > Login” – to access the system.

“Main Menu > My exhibitions” – to retrieve the list of exhibitions of the current director.

In the listing, click on the title of an exhibition – to display it.

“Delete this exhibition” link appears in the display of an exhibition if the director displaying it is the owner, it has not started yet and there are no sponsorships requests. In addition, if the exhibition were private, no day passes could have been bought.

Tests

| Test #001 | |
|--------------------|--|
| Description | <p>You must log in as a Director, list his or her exhibitions and select one that has some artworks, critiques and assigned guides . Display it and check the following statements:</p> <p>Assert that the artworks’ listing shows the following information:</p> <ul style="list-style-type: none">- Title.- Photograph.- Creator’s name.- Year.- Mode. <p>Assert that the critiques’ listing shows the following information:</p> <ul style="list-style-type: none">- Critic.- Title.- Score. <p>Assert that the guides’ listing shows the following information:</p> <ul style="list-style-type: none">- Name.- Surnames.- Email. <p>Regarding the title of the artworks, a message should appear flagging them as highlights if they are so.</p> |
| Expected | All of the information detailed above should be shown correctly. |
| Outcome | |
| Notes | URL to display an exhibition (in case necessary): exhibition/director/display.do?exhibitionId= |

| Test #002 | |
|--------------------|---|
| Description | <p>You must log in as a Director, list his or her exhibitions and select one that has some artworks, critiques and assigned guides . Display it and check the following statements:</p> <p>Click on all of the pagination links that are shown: “First”, “Prev”, “Next”, and “Last”.</p> <p>Check it for the artworks, critiques and guides listings.</p> |
| Expected | No exception or error should be thrown. |
| Outcome | |
| Notes | URL to display an exhibition (in case necessary): exhibition/director/display.do?exhibitionId= |

| Test #003 | |
|--------------------|--|
| Description | <p>You must log in as a Director, list his or her exhibitions and select one that has some artworks, critiques and assigned guides . Display it and check the following statements:</p> <p>Click all the links shown. That is:</p> <ul style="list-style-type: none"> - In the “General Information” click on the museum and category links. - In the artworks listing, click on the title. - In the critiques listing, click on the title. |
| Expected | No exception or error should be thrown. |
| Outcome | |
| Notes | URL to display an exhibition (in case necessary): exhibition/director/display.do?exhibitionId= |

| Test #004 | |
|--------------------|--|
| Description | <p>You must log in as a Director, list his or her exhibitions and select one that has some artworks, critiques and assigned guides . Display it and check the following statements:</p> <p>Check that the dates follow the pattern MM/dd/yyyy hh:mm in English and dd/MM/yyyy hh:mm in Spanish.</p> <p>Check that the prices follow the pattern €X.XX in English and X,XX€ in Spanish.</p> <p>Check that the artwork photographs are shown as images and not as links.</p> |
| Expected | The information should follow the indicated patterns. |
| Outcome | |
| Notes | URL to display an exhibition (in case necessary): exhibition/director/display.do?exhibitionId= |

| Test #005 | |
|--------------------|--|
| Description | <p>You must log in as a Director that owns some public exhibition that has not started and does not have any sponsorships (that also includes the ones that are not accepted yet).</p> <p>Display an exhibition that fulfils the above requirements.</p> |
| Expected | The system must render the view correctly and a link to be able to delete the exhibition must appear below its name. |
| Outcome | |
| Notes | <p>URL to display an exhibition (in case of necessity): exhibition/director/display.do?exhibitionId=</p> <p>URL to delete an exhibition (in case of necessity): exhibition/director/delete.do?exhibitionId=</p> |

| Test #002 | |
|--------------------|---|
| Description | <p>You must log in as a Director that owns some private exhibition that has not started yet, does neither have any day passes nor sponsorships (that also includes the ones that are not accepted yet).</p> <p>Display an exhibition that fulfils the above requirements.</p> |
| Expected | The system must render the view correctly and a link to be able to delete the exhibition must appear below its name. |
| Outcome | |
| Notes | <p>URL to display an exhibition (in case of necessity): exhibition/director/display.do?exhibitionId=</p> <p>URL to delete an exhibition (in case of necessity): exhibition/director/delete.do?exhibitionId=</p> |

| Test #003 | |
|--------------------|---|
| Description | <p>You must log in as a Director that owns some public exhibition that has not started and does not have any sponsorships (that also includes the ones that are not accepted yet).</p> <p>Display an exhibition that fulfils the above requirements. Copy the current URL. Click on the “Delete this exhibition” link that must appear below the name (in case it does not please, use the provided link)</p> |
| Expected | The system must accept the operation and return to the listing of “My exhibitions”. Furthermore, when trying to access to the URL in the clipboard, a Panic View should be shown (IllegalArgumentException) |
| Outcome | |
| Notes | <p>URL to display an exhibition (in case of necessity): exhibition/director/display.do?exhibitionId=</p> <p>URL to delete an exhibition (in case of necessity): exhibition/director/delete.do?exhibitionId=</p> |

| Test #004 | |
|--------------------|---|
| Description | <p>You must log in as a Director that owns some exhibition that has not started yet and does not have any sponsorships (that also includes the ones that are not accepted yet). In addition, if the exhibition were private, day passes are neither allowed.</p> <p>Display an exhibition that fulfils the above requirements and copy the URL that would perform the delete operation (in the display view). Log in as another Director, paste the URL and try to perform the operation.</p> |
| Expected | The system must accept reject operation and return to the listing of “My exhibitions”. Furthermore, an error message must appear below the table, namely “Could not commit this operation”. |
| Outcome | |
| Notes | <p>URL to display an exhibition (in case of necessity): exhibition/director/display.do?exhibitionId=</p> <p>URL to delete an exhibition (in case of necessity): exhibition/director/delete.do?exhibitionId=</p> |

| Test #005 | |
|--------------------|--|
| Description | <p>You must log in as a Director that owns some exhibition that has already started and does not have any sponsorships (that also includes the ones that are not accepted yet). In addition, if the exhibition were private, day passes are neither allowed.</p> <p>Assert that the link to remove an Exhibition does not appear in the display. Try to perform the operation by using the provided the URL.</p> |
| Expected | The system must accept reject operation and return to the listing of “My exhibitions”. Furthermore, an error message must appear below the table, namely “Could not commit this operation”. |
| Outcome | |
| Notes | <p>URL to display an exhibition (in case of necessity): exhibition/director/display.do?exhibitionId=</p> <p>URL to delete an exhibition (in case of necessity): exhibition/director/delete.do?exhibitionId=</p> |

| Test #006 | |
|--------------------|--|
| Description | Repeat the entire UC-023 but now with the language in Spanish. |
| Expected | Check that messages and views are internationalized. |
| Outcome | |
| Notes | |

Use case 024 Director check an incident

Description

An administrator wants to mark an incident as checked. In order to do so, she/he must log in to the system as an administrator, list his incidents and mark one of them as checked.

Access

“Main Menu > Login” – to authenticate in the system

“Main Menu > Incidents” – to list incidents of his rooms

Tests

| Test #001 | |
|-------------|---|
| Description | You must login as director1/director1. On the main menu, click on Incidents. Click on “Mark as checked” in any of them. |
| Expected | The system must redirect you to the same page again, but now, the incident is at the end of the list, because incidents are sorted depending on if they’re checked or not. Look for the incident in the same table and check that it’s checked. |
| Outcome | |
| Notes | URL to list incidents (In case necessary): incident/director/listMine.do |

| Test #002 | |
|-------------|---|
| Description | You must login as director1/director1. On the main menu, click on Incidents. Copy the URL of “Mark as checked” and put it in the browser. Change the value of incidentId for “1” and enter the URL. |
| Expected | You should get a panic view that says: IllegalArgumentException |
| Outcome | |
| Notes | URL to list incidents (In case necessary): incident/director/listMine.do |

| Test #003 | |
|-------------|--|
| Description | You must login as director1/director1. On the main menu, click on Incidents. Copy the URL of “Mark as checked” and put it in the browser. Change the value of incidentId for the id of an incident which doesn’t belong to the director1 (search for it in the database). Enter the URL. |
| Expected | The system must redirect you to the list of incidents, but now with an error that says: Cannot commit this operation. |
| Outcome | |
| Notes | URL to list incidents (In case necessary): incident/director/listMine.do |

| Test #004 | |
|--------------------|--|
| Description | You must login as director1/director1. On the main menu, click on Incidents. Click on the pagination links. |
| Expected | Check that the pagination works correctly and every time you pass the page a new set of incidents are being shown. |
| Outcome | |
| Notes | URL to list incidents (In case necessary): incident/director/listMine.do |

| Test #005 | |
|--------------------|--|
| Description | You must login as director1/director1. On the main menu, click on Incidents. Click on "Security Level" in order to sort the level. |
| Expected | Check that the elements are being sorted in a correct way. (Low < Medium < High) |
| Outcome | |
| Notes | URL to list incidents (In case necessary): incident/director/listMine.do |

| Test #006 | |
|--------------------|---|
| Description | You must login as director1/director1. On the main menu, click on Incidents. Click on the name of the museum of any of the incidents. |
| Expected | The system must correctly redirect you to the display of the museum. |
| Outcome | |
| Notes | URL to list incidents (In case necessary): incident/director/listMine.do |

| Test #007 | |
|--------------------|--|
| Description | Repeat the entire UC-024 but now with the language in Spanish. |
| Expected | Check that everything should be translated except for the messages created by users. |
| Outcome | |
| Notes | URL to list incidents (In case necessary): incident/director/listMine.do |

Use case 025 Director delete an incident

Description

An administrator wants to delete an incident. In order to do so, she/he must log in to the system as an administrator, list her/his incidents and then delete any of them.

Access

“Main Menu > Login” – to authenticate in the system

“Main Menu > Incidents” – to list incidents of his rooms

Tests

| Test #001 | |
|------------------|---|
| Description | You must login as director1/director1. On the main menu, click on Incidents. Assert that the listing shows the following information: <ul style="list-style-type: none">- Text.- Severity level.- “Mark as checked”, if it is ‘PENDING’.- Guide.- Museum.- Room.- “Remove”, if it is ‘PENDING’. |
| Expected Outcome | All of the information detailed above should be shown. |
| Notes | URL to list incidents (In case necessary): incident/director/listMine.do |

| Test #002 | |
|------------------|---|
| Description | You must login as director1/director1. On the main menu, click on Incidents. Delete any of them (The first one for example) |
| Expected Outcome | The system must redirect you to the same page again. Check that the recently-deleted incident isn't there anymore. |
| Notes | URL to list incidents (In case necessary): incident/director/listMine.do |

| Test #003 | |
|------------------|---|
| Description | You must login as director1/director1. On the main menu, click on Incidents. Copy the URL of the “Delete” link and paste it in the browser. Change the incidentId for “1” and then enter the URL. |
| Expected Outcome | You should get a Panic view which says: IllegalArgumentException |
| Notes | URL to list incidents (In case necessary): incident/director/listMine.do |

| Test #004 | |
|--------------------|--|
| Description | You must login as director1/director1. On the main menu, click on Incidents. Copy the URL of the "Delete" link and paste it in the browser. Change the incidentId for the id of another incident which doesn't belong to the director1. (Search for it in the database). Then enter the URL. |
| Expected | The system redirects you to the same page but now with the error: Cannot commit this operation. |
| Outcome | |
| Notes | URL to list incidents (In case necessary): incident/director/listMine.do |

| Test #005 | |
|--------------------|--|
| Description | Repeat the entire UC-025 but now with the language in Spanish. |
| Expected | Check that everything should be translated except for the messages created by users. |
| Outcome | |
| Notes | URL to list incidents (In case necessary): incident/director/listMine.do |

Use case 026 Director create a Museum

Description

A Director wants to add a Museum to the system. In order to do so, the user logs in to the system as a Director, lists her museums and creates a new one.

Access

In the menu, “Login” – to access the system.

In the menu, “My Museums” – to access the list of Museums of the principal.

In list of owned Museums, “Create a new Museum” – to create a new Museum.

Tests

| Test #001 | |
|--------------------|---|
| Description | You must log in as a Director and list your Museums. Assert that the listing shows the following information: <ul style="list-style-type: none">- Unique ID.- Name.- Slogan.- Price.- Address.- Email.- “Edit” link if possible.- “Add Guide” link if possible. |
| Expected | All of the information detailed above should be shown. |
| Outcome | |
| Notes | URL to list my museums (in case necessary): museum/director/listMine.do |

| Test #002 | |
|--------------------|---|
| Description | You must log in as a Director and list your Museums. Click on all of the pagination links that are shown: “First”, “Prev”, “Next”, and “Last”. |
| Expected | No exception or error should be thrown. |
| Outcome | |
| Notes | URL to list my museums (in case necessary): museum/director/listMine.do |

| Test #003 | |
|-------------|--|
| Description | You must log in as a Director and list your Museums. |
| | Click all the links shown in the table. That is: name. |
| Expected | No exception or error should be thrown. |
| Outcome | |
| Notes | URL to list my museums (in case necessary): museum/director/listMine.do |

| Test #004 | |
|-------------|---|
| Description | You must log in as a Director and list your Museums. |
| | Check that the prices follow the pattern €X.XX in English and X,XX€ in Spanish. |
| Expected | The information should follow the indicated patterns. |
| Outcome | |
| Notes | URL to list my museums (in case necessary): museum/director/listMine.do |

| Test #005 | |
|-------------|---|
| Description | You must log in as a Director and list your Museums. Click on the link to create a new Museum. |
| | Assert that the form shows the following information: <ul style="list-style-type: none"> - Name. - Unique ID. - Slogan. - Address. - Email. - Phone Number. - Price. - Coordinates (Latitude). - Coordinates (Longitude). - Banner. |
| Expected | All of the information detailed above should be shown. |
| Outcome | |
| Notes | URL to create a Museum (in case necessary): museum/director/create.do |

| Test #006 | |
|--------------------|---|
| Description | <p>You must log in as a Director and list your Museums. Click on the link to create a new Museum.</p> <p>Enter the following information:</p> <ul style="list-style-type: none"> - Name: "" - Unique ID: "" - Slogan: "" - Address: "" - Email: "" - Phone Number: "" - Price: "" - Coordinates (Latitude): "" - Coordinates (Longitude): "" - Banner: "" <p>Now try to save the Museum. Once the errors are shown, click on the "Cancel" button.</p> |
| Expected | You should be redirected to the list of museums you own. |
| Outcome | |
| Notes | URL to create a Museum (in case necessary): museum/director/create.do |

| Test #007 | |
|--------------------|--|
| Description | <p>You must log in as a Director and list your Museums. Click on the link to create a new Museum.</p> <p>Enter the following information:</p> <ul style="list-style-type: none"> - Name: "" - Unique ID: "" - Slogan: "" - Address: "" - Email: "" - Phone Number: "" - Price: "" - Coordinates (Latitude): "" - Coordinates (Longitude): "" - Banner: "" <p>Now try to save the Museum.</p> |
| Expected | <p>You should get a "Must not be blank" error on: Name, Unique ID, Address, Email, Phone Number.</p> <p>"Does not match pattern" on: Unique ID, Phone Number.</p> <p>"Cannot be null" on: Price, Coordinates (Latitude), Coordinates (Longitude).</p> |
| Outcome | |
| Notes | URL to create a Museum (in case necessary): museum/director/create.do |

| Test #008 | |
|--------------------|--|
| Description | <p>You must log in as a Director and list your Museums. Click on the link to create a new Museum.</p> <p>Enter the following information:</p> <ul style="list-style-type: none"> - Name: "<script>alert('hacked!');</script>" - Unique ID: "<script>alert('hacked!');</script>" - Slogan: "<script>alert('hacked!');</script>" - Address: "<script>alert('hacked!');</script>" - Email: "<script>alert('hacked!');</script>" - Phone Number: "<script>alert('hacked!');</script>" - Price: "<script>alert('hacked!');</script>" - Coordinates (Latitude): "<script>alert('hacked!');</script>" - Coordinates (Longitude): "<script>alert('hacked!');</script>" - Banner: "<script>alert('hacked!');</script>" <p>Now try to save the Museum.</p> |
| Expected | <p>You should get an "Insecure HTML" error on: Name, Slogan, Address.</p> <p>"Does not match pattern" on: Unique ID, Phone Number.</p> <p>"Cannot be null" on: Coordinates (Latitude), Coordinates (Longitude).</p> <p>"Invalid email" on: Email.</p> <p>"Invalid amount" on: Price, Coordinates (Latitude), Coordinates (Longitude).</p> <p>"Invalid URL" on: Banner.</p> |
| Outcome | |
| Notes | <p>URL to create a Museum (in case necessary):</p> <p>museum/director/create.do</p> |

| Test #009 | |
|--------------------|--|
| Description | <p>You must log in as a Director and list your Museums. Click on the link to create a new Museum.</p> <p>Enter the following information:</p> <ul style="list-style-type: none"> - Name: "Food Museum" - Unique ID: "FM" - Slogan: "Enjoying food" - Address: "C/ Tomato nº1" - Email: "fmuseum@gmail.com" - Phone Number: "+34638492850" - Price: "5" - Coordinates (Latitude): "43.40" - Coordinates (Longitude): "14.0923" - Banner: "http://www.berryglobal.com/images/default-source/Berry-Page-Headers/fresh-food-banner.jpg" <p>Now try to save the Museum.</p> |
| Expected | The Museum should be created successfully, and it should redirect you to the display view of the Museum you have just created. |
| Outcome | |
| Notes | URL to create a Museum (in case necessary): museum/director/create.do |

| Test #010 | |
|--------------------|---|
| Description | <p>You must log in as a Director and list your Museums. Click on the link to create a new Museum.</p> <p>Now inspect the HTML code (Ctrl + U, if you are using Google Chrome). Look for any "hidden" information in the HTML.</p> |
| Expected | Only two hidden inputs should be found, named "id" and "version". |
| Outcome | |
| Notes | URL to create a Museum (in case necessary): museum/director/create.do |

| Test #011 | |
|--------------------|--|
| Description | You must repeat all tests of this UC 026, but now using the system in Spanish. |
| Expected | All messages should be shown in Spanish. |
| Outcome | |
| Notes | |

Use case 027 Director edit a Museum

Description

A Director wants to edit the details of a Museum she owns. In order to do so, the user logs in to the system as a Director, lists her museums and edits one.

Access

In the menu, “Login” – to access the system.

In the menu, “My Museums” – to access the list of Museums of the principal.

In list of owned Museums, “Edit” link next to a Museum – to edit it.

Tests

| Test #001 | |
|-------------|---|
| Description | <p>You must log in as a Director and list your Museums. Click on the “Edit” link of one of them.</p> <p>Assert that the form shows the following information:</p> <ul style="list-style-type: none">- Name.- Slogan.- Address.- Email.- Phone Number.- Price.- Coordinates (Latitude)- Coordinates (Longitude)- Banner. |
| Expected | All of the information detailed above should be shown. |
| Outcome | |
| Notes | URL to edit a Museum (in case necessary): museum/director/edit.do?museumId= |

| Test #002 | |
|-------------------------|--|
| Description | <p>You must log in as a Director and list your Museums. Click on the “Edit” link of one of them.</p> <p>Enter the following information:</p> <ul style="list-style-type: none"> - Name: "" - Slogan: "" - Address: "" - Email: "" - Phone Number: "" - Price: "" - Coordinates (Latitude): "" - Coordinates (Longitude): "" - Banner: "" <p>Now try to save the Museum.</p> <p>Once the errors are shown, click on the “Cancel” button.</p> |
| Expected Outcome | You should be redirected to the list of museums you own. |
| Notes | URL to edit a Museum (in case necessary): museum/director/edit.do?museumId= |

| Test #003 | |
|--------------------|--|
| Description | <p>You must log in as a Director and list your Museums. Click on the “Edit” link of one of them.</p> <p>Enter the following information:</p> <ul style="list-style-type: none"> - Name: "" - Slogan: "" - Address: "" - Email: "" - Phone Number: "" - Price: "" - Coordinates (Latitude): "" - Coordinates (Longitude): "" - Banner: "" <p>Now try to save the Museum.</p> |
| Expected | <p>You should get the following errors:</p> <p>“Must not be blank” on: Name, Address, Email, Phone Number.</p> <p>“Does not match pattern” on: Phone Number.</p> <p>“Cannot be null” on: Price, Coordinates (Latitude), Coordinates (Longitude).</p> |
| Outcome | |
| Notes | URL to edit a Museum (in case necessary): museum/director/edit.do?museumId= |

| Test #004 | |
|--------------------|--|
| Description | <p>You must log in as a Director and list your Museums. Click on the “Edit” link of one of them.</p> <p>Enter the following information:</p> <ul style="list-style-type: none"> - Name: “<script>alert(‘hacked!’);</script>” - Slogan: “<script>alert(‘hacked!’);</script>” - Address: “<script>alert(‘hacked!’);</script>” - Email: “<script>alert(‘hacked!’);</script>” - Phone Number: “<script>alert(‘hacked!’);</script>” - Price: “<script>alert(‘hacked!’);</script>” - Coordinates (Latitude): “<script>alert(‘hacked!’);</script>” - Coordinates (Longitude): “<script>alert(‘hacked!’);</script>” - Banner: “<script>alert(‘hacked!’);</script>” <p>Now try to save the Museum.</p> |
| Expected | <p>You should get an “Insecure HTML” error on: Name, Slogan, Address. “Does not match pattern” on: Phone Number. “Cannot be null” on: Coordinates (Latitude), Coordinates (Longitude). “Invalid email” on: Email. “Invalid amount” on: Price, Coordinates (Latitude), Coordinates (Longitude). “Invalid URL” on: Banner.</p> |
| Outcome | |
| Notes | <p>URL to edit a Museum (in case necessary): museum/director/edit.do?museumId=</p> |

| Test #005 | |
|--------------------|---|
| Description | <p>You must log in as a Director.</p> <p>Now you need to check in your database the ID of a Museum that the principal does not own. Now try to edit that Museum, using its ID as the value of the “museumId” parameter in the URL: “museum/director/edit.do?museumId=</p> |
| Expected | A Panic view should be shown. |
| Outcome | |
| Notes | <p>URL to edit a Museum (in case necessary): museum/director/edit.do?museumId=</p> |

| Test #006 | |
|--------------------|--|
| Description | <p>You must log in as a Director.</p> <p>Now try to edit a made-up Museum, using a made up “museumId” parameter in the URL: “museum/director/edit.do?museumId=”</p> |
| Expected | A Panic view should be shown. |
| Outcome | |
| Notes | URL to edit a Museum (in case necessary): museum/director/edit.do?museumId= |

| Test #007 | |
|--------------------|--|
| Description | <p>You must log in as a Director and list your Museums. Click on the “Edit” link of one of them.</p> <p>Now inspect the HTML code (Ctrl + U, if you are using Google Chrome). Look for any “hidden” information in the HTML.</p> |
| Expected | Only two hidden inputs should be found, named “id” and “version”. |
| Outcome | |
| Notes | URL to edit a Museum (in case necessary): museum/director/edit.do?museumId= |

| Test #008 | |
|--------------------|--|
| Description | You must repeat all tests of this UC 027, but now using the system in Spanish. |
| Expected | All messages should be shown in Spanish. |
| Outcome | |
| Notes | |

Use case 028 Director create a Product

Description

A Director wants to add a new Product to the one of her or his stores. In order to do so, she logs in and display one of her museums by means of the listing including all the museums she manages. Once there, she or he displays the store and create a new product with the help of the link found in the view.

Access

“Main Menu > Login” – to access the system.

“Main Menu > My Museums” – to access the list of museums managed by the current director.

In the Museum display, click on the bag icon to display its associated store.

“Create a new product for this store” is a link that appears in a Museum display if the viewer is the owner of the associated museum.

Tests

| Test #001 | |
|-------------|---|
| Description | You must log in as a Director that manages at least one museum with a store. To display it, you may first list all the museums managed by the Director and select the desired one from the listing. Then, display the store and assert that a link to create a new product appears and is fully functional. |
| Expected | The link should appear at the bottom of the page and when clicking it, a form for a new Product must be shown. |
| Outcome | |
| Notes | URL to display a store (in case necessary): store/director/display.do?storeId= |

| Test #002 | |
|--------------------|--|
| Description | <p>You must log in as a Director that manages at least one museum with a store. To display it, you may first list all the museums managed by the Director and select the desired one from the listing. Then, display the store and click on the link to create a new product.</p> <p>Assert the following information appears in the forthcoming form:</p> <ul style="list-style-type: none"> - Name - Description - Pictures - Price - Barcode <p>In addition, a “Save” and a “Cancel” button must appear below the previous form.</p> |
| Expected | All the information above should appear in the view. |
| Outcome | |
| Notes | <p>URL to create a Product (in case necessary):</p> <p>product/director/create.do?storeId=</p> |

| Test #003 | |
|--------------------|---|
| Description | <p>You must log in as a Director that manages at least one museum with a store. To display it, you may first list all the museums managed by the Director and select the desired one from the listing. Then, display the store and click on the link to create a new product.</p> <p>Leave all fields in blank.</p> <p>Now try to save the Product.</p> <p>Once the errors are shown, click on the “Cancel” button.</p> |
| Expected | You should be redirected to the display view of the store you were creating a Product for. |
| Outcome | |
| Notes | <p>URL to create a Product (in case necessary):</p> <p>product/director/create.do?storeId=</p> |

| Test #004 | |
|--------------------|---|
| Description | <p>You must log in as a Director that manages at least one museum with a store. To display it, you may first list all the museums managed by the Director and select the desired one from the listing. Then, display the store and click on the link to create a new product.</p> <p>Leave all fields in blank.</p> <p>Now try to save the Product.</p> |
| Expected | <p>The system rejects the operation and the following error messages are shown:</p> <ul style="list-style-type: none"> - Name: Must not be blank - Description: Must not be blank - Pictures: Must not be empty - Price: Cannot be null - Barcode: Does not match the pattern, Must not be blank |
| Outcome | |
| Notes | <p>URL to create a Product (in case necessary): product/director/create.do?storeId=</p> |

| Test #005 | |
|--------------------|---|
| Description | <p>You must log in as a Director that manages at least one museum with a store. To display it, you may first list all the museums managed by the Director and select the desired one from the listing. Then, display the store and click on the link to create a new product.</p> <p>Enter the following information:</p> <ul style="list-style-type: none"> - Name: <script>alert('hacked!');</script> - Description: <script>alert('hacked!');</script> - Price: -13 - Barcode: abcdefg <p>Now try to save the Product.</p> |
| Expected | <p>The system rejects the operation and the following error messages are shown:</p> <ul style="list-style-type: none"> - Name: Insecure HTML - Description: Insecure HTML - Price: Too small (min = 0.0) - Barcode: Does not match the pattern |
| Outcome | |
| Notes | <p>URL to create a Product (in case necessary): product/director/create.do?storeId=</p> |

| Test #006 | |
|--------------------|--|
| Description | <p>You must log in as a Director that manages at least one museum with a store. To display it, you may first list all the museums managed by the Director and select the desired one from the listing. Then, display the store and click on the link to create a new product.</p> <p>Enter the following information:</p> <ul style="list-style-type: none"> - Name: Lamp Light - Description: Lamp - Pictures: a - Price: 0.1 - Barcode: 1111111111116 <p>Now try to save the Product.</p> |
| Expected | The system rejects the operation and prompt the following error message below the form: "Could not commit the operation". |
| Outcome | |
| Notes | URL to create a Product (in case necessary): product/director/create.do?storeId= |

| Test #007 | |
|--------------------|---|
| Description | <p>You must log in as a Director that manages at least one museum with a store. To display it, you may first list all the museums managed by the Director and select the desired one from the listing. Then, display the store and click on the link to create a new product.</p> <p>Enter the following information:</p> <ul style="list-style-type: none"> - Name: Lamp Light - Description: Lamp - Pictures: http://www.google.es, http://www.apple.es - Price: 14.3 - Barcode: 1111111111113 <p>Now try to save the Product.</p> |
| Expected | The system rejects the operation and prompt the following error message below the form: "Could not commit the operation". |
| Outcome | |
| Notes | URL to create a Product (in case necessary): product/director/create.do?storeId= |

| Test #008 | |
|--------------------|--|
| Description | <p>You must log in as a Director that manages at least one museum with a store. To display it, you may first list all the museums managed by the Director and select the desired one from the listing. Then, display the store and click on the link to create a new product.</p> <p>Enter the following information:</p> <ul style="list-style-type: none"> - Name: Lamp Light - Description: Lamp - Pictures: (some real images URL, i.e. https://tinyurl.com/kittenDP, https://tinyurl.com/puppyDP) - Price: 14.3 - Barcode: 1111111111116 <p>Now try to save the Product.</p> |
| Expected | The system must accept the operation and redirect to the display of the recently created product, where all the information introduced is correctly rendered. |
| Outcome | |
| Notes | URL to create a Product (in case necessary): product/director/create.do?storeId= |

| Test #009 | |
|--------------------|---|
| Description | <p>You must log in as a Director that manages at least one museum with a store. To display it, you may first list all the museums managed by the Director and select the desired one from the listing. Then, display the store and click on the link to create a new product.</p> <p>Now inspect the HTML code (Ctrl + U, if you are using Google Chrome). Look for any “hidden” information in the HTML.</p> |
| Expected | Only a hidden input named “store” should be found. |
| Outcome | |
| Notes | URL to create a Product (in case necessary): product/director/create.do?storeId= |

| Test #010 | |
|--------------------|---|
| Description | You must log in as an arbitrary Director. Using the provided URL, try to create a new product for a non-existing store (just make the id up). |
| Expected | A panic view should be shown (IllegalArgumentException). |
| Outcome | |
| Notes | URL to create a Product (in case necessary): product/director/create.do?storeId= |

| Test #011 | |
|--------------------|--|
| Description | You must log in as an arbitrary Director. Using the provided URL, try to create a new product for a store that she or he does not manage (you may look it up in the database). |
| Expected | A panic view should be shown (IllegalArgumentException). |
| Outcome | |
| Notes | URL to create a Product (in case necessary): product/director/create.do?storeId= |

| Test #012 | |
|--------------------|---|
| Description | You must repeat all tests of this UC 028, but now using the system in Spanish. |
| Expected | All messages should be shown in Spanish. |
| Outcome | |
| Notes | URL to create a Product (in case necessary): product/director/create.do?storeId= |

Use case 029 Director delete a Product

Description

A Director wants to edit an existing Product of one of her or his stores. In order to do so, she logs in and display one of her museums by means of the listing including all the museums she manages. Once there, she or he displays the store and the product. A link to delete it appears in the display so as to perform the operation.

Access

“Main Menu > Login” – to access the system.

“Main Menu > My Museums” – to access the list of museums managed by the current director.

In the Museum display, click on the bag icon to display its associated store.

A link to display a product appears below its photograph in the display of the store if the viewer is the owner of the associated museum.

“Delete” link appears in the display of a product if the viewer is the owner of the associated museum.

Tests

| Test #001 | |
|-------------|---|
| Description | You must log in as a Director that manages at least one museum with some products in its store. To display a product, you may first list all the museums managed by the Director and select the desired one from the listing. Then, display the store and you may be able to access to the profile of any of its products |
| Expected | Assert that the following information appears correctly: <ul style="list-style-type: none">- Name of the product- Description of the product- Price of the product- Barcode of the product- Photograph(s), that may be presented as images instead of their links |
| Outcome | |
| Notes | URL to display a product (in case necessary): product/director/create.do?storeId= URL to delete a product (in case necessary): product/director/display.do?deleteConfirmation=true&productId= |

| Test #002 | |
|--------------------|--|
| Description | You must log in as a Director that manages at least one museum with some products in its store. To display a product, you may first list all the museums managed by the Director and select the desired one from the listing. Then, display the store and you may be able to access to the profile of any of its products. |
| Expected | Assert that the following information appears correctly: <ul style="list-style-type: none"> - A green message confirming that the director is the owner of the product. - A red "Delete" link, that is fully functional and redirects to the same page asking for confirmation. |
| Outcome | |
| Notes | URL to display a product (in case necessary): product/director/create.do?storeId= URL to delete a product (in case necessary): product/director/display.do?deleteConfirmation=true&productId= |

| Test #003 | |
|--------------------|--|
| Description | You must log in as a Director that manages at least one museum with some products in its store. To display a product, you may first list all the museums managed by the Director and select the desired one from the listing. Then, display the store and you may be able to access to the profile of any of its products. Now click on the "delete " link, and then on "cancel". |
| Expected | The same view should be refreshed in order to ask the user for a confirmation. When cancel is pressed, the normal display view of a product must be shown. |
| Outcome | |
| Notes | URL to display a product (in case necessary): product/director/create.do?storeId= URL to delete a product (in case necessary): product/director/display.do?deleteConfirmation=true&productId= |

| Test #004 | |
|--------------------|---|
| Description | <p>You must log in as a Director that manages at least one museum with some products in its store. To display a product, you may first list all the museums managed by the Director and select the desired one from the listing. Then, display the store and you may be able to access to the profile of any of its products (copy its id).</p> <p>Now click on the “delete ” link.</p> |
| Expected | The system must accept the operation and redirect to the display view of the store. Furthermore, when trying to access to the display of the recently deleted product by means of the provided URL, a panic view should be shown (IllegalArgumentException) |
| Outcome | |
| Notes | <p>URL to display a product (in case necessary): product/director/create.do?storeId=</p> <p>URL to delete a product (in case necessary): product/director/display.do?deleteConfirmation=true&productId=</p> |

| Test #005 | |
|--------------------|---|
| Description | You must log in as an arbitrary Director. Using the provided URL, try to delete a non-existing product (just make its id up). |
| Expected | A panic view should be shown (IllegalArgumentException). |
| Outcome | |
| Notes | <p>URL to display a product (in case necessary): product/director/create.do?storeId=</p> <p>URL to delete a product (in case necessary): product/director/display.do?deleteConfirmation=true&productId=</p> |

| Test #006 | |
|--------------------|---|
| Description | You must log in as an arbitrary Director. Using the provided URL, try to delete a product for a store that she or he does not manage (you may look it up in the database). |
| Expected | A panic view should be shown (IllegalArgumentException). |
| Outcome | |
| Notes | <p>URL to display a product (in case necessary): product/director/create.do?storeId=</p> <p>URL to delete a product (in case necessary): product/director/display.do?deleteConfirmation=true&productId=</p> |

| Test #007 | |
|-------------|---|
| Description | You must repeat all tests of this UC 029, but now using the system in Spanish. |
| Expected | All messages should be shown in Spanish. |
| Outcome | |
| Notes | <p>URL to display a product (in case necessary): product/director/create.do?storeId=</p> <p>URL to delete a product (in case necessary): product/director/display.do?deleteConfirmation=true&productId=</p> |

Use case 030 Director creates a room

Description

A director wants to create a room for any of her/his museums. In order to do so, she/he must log in as a director, list her/his rooms and then create a new room.

Access

“Main Menu > Login” – to authenticate in the system

“Main Menu > Rooms” – to list the rooms that belong to a director

Tests

| Test #001 | |
|-------------|--|
| Description | <p>You must log in to the system as director1/director1. Click on “Rooms” and then click on “Create a room”. Fill the form with the following data:</p> <ul style="list-style-type: none">- Name: TEST- Area: 10- Museum: The Prado <p>Then click on Save.</p> |
| Expected | <p>The form should include the following inputs: a name, an area and a museum. As soon as you fill the form and click on save, the system must redirect you to the display of the room.</p> |
| Outcome | |
| Notes | <p>URL to list the rooms (In case necessary): room/director/listMine.do</p> |

| Test #002 | |
|--------------------|--|
| Description | <p>You must log in to the system as director1/director1. Click on “Rooms” and then click on “Create a room”. Fill the form with the following data:</p> <ul style="list-style-type: none"> - Name: - Area: - Museum: <p>Then click on Save.</p> |
| Expected | <p>The form should show the following validation errors:</p> <ul style="list-style-type: none"> - Name: Must not be blank - Area: Cannot be null - Museum: Cannot be null |
| Outcome | |
| Notes | <p>URL to list the rooms (In case necessary):</p> <p>room/director/listMine.do</p> |

| Test #003 | |
|--------------------|---|
| Description | <p>You must log in to the system as director1/director1. Click on “Rooms” and then click on “Create a room”. Fill the form with the following data:</p> <ul style="list-style-type: none"> - Name: TEST - Area: -10 - Museum: The Prado <p>Then click on Save.</p> |
| Expected | <p>The form should show the following validation errors:</p> <ul style="list-style-type: none"> - Area: Too small (min = 1.0) |
| Outcome | |
| Notes | <p>URL to list the rooms (In case necessary):</p> <p>room/director/listMine.do</p> |

| Test #004 | |
|--------------------|--|
| Description | <p>You must log in to the system as director1/director1. Click on “Rooms” and then click on “Create a room”. Fill the form with the following data:</p> <ul style="list-style-type: none"> - Name: TEST - Area: TEST - Museum: The Prado <p>Then click on Save.</p> |
| Expected | <p>The form should show the following validation errors:</p> <ul style="list-style-type: none"> - Area: Invalid amount |
| Outcome | |
| Notes | <p>URL to list the rooms (In case necessary):</p> <p>room/director/listMine.do</p> |

| Test #005 | |
|--------------------|---|
| Description | You must log in to the system as director1/director1. Click on “Rooms” and then click on “Create a room”. Then click on Cancel. |
| Expected | The system must redirect you to the list of rooms of the director. |
| Outcome | |
| Notes | URL to list the rooms (In case necessary): room/director/listMine.do |

| Test #006 | |
|--------------------|---|
| Description | <p>You must log in to the system as director1/director1. Click on “Rooms” and then click on “Create a room”. Fill the form with the following data:</p> <ul style="list-style-type: none"> - Name: <script>alert('Test');</script> - Area: 10 - Museum: The Prado <p>Then click on Save.</p> |
| Expected | <p>The form should show the following validation errors:</p> <ul style="list-style-type: none"> - Name: Insecure HTML |
| Outcome | |
| Notes | URL to list the rooms (In case necessary): room/director/listMine.do |

| Test #007 | |
|--------------------|---|
| Description | <p>You must log in to the system as director1/director1. Click on “Rooms” and then click on “Create a room”. Fill the form with the following data:</p> <ul style="list-style-type: none"> - Name: Test - Area: 10 - Museum: The Prado <p>Now click right on the mouse and select “Inspect”. In the form tag of the html document, find the select input. Change the id of The Prado for other one of another museum that doesn’t belong to the director1. Then click on save.</p> |
| Expected | The system must redirect you to the form view with the following error: Cannot commit this operation. |
| Outcome | |
| Notes | URL to list the rooms (In case necessary): room/director/listMine.do |

| Test #008 | |
|--------------------|--|
| Description | You must log in to the system as director1/director1. Click on “Rooms” and then click on the pagination links. |
| Expected | The pagination should work perfectly, and the list should be updated as soon as you click on any of these links. |
| Outcome | |
| Notes | URL to list the rooms (In case necessary): room/director/listMine.do |

| Test #009 | |
|--------------------|---|
| Description | You must log in to the system as director1/director1. Click on “Rooms” and then click on “Name” in order to sort the table. |
| Expected | Check that the list is sorted alphabetically. |
| Outcome | |
| Notes | URL to list the rooms (In case necessary): room/director/listMine.do |

| Test #010 | |
|--------------------|--|
| Description | You must log in to the system as director1/director1. Click on “Rooms” and then check the area column. |
| Expected | Check that the area of the room follows the pattern: xx.xx m ² |
| Outcome | |
| Notes | URL to list the rooms (In case necessary): room/director/listMine.do |

| Test #011 | |
|--------------------|--|
| Description | You must log in to the system as director1/director1. Click on “Rooms” and then click on any of the museum’s titles. |
| Expected | The system must redirect you to the display view of the museum. |
| Outcome | |
| Notes | URL to list the rooms (In case necessary): room/director/listMine.do |

| Test #012 | |
|--------------------|--|
| Description | You must log in to the system as director1/director1. Click on “Rooms” and then click on any of the display links. |
| Expected | The system must redirect you to the display view of the room. |
| Outcome | |
| Notes | URL to list the rooms (In case necessary): room/director/listMine.do |

| Test #013 | |
|--------------------|---|
| Description | Repeat the entire UC-030 but now with the language in Spanish. |
| Expected | Check that everything is translated except for the messages created by users. |
| Outcome | |
| Notes | URL to list the rooms (In case necessary): room/director/listMine.do |

Use case 031 Director delete a Room

Description

A Director wants to delete a room of a museum she or he manages and that does not have any current exhibition or any future ones with either sold day passes or requested sponsorships. In order to do so, she or he logs in, selects a room of one of her or his museums and clicks on “Delete this room”.

Access

“Main Menu > Login” – to access the system.

“Main Menu > My Museums” – to access the list of museums managed by the current director.

In the Museum display, click on “List of rooms in this museum” in order to access to a listing of rooms of the museum that was displayed.

“Delete this room” link appears in the display of a room if the viewer manages the associated museum and the room does not have any current exhibition or any future ones with either sold day passes or requested sponsorships.

Tests

| Test #001 | |
|--------------------|--|
| Description | You must log in as a Director that manages at least one museum with some rooms fulfilling the requirements described above. To display a room, you may first list all the museums managed by the Director and select the desired one from the listing. Then, list all the rooms associated to that museum and choose a room (copy its id). Now click on the “delete ” link. |
| Expected | The system must accept the operation and redirect to the rooms listing of the associated museum, that now contains one less item. Furthermore, when trying to access to the display of the recently deleted room by means of the provided URL, a panic view should be shown (IllegalArgumentException) |
| Outcome | |
| Notes | URL to display a room (in case necessary): room/director/display.do?roomId= URL to delete a room (in case necessary): room/director/delete.do?roomId= |

| Test #002 | |
|--------------------|---|
| Description | <p>You must log in as a Director that manages at least one museum with some rooms with current exhibitions. To display a room, you may first list all the museums managed by the Director and select the desired one from the listing. Then, list all the rooms associated to that museum and choose a room with a current exhibition.</p> <p>Assert that no link to delete it is shown.</p> <p>Try to delete it using the provided URL and the id.</p> |
| Expected | No delete link should be shown and when trying to perform the operation, you should be redirected to the listing of rooms where an error message must appear below the table: "Could not commit the operation" |
| Outcome | |
| Notes | <p>URL to display a room (in case necessary): room/director/display.do?roomId=</p> <p>URL to delete a room (in case necessary): room/director/delete.do?roomId=</p> |

| Test #003 | |
|--------------------|---|
| Description | <p>You must log in as a Director that manages at least one museum with some rooms with future exhibitions with no sold day passes and some sponsorships. To display a room, you may first list all the museums managed by the Director and select the desired one from the listing. Then, list all the rooms associated to that museum and choose a room with a future exhibition with no sold day passes and some sponsorships.</p> <p>Assert that no link to delete it is shown.</p> <p>Try to delete it using the provided URL and the id.</p> |
| Expected | No delete link should be shown and when trying to perform the operation, you should be redirected to the listing of rooms where an error message must appear below the table: "Could not commit the operation" |
| Outcome | |
| Notes | <p>URL to display a room (in case necessary): room/director/display.do?roomId=</p> <p>URL to delete a room (in case necessary): room/director/delete.do?roomId=</p> |

| Test #004 | |
|--------------------|--|
| Description | <p>You must log in as a Director that manages at least one museum with some rooms with future exhibitions with sold day passes and no sponsorship. To display a room, you may first list all the museums managed by the Director and select the desired one from the listing. Then, list all the rooms associated to that museum and choose a room with a future exhibition that has sold some day passes and no sponsorship.</p> <p>Assert that no link to delete it is shown.</p> <p>Try to delete it using the provided URL and the id.</p> |
| Expected | No delete link should be shown and when trying to perform the operation, you should be redirected to the listing of rooms where an error message must appear below the table: "Could not commit the operation" |
| Outcome | |
| Notes | <p>URL to display a room (in case necessary): room/director/display.do?roomId=</p> <p>URL to delete a room (in case necessary): room/director/delete.do?roomId=</p> |

| Test #005 | |
|--------------------|--|
| Description | <p>You must log in as a Director that manages at least one museum with some rooms fulfilling the requirements described above (having passed exhibitions). To display a room, you may first list all the museums managed by the Director and select the desired one from the listing. Then, list all the rooms associated to that museum and choose a room that has passed exhibitions, but still fulfils the previous requirements (copy its id).</p> <p>Now click on the "delete " link.</p> |
| Expected | The system must accept the operation and redirect to the rooms listing of the associated museum, that now contains one less item. Furthermore, when trying to access to the display of the recently deleted room by means of the provided URL, a panic view should be shown (IllegalArgumentException) |
| Outcome | |
| Notes | <p>URL to display a room (in case necessary): room/director/display.do?roomId=</p> <p>URL to delete a room (in case necessary): room/director/delete.do?roomId=</p> |

| Test #006 | |
|-------------------------|---|
| Description | You must log in as an arbitrary Director. Using the provided URL, try to delete a room of a museum that she or he does not manage (you may look it up in the database). |
| Expected Outcome | A panic view should be shown (IllegalArgumentException). |
| Notes | <p>URL to display a room (in case necessary): room/director/display.do?roomId=</p> <p>URL to delete a room (in case necessary): room/director/delete.do?roomId=</p> |

| Test #007 | |
|-------------------------|---|
| Description | You must repeat all tests of this UC 031, but now using the system in Spanish. |
| Expected Outcome | All messages should be shown in Spanish. |
| Notes | <p>URL to display a room (in case necessary): room/director/display.do?roomId=</p> <p>URL to delete a room (in case necessary): room/director/delete.do?roomId=</p> |

Use case 032 Director mark a room in repair

Description

A director wants to mark one of his rooms as in repair. in order to do so, she/he must log in as an administrator, then list her/his rooms, display the one that she/he wants to mark in repair, and then mark it.

Access

“Main Menu > Login” – to authenticate in the system

“Main Menu > Rooms” – to list the rooms that belong to a director

Tests

| Test #001 | |
|--------------------|---|
| Description | You must log in to the system as director1/director1. Click on “Rooms” and then display any of them which is marked as in repair. As soon as the room is fully displayed, click on “Mark as in repair”. |
| Expected | The system must redirect you to the display view of the room. Check that this view contains: The museum of the room, room’s details (name, area, in repair), a link to mark it as in repair/not in repair, the current exhibition that is holding the room, all the exhibitions made in the room, and all the incidents of the room. As soon as you click on “Mark as in repair”, the message should have disappeared and there should be a new message which is “Mark as not in repair”. |
| Outcome | |
| Notes | URL to list the rooms (In case necessary): room/director/listMine.do |

| Test #002 | |
|--------------------|---|
| Description | You must log in to the system as director1/director1. Click on “Rooms” and then display any of them which is not marked as in repair. As soon as the room is fully displayed, copy the link of “Mark as in repair”, put it in the browser and change the id of roomId for “1”. Then, enter the URL. |
| Expected | You should get a panic view with the following exception: IllegalArgumentException |
| Outcome | |
| Notes | URL to list the rooms (In case necessary): room/director/listMine.do |

| Test #003 | |
|--------------------|---|
| Description | You must log in to the system as director1/director1. Click on “Rooms” and then display the first one. Make sure that the room has at least 6 exhibitions and 6 incidents (if not, create them). Click on the pagination links of “All Exhibitions” and “Incidents” |
| Expected | The system must show a different set of elements for each table perfectly. |
| Outcome | |
| Notes | URL to list the rooms (In case necessary): room/director/listMine.do |

| Test #004 | |
|--------------------|--|
| Description | You must log in to the system as director1/director1. Click on “Rooms” and then display the first one. Check the Current Exhibition and All Exhibitions tables. |
| Expected | Make sure that the following information is being displayed correctly: <ul style="list-style-type: none"> - The title is a link that redirects you correctly to the exhibition - The price follows the pattern €xx.xx in English and xx,xx€ in Spanish. - Dates follow the pattern MM/dd/yyyy hh:mm in English and dd/MM/yyyy hh:mm in Spanish. |
| Outcome | |
| Notes | URL to list the rooms (In case necessary): room/director/listMine.do |

| Test #005 | |
|--------------------|--|
| Description | You must log in to the system as director1/director1. Click on “Rooms” and then display the first one. Check the Incidents table. |
| Expected | Make sure the following: <ul style="list-style-type: none"> - When you click on “Mark as checked” the incident is marked as checked correctly. - When you click on “Remove” the incident is removed correctly. |
| Outcome | |
| Notes | URL to list the rooms (In case necessary): room/director/listMine.do |

| Test #006 | |
|--------------------|---|
| Description | You must log in to the system as director1/director1. Click on “Rooms” and then display the first one. Check the header of the view and click on the museum which belongs to that room. |
| Expected | The system must redirect you correctly to the display view of the museum |
| Outcome | |
| Notes | URL to list the rooms (In case necessary): room/director/listMine.do |

| Test #007 | |
|--------------------|--|
| Description | You must log in to the system as director1/director1. Click on “Rooms” and then display the first one. Check the header of the view, and then check the details of the room. |
| Expected | Check that the following information is being shown correctly: <ul style="list-style-type: none"> - The area has the format: xx.xx m² |
| Outcome | |
| Notes | URL to list the rooms (In case necessary): room/director/listMine.do |

| Test #008 | |
|--------------------|---|
| Description | Repeat the entire UC-032 but now with the language in Spanish. |
| Expected | Check that everything is translated except for the messages created by users. |
| Outcome | |
| Notes | URL to list the rooms (In case necessary): room/director/listMine.do |

Use case 033 Director mark a room not in repair

Description

A director wants to mark one of his rooms as not in repair. In order to do so, she/he must log in as an administrator, then list her/his rooms, display the one that she/he wants to mark not in repair, and then mark it.

Access

“Main Menu > Login” – to authenticate in the system

“Main Menu > Rooms” – to list the rooms that belong to a director

Tests

| Test #001 | |
|-------------|--|
| Description | You must log in to the system as director1/director1. Click on “Rooms” and then display any of them which is not marked as not in repair. Display it, and then click on “Mark as not in repair”. |
| Expected | The system must redirect you to the display view of the room, but now the message of “Mark as not in repair” is changed to “Mark as in repair”. |
| Outcome | |
| Notes | URL to list the rooms (In case necessary): room/director/listMine.do |

| Test #002 | |
|-------------|--|
| Description | You must log in to the system as director1/director1. Click on “Rooms” and then display any of them which is not marked as not in repair. Display it, and then copy the URL of “Mark as not in repair”, paste it on the browser and change the roomId to “1”. Enter the URL. |
| Expected | You should get a panic view which says: IllegalArgumentException |
| Outcome | |
| Notes | URL to list the rooms (In case necessary): room/director/listMine.do |

| Test #003 | |
|-------------|---|
| Description | Repeat the entire UC-033 but now with the language in Spanish. |
| Expected | Check that everything is translated except for the messages created by users. |
| Outcome | |
| Notes | URL to list the rooms (In case necessary): room/director/listMine.do |

Use case 034 Director negotiate time of a Sponsorship

Description

A Director wants to negotiate the time a Sponsorship will be available and shown in the system. In order to do so, the user logs in to the system as a Director, lists her exhibitions, lists the sponsorships related to one of them and changes its status to 'TIME_NEGOTITATION', indicating a time.

Access

In the menu, "Login" – to access the system.

In the menu, "My exhibitions" – to access the list of Exhibitions of the principal.

In list of owned exhibitions, "List all" link below the Sponsorships column – to list its Sponsorships.

In the list of Sponsorships, "Edit" link next to it - to change its status.

Tests

| Test #001 | |
|-------------------------|--|
| Description | You must log in as a Director and list your Exhibitions. Assert that the listing shows the following information: <ul style="list-style-type: none">- Ticker.- Title.- Museum.- Starting date.- Ending date.- "Passed" if the ending date is in the past.- Price- Sold day passes.- Sponsorships- "Edit" link if possible.- "Add Guide" link if possible. |
| Expected Outcome | All of the information detailed above should be shown. |
| Notes | URL to list my exhibitions (in case necessary): exhibition/director/listMine.do |

| Test #002 | |
|-------------------------|---|
| Description | You must log in as a Director and list your Exhibitions. Click on all of the pagination links that are shown: "First", "Prev", "Next", and "Last". |
| Expected Outcome | No exception or error should be thrown. |
| Notes | URL to list my exhibitions (in case necessary): exhibition/director/listMine.do |

| Test #003 | |
|-------------------------|--|
| Description | <p>You must log in as a Director and list your Exhibitions.</p> <p>Click all the links shown in the table. That is: title, museum, and the “List all” of Sponsorships.</p> |
| Expected Outcome | No exception or error should be thrown. |
| Notes | URL to list my exhibitions (in case necessary): exhibition/director/listMine.do |

| Test #004 | |
|-------------------------|--|
| Description | <p>You must log in as a Director and list your Exhibitions.</p> <p>Check that the dates follow the pattern MM/dd/yyyy hh:mm in English and dd/MM/yyyy hh:mm in Spanish.</p> <p>Check that the prices follow the pattern €X.XX in English and X,XX€ in Spanish.</p> |
| Expected Outcome | The information should follow the indicated patterns. |
| Notes | URL to list my exhibitions (in case necessary): exhibition/director/listMine.do |

| Test #005 | |
|-------------------------|---|
| Description | <p>You must log in as a Director and list your Exhibitions. Then click on the link to list the Sponsorships of one of them.</p> <p>Assert that the listing shows the following information:</p> <ul style="list-style-type: none"> - Exhibition. - Banner. - Link. - Credit Card. - Status. - Starting Date. - Ending Date - “Edit” link if possible. |
| Expected Outcome | All of the information detailed above should be shown. |
| Notes | URL to list the Sponsorships of an exhibition (in case necessary): sponsorship/director/list.do?exhibitionId= |

| Test #006 | |
|-------------|--|
| Description | You must log in as a Director and list your Exhibitions. Then click on the link to list the Sponsorships of one of them. |
| | Click on all of the pagination links that are shown: “First”, “Prev”, “Next”, and “Last”. |
| Expected | No exception or error should be thrown. |
| Outcome | |
| Notes | URL to list the Sponsorships of an exhibition (in case necessary): sponsorship/director/list.do?exhibitionId= |

| Test #007 | |
|-------------|--|
| Description | You must log in as a Director and list your Exhibitions. Then click on the link to list the Sponsorships of one of them. |
| | Click all the links shown in the table. That is: exhibition. |
| Expected | No exception or error should be thrown. |
| Outcome | |
| Notes | URL to list the Sponsorships of an exhibition (in case necessary): sponsorship/director/list.do?exhibitionId= |

| Test #008 | |
|-------------|--|
| Description | You must log in as a Director and list your Exhibitions. Then click on the link to list the Sponsorships of one of them. |
| | Check that the banners are shown as images and not as links. |
| Expected | The information should follow the indicated patterns. |
| Outcome | |
| Notes | URL to list the Sponsorships of an exhibition (in case necessary): sponsorship/director/list.do?exhibitionId= |

| Test #009 | |
|-------------|---|
| Description | You must log in as a Director. |
| | Now you need to check in your database the ID of an Exhibition that the principal does not own. Now try to list the Sponsorships of that exhibition, using its ID as the value of the “exhibitionId” parameter in the URL: “sponsorship/director/list.do?exhibitionId=” |
| Expected | A Panic view should be shown. |
| Outcome | |
| Notes | URL to list the Sponsorships of an exhibition (in case necessary): sponsorship/director/list.do?exhibitionId= |

| Test #010 | |
|--------------------|---|
| Description | <p>You must log in as a Director.</p> <p>Now try to list the Sponsorships of a made up exhibition, using a made up ID as the value of the “exhibitionId” parameter in the URL: “sponsorship/director/list.do?exhibitionId=”</p> |
| Expected | A Panic view should be shown. |
| Outcome | |
| Notes | URL to list the Sponsorships of an exhibition (in case necessary): sponsorship/director/list.do?exhibitionId= |

| Test #011 | |
|--------------------|--|
| Description | <p>You must log in as a Director and list your Exhibitions. Then click on the link to list the Sponsorships of one of them and click on the “Edit” link of one of the Sponsorships. (In order to edit a Sponsorship its status must be ‘PENDING’).</p> <p>Change the “Status” dropdown to ‘TIME NEGOTIATION’.</p> <p>Assert that the form shows the following information:</p> <ul style="list-style-type: none"> - Status. - Dates of the Exhibition. - Starting Date. - Ending Date. |
| Expected | All of the information detailed above should be shown. |
| Outcome | |
| Notes | URL to edit a Sponsorship (in case necessary): sponsorship/director/edit.do?sponsorshipId= |

| Test #012 | |
|--------------------|---|
| Description | <p>You must log in as a Director and list your Exhibitions. Then click on the link to list the Sponsorships of one of them and click on the “Edit” link of one of the Sponsorships. (In order to edit a Sponsorship its status must be ‘PENDING’).</p> <p>Change the “Status” dropdown to ‘TIME NEGOTIATION’.</p> <p>Enter the following information:</p> <ul style="list-style-type: none"> - Starting Date: “” - Ending Date: “” <p>Now try to save the Sponsorship. Once the errors are shown, click on the “Cancel” button.</p> |
| Expected | You should be redirected to the list of sponsorships of the exhibition where the Sponsorship you were editing belonged. |
| Outcome | |
| Notes | URL to edit a Sponsorship (in case necessary): sponsorship/director/edit.do?sponsorshipId= |

| Test #013 | |
|--------------------|---|
| Description | <p>You must log in as a Director and list your Exhibitions. Then click on the link to list the Sponsorships of one of them and click on the “Edit” link of one of the Sponsorships. (In order to edit a Sponsorship its status must be ‘PENDING’).</p> <p>Leave the “status” input empty.</p> <p>Now try to save the Sponsorship.</p> |
| Expected | A “Cannot be null” error should be shown next to the status field. |
| Outcome | |
| Notes | URL to edit a Sponsorship (in case necessary): sponsorship/director/edit.do?sponsorshipId= |

| Test #014 | |
|--------------------|--|
| Description | <p>You must log in as a Director and list your Exhibitions. Then click on the link to list the Sponsorships of one of them and click on the “Edit” link of one of the Sponsorships. (In order to edit a Sponsorship its status must be ‘PENDING’).</p> <p>Change the “Status” dropdown to ‘TIME NEGOTIATION’.</p> <p>Enter the following information:</p> <ul style="list-style-type: none"> - Starting Date: "" - Ending Date: "" <p>Now try to save the Sponsorship.</p> |
| Expected | A “Could not commit this operation” error should be shown. |
| Outcome | |
| Notes | URL to edit a Sponsorship (in case necessary): sponsorship/director/edit.do?sponsorshipId= |

| Test #015 | |
|--------------------|--|
| Description | <p>You must log in as a Director and list your Exhibitions. Then click on the link to list the Sponsorships of one of them and click on the “Edit” link of one of the Sponsorships. (In order to edit a Sponsorship its status must be ‘PENDING’).</p> <p>Change the “Status” dropdown to ‘TIME NEGOTIATION’.</p> <p>Enter the following information:</p> <ul style="list-style-type: none"> - Starting Date: <i>A date before the starting date of the exhibition.</i> - Ending Date: <i>A date between the range of dates of the exhibition.</i> <p>Now try to save the Sponsorship.</p> |
| Expected | A “Could not commit this operation” error should be shown. |
| Outcome | |
| Notes | URL to edit a Sponsorship (in case necessary): sponsorship/director/edit.do?sponsorshipId= |

| Test #016 | |
|-------------------------|---|
| Description | <p>You must log in as a Director and list your Exhibitions. Then click on the link to list the Sponsorships of one of them and click on the “Edit” link of one of the Sponsorships. (In order to edit a Sponsorship its status must be ‘PENDING’).</p> <p>Change the “Status” dropdown to ‘TIME NEGOTIATION’.</p> <p>Enter the following information:</p> <ul style="list-style-type: none"> - Starting Date: <i>A date between the range of dates of the exhibition.</i> - Ending Date: <i>A date after the ending date of the exhibition.</i> <p>Now try to save the Sponsorship.</p> |
| Expected Outcome | A “Could not commit this operation” error should be shown. |
| Notes | URL to edit a Sponsorship (in case necessary): sponsorship/director/edit.do?sponsorshipId= |

| Test #017 | |
|-------------------------|--|
| Description | <p>You must log in as a Director and list your Exhibitions. Then click on the link to list the Sponsorships of one of them and click on the “Edit” link of one of the Sponsorships. (In order to edit a Sponsorship its status must be ‘PENDING’).</p> <p>Change the “Status” dropdown to ‘TIME NEGOTIATION’.</p> <p>Enter the following information:</p> <ul style="list-style-type: none"> - Starting Date: <i>The starting date of another Sponsorship of the exhibition.</i> - Ending Date: <i>The ending date of another Sponsorship of the exhibition.</i> <p>Now try to save the Sponsorship.</p> |
| Expected Outcome | A “Could not commit this operation” error should be shown. |
| Notes | URL to edit a Sponsorship (in case necessary): sponsorship/director/edit.do?sponsorshipId= |

| Test #018 | |
|--------------------|--|
| Description | <p>You must log in as a Director and list your Exhibitions. Then click on the link to list the Sponsorships of one of them and click on the “Edit” link of one of the Sponsorships. (In order to edit a Sponsorship its status must be ‘PENDING’).</p> <p>Change the “Status” dropdown to ‘TIME NEGOTIATION’.</p> <p>Enter the following information:</p> <ul style="list-style-type: none"> - Starting Date: “<script>alert(‘hacked!’);</script>” - Ending Date: “<script>alert(‘hacked!’);</script>” <p>Now try to save the Sponsorship.</p> |
| Expected | An “Invalid moment” error should be shown next to the Starting Date and the Ending Date. |
| Outcome | |
| Notes | URL to edit a Sponsorship (in case necessary): sponsorship/director/edit.do?sponsorshipId= |

| Test #019 | |
|--------------------|--|
| Description | <p>You must log in as a Director and list your Exhibitions. Then click on the link to list the Sponsorships of one of them and click on the “Edit” link of one of the Sponsorships. (In order to edit a Sponsorship its status must be ‘PENDING’).</p> <p>Change the “Status” dropdown to ‘TIME NEGOTIATION’.</p> <p>Enter the following information:</p> <ul style="list-style-type: none"> - Starting Date: <i>A date between the range of dates of the exhibition.</i> - Ending Date: <i>A date between the range of dates of the exhibition.</i> <p>The Starting Date you enter must be after the Ending Date you enter.</p> <p>Now try to save the Sponsorship.</p> |
| Expected | A “Could not commit this operation” error should be shown. |
| Outcome | |
| Notes | URL to edit a Sponsorship (in case necessary): sponsorship/director/edit.do?sponsorshipId= |

| Test #020 | |
|--------------------|---|
| Description | <p>You must log in as a Director and list your Exhibitions. Then click on the link to list the Sponsorships of one of them and click on the “Edit” link of one of the Sponsorships. (In order to edit a Sponsorship its status must be ‘PENDING’).</p> <p>Change the “Status” dropdown to ‘TIME NEGOTIATION’.</p> <p>Enter the following information:</p> <ul style="list-style-type: none"> - Starting Date: <i>A date between the range of dates of the exhibition.</i> - Ending Date: <i>A date between the range of dates of the exhibition.</i> <p>The Starting Date you enter must be before the Ending Date you enter. Also, the dates must not coincide in time with any other Sponsorship the exhibition may have.</p> <p>Now try to save the Sponsorship.</p> |
| Expected | <p>The Sponsorship must be successfully saved, with its new status: ‘TIME_NEGOTIATION’.</p> <p>You should be redirected to the list of sponsorships of the exhibition where the Sponsorship you were editing belonged.</p> |
| Outcome | |
| Notes | <p>URL to edit a Sponsorship (in case necessary): sponsorship/director/edit.do?sponsorshipId=</p> |

| Test #021 | |
|--------------------|---|
| Description | <p>You must log in as a Director and list your Exhibitions. Then click on the link to list the Sponsorships of one of them and click on the “Edit” link of one of the Sponsorships. (In order to edit a Sponsorship its status must be ‘PENDING’).</p> <p>Change the “Status” dropdown to ‘TIME NEGOTIATION’.</p> <p>Enter the following information:</p> <ul style="list-style-type: none"> - Starting Date: <i>A date between the range of dates of the exhibition.</i> - Ending Date: <i>A date between the range of dates of the exhibition.</i> <p>The Starting Date you enter must be before the Ending Date you enter. Also, the dates must not coincide in time with any other Sponsorship the exhibition may have.</p> <p>Now try to save the Sponsorship.</p> |
| Expected | <p>The Sponsorship must be successfully saved, with its new status: ‘TIME_NEGOTIATION’.</p> <p>You should be redirected to the list of sponsorships of the exhibition where the Sponsorship you were editing belonged.</p> |
| Outcome | |
| Notes | <p>URL to edit a Sponsorship (in case necessary): sponsorship/director/edit.do?sponsorshipId=</p> |

| Test #022 | |
|--------------------|---|
| Description | <p>You must log in as a Director.</p> <p>Now you need to check in your database the ID of a pending Sponsorship that the principal does not own.</p> <p>Now try to edit that Sponsorship, using its ID as the value of the “sponsorshipId” parameter in the URL: “sponsorship/director/edit.do?sponsorshipId=”</p> |
| Expected | A Panic view should be shown. |
| Outcome | |
| Notes | URL to edit a Sponsorship (in case necessary): sponsorship/director/edit.do?sponsorshipId= |

| Test #023 | |
|--------------------|---|
| Description | <p>You must log in as a Director.</p> <p>Now try to edit a made-up sponsorship, using a made-up ID as the value of the “sponsorshipId” parameter in the URL: “sponsorship/director/edit.do?sponsorshipId=”</p> |
| Expected | A Panic view should be shown. |
| Outcome | |
| Notes | URL to edit a Sponsorship (in case necessary): sponsorship/director/edit.do?sponsorshipId= |

| Test #024 | |
|--------------------|--|
| Description | <p>You must log in as a Director and list your Exhibitions. Then click on the link to list the Sponsorships of one of them and click on the “Edit” link of one of the Sponsorships. (In order to edit a Sponsorship its status must be ‘PENDING’).</p> <p>Now inspect the HTML code (Ctrl + U, if you are using Google Chrome). Look for any “hidden” information in the HTML.</p> |
| Expected | Only a hidden input named “id” should be found. |
| Outcome | |
| Notes | URL to edit a Sponsorship (in case necessary): sponsorship/director/edit.do?sponsorshipId= |

| Test #025 | |
|--------------------|--|
| Description | You must repeat all tests of this UC 034, but now using the system in Spanish. |
| Expected | All messages should be shown in Spanish. |
| Outcome | |
| Notes | |

Use case 035 Director reject a Sponsorship

Description

A Director wants to reject a Sponsorship request from a Sponsor. In order to do so, the user logs in to the system as a Director, lists her exhibitions, lists the sponsorships related to one of them and changes its status to 'REJECTED'.

Access

In the menu, "Login" – to access the system.

In the menu, "My exhibitions" – to access the list of Exhibitions of the principal.

In list of owned exhibitions, "List all" link below the Sponsorships column – to list its Sponsorships.

In the list of Sponsorships, "Edit" link next to it - to change its status.

Tests

| Test #001 | |
|--------------------|---|
| Description | You must log in as a Director and list your Exhibitions. Then click on the link to list the Sponsorships of one of them and click on the "Edit" link of one of the Sponsorships. (In order to edit a Sponsorship its status must be 'PENDING'). Assert that the listing shows the following information: <ul style="list-style-type: none">- Status. |
| Expected | All of the information detailed above should be shown. |
| Outcome | |
| Notes | URL to edit a Sponsorship (in case necessary): sponsorship/director/edit.do?sponsorshipId= |

| Test #002 | |
|--------------------|--|
| Description | You must log in as a Director and list your Exhibitions. Then click on the link to list the Sponsorships of one of them and click on the "Edit" link of one of the Sponsorships. (In order to edit a Sponsorship its status must be 'PENDING'). Change the "Status" dropdown to 'REJECTED'. Now try to save the Sponsorship. |
| Expected | The Sponsorship must be successfully saved, with its new status: 'REJECTED'. You should be redirected to the list of sponsorships of the exhibition where the Sponsorship you were editing belonged. |
| Outcome | |
| Notes | URL to edit a Sponsorship (in case necessary): sponsorship/director/edit.do?sponsorshipId= |

| Test #003 | |
|-------------|--|
| Description | You must repeat all tests of this UC 035, but now using the system in Spanish. |
| Expected | All messages should be shown in Spanish. |
| Outcome | |
| Notes | |

Use case 036 Director create a Store

Description

A Director wants to add a Store for one of the museums she manages. In order to do so, the user logs in to the system as a Director, lists her museums, displays one of them and creates a Store for it.

Access

In the menu, “Login” – to access the system.

In the menu, “My Museums” – to access the list of museums of the principal.

In list of owned museums, click on the name of a museum – to display it.

In the display of a museum, “Create a store for this museum” – to create a Store for it.

Tests

| Test #001 | |
|--------------------|--|
| Description | <p>You must log in as a Director and list your museums. Then, display one of them.</p> <p>Assert that the “About the Museum” section shows the following information:</p> <ul style="list-style-type: none">- Unique ID.- Price.- Average Rating.- Address.- Email.- Phone Number.- Director. <p>Assert that the exhibitions’ listing shows the following information:</p> <ul style="list-style-type: none">- Title.- Description.- Price.- Dates. <p>Assert that the reviews’ listing shows the following information:</p> <ul style="list-style-type: none">- Visitor.- Opinion.- Score.- Publication Date. |
| Expected | All of the information detailed above should be shown. |
| Outcome | |
| Notes | URL to display a museum (in case necessary): museum/director/display.do?museumId= |

| Test #002 | |
|--------------------|---|
| Description | <p>You must log in as a Director and list your museums. Then, display one of them.</p> <p>Click on all of the pagination links that are shown: “First”, “Prev”, “Next”, and “Last”.</p> <p>Check it for the exhibitions and reviews listings.</p> |
| Expected | No exception or error should be thrown. |
| Outcome | |
| Notes | <p>URL to display a museum (in case necessary):</p> <p>museum/director/display.do?museumId=</p> |

| Test #003 | |
|--------------------|--|
| Description | <p>You must log in as a Director and list your museums. Then, display one of them.</p> <p>Click all the links shown. That is:</p> <ul style="list-style-type: none"> - Above the “About the Museum” section, it may appear a “handbag” icon, which is also a link. - In the “About the Museum” click on the director name. - The link to the list of incidents in the museum. - The link to the list of rooms in the museum. - The link to the list of groups in the museum. - In the exhibitions listing, click on the title. |
| Expected | No exception or error should be thrown. |
| Outcome | |
| Notes | <p>URL to display a museum (in case necessary):</p> <p>museum/director/display.do?museumId=</p> |

| Test #004 | |
|--------------------|---|
| Description | <p>You must log in as a Director and list your museums. Then, display one of them.</p> <p>Check that the dates follow the pattern MM/dd/yyyy hh:mm in English and dd/MM/yyyy hh:mm in Spanish.</p> <p>Check that the prices follow the pattern €X.XX in English and X,XX€ in Spanish.</p> |
| Expected | The information should follow the indicated patterns. |
| Outcome | |
| Notes | <p>URL to display a museum (in case necessary):</p> <p>museum/director/display.do?museumId=</p> |

| Test #005 | |
|--------------------|--|
| Description | <p>You must log in as a Director and list your museums. Then, display a museum which doesn't have a Store and click on the "Create a store for this museum" link.</p> <p>Assert that the form shows the following information:</p> <ul style="list-style-type: none"> - Name. - Logo. - Phone number. - Email. |
| Expected | All of the information detailed above should be shown. |
| Outcome | |
| Notes | <p>URL to create a Store (in case necessary):</p> <p>store/director/create.do?museumId=</p> |

| Test #006 | |
|--------------------|---|
| Description | <p>You must log in as a Director and list your museums. Then, display a museum which doesn't have a Store and click on the "Create a store for this museum" link.</p> <p>Enter the following information:</p> <ul style="list-style-type: none"> - Name: "" - Logo: "" - Phone number: "" - Email: "" <p>Now try to save the Store.</p> <p>Once the errors are shown, click on the "Cancel" button.</p> |
| Expected | You should be redirected to the display of the museum you were creating a Store for. |
| Outcome | |
| Notes | <p>URL to create a Store (in case necessary):</p> <p>store/director/create.do?museumId=</p> |

| Test #007 | |
|--------------------|---|
| Description | <p>You must log in as a Director and list your museums. Then, display a museum which doesn't have a Store and click on the "Create a store for this museum" link.</p> <p>Enter the following information:</p> <ul style="list-style-type: none"> - Name: "" - Logo: "" - Phone number: "" - Email: "" <p>Now try to save the Store.</p> |
| Expected | <p>A "Must not be blank" error should be shown next to: Name, Logo, Phone number and Email.</p> <p>A "Does not match pattern" error should be shown next to: Phone number.</p> |
| Outcome | |
| Notes | <p>URL to create a Store (in case necessary): store/director/create.do?museumId=</p> |

| Test #008 | |
|--------------------|--|
| Description | <p>You must log in as a Director and list your museums. Then, display a museum which doesn't have a Store and click on the "Create a store for this museum" link.</p> <p>Enter the following information:</p> <ul style="list-style-type: none"> - Name: "Souvenirs" - Logo: "https://thumbs.dreamstime.com/z/vector-text-summer-time-print-t-shirt-souvenirs-banner-card-promotional-calligraphy-clothes-shop-women-website-internet-blog-115894257.jpg" - Phone number: "634543453" - Email: "souvenirs@gmail.com" <p>Now try to save the Store.</p> |
| Expected | <p>The Store should be successfully created, and you should be redirected to its display view.</p> |
| Outcome | |
| Notes | <p>URL to create a Store (in case necessary): store/director/create.do?museumId=</p> |

| Test #009 | |
|--------------------|---|
| Description | <p>You must log in as a Director and list your museums. Then, display a museum which doesn't have a Store and click on the "Create a store for this museum" link.</p> <p>Enter the following information:</p> <ul style="list-style-type: none"> - Name: "<script>alert('hacked!');</script>" - Logo: "<script>alert('hacked!');</script>" - Phone number: "<script>alert('hacked!');</script>" - Email: "<script>alert('hacked!');</script>" <p>Now try to save the Store.</p> |
| Expected | <p>An "Insecure HTML" error should be shown next to: Name.</p> <p>An "Invalid URL" error should be shown next to: Logo.</p> <p>A "Does not match pattern" error should be shown next to: Phone number.</p> <p>An "Invalid email" error should be shown next to: Email.</p> |
| Outcome | |
| Notes | <p>URL to create a Store (in case necessary):</p> <p>store/director/create.do?museumId=</p> |

| Test #010 | |
|--------------------|---|
| Description | <p>You must log in as a Director and list your museums. Then, display a museum which doesn't have a Store and click on the "Create a store for this museum" link.</p> <p>Now inspect the HTML code (Ctrl + U, if you are using Google Chrome). Look for any "hidden" information in the HTML.</p> |
| Expected | Only two hidden inputs named "id" and "version" should be found. |
| Outcome | |
| Notes | <p>URL to create a Store (in case necessary):</p> <p>store/director/create.do?museumId=</p> |

| Test #011 | |
|--------------------|---|
| Description | <p>You must log in as a Director.</p> <p>Now you need to check in your database the ID of a museum that the principal does not own.</p> <p>Now try to create a Store for that museum, using its ID as the value of the "museumId" parameter in the URL:</p> <p>"store/director/create.do?museumId="</p> |
| Expected | A Panic view should be shown. |
| Outcome | |
| Notes | <p>URL to create a Store (in case necessary):</p> <p>store/director/create.do?museumId=</p> |

| Test #012 | |
|--------------------|---|
| Description | <p>You must log in as a Director.</p> <p>Now try to create a Store for a made-up museum, using a made up ID as the value of the “museumId” parameter in the URL: “store/director/create.do?museumId=”</p> |
| Expected | A Panic view should be shown. |
| Outcome | |
| Notes | <p>URL to create a Store (in case necessary): store/director/create.do?museumId=</p> |

| Test #013 | |
|--------------------|--|
| Description | You must repeat all tests of this UC 036, but now using the system in Spanish. |
| Expected | All messages should be shown in Spanish. |
| Outcome | |
| Notes | |

Use case 037 Director delete a Store

Description

A Director wants to delete the Store for one of the museums she manages. In order to do so, the user logs in to the system as a Director, lists her museums, displays one of them, then displays its store and deletes it.

Access

In the menu, “Login” – to access the system.

In the menu, “My Museums” – to access the list of museums of the principal.

In list of owned museums, click on the name of a museum – to display it.

In the display of a museum, if it has a Store, an icon of a handbag will appear – click on it to display the museum’s Store.

In the display of a Store, “Delete” – to delete it.

Tests

| Test #001 | |
|-------------------------|---|
| Description | You must log in as a Director and list your museums. Then, display a museum which has a Store and click on the handbag icon to display it. Assert that the products’ listing shows the following information: <ul style="list-style-type: none">- A photo of the product.- The name of the product.- A short description.- The price. |
| Expected Outcome | All of the information detailed above should be shown. |
| Notes | URL to display a store (in case necessary): store/director/display.do?storeId= |

| Test #002 | |
|-------------------------|---|
| Description | You must log in as a Director and list your museums. Then, display a museum which has a Store and click on the handbag icon to display it. Click on all of the pagination links that are shown: “First”, “Prev”, “Next”, and “Last”. |
| Expected Outcome | No exception or error should be thrown. |
| Notes | URL to display a store (in case necessary): store/director/display.do?storeId= |

| Test #003 | |
|--------------------|---|
| Description | <p>You must log in as a Director and list your museums. Then, display a museum which has a Store and click on the handbag icon to display it.</p> <p>Click all the links shown. That is:</p> <ul style="list-style-type: none"> - The “Go back to the museum” link. - The products’ photo. - The products’ name. |
| Expected | No exception or error should be thrown. |
| Outcome | |
| Notes | URL to display a store (in case necessary): store/director/display.do?storeId= |

| Test #004 | |
|--------------------|---|
| Description | <p>You must log in as a Director and list your museums. Then, display a museum which has a Store and click on the handbag icon to display it.</p> <p>Check that the prices follow the pattern €X.XX in English and X,XX€ in Spanish. Check that the photographs are shown as images and not as links.</p> |
| Expected | The information should follow the indicated patterns. |
| Outcome | |
| Notes | URL to display a store (in case necessary): store/director/display.do?storeId= |

| Test #005 | |
|--------------------|--|
| Description | <p>You must log in as a Director.</p> <p>Now you need to check in your database the ID of a store that the principal does not own.</p> <p>Now try to delete that Store, using its ID as the value of the “storeId” parameter in the URL: “store/director/delete.do?storeId=”</p> |
| Expected | A panic view should be shown. |
| Outcome | |
| Notes | URL to delete a store (in case necessary): store/director/delete.do?storeId= |

| Test #006 | |
|--------------------|--|
| Description | <p>You must log in as a Director.</p> <p>Now try to delete a made-up Store, using a made-up ID as the value of the “storeId” parameter in the URL: “store/director/delete.do?storeId=”</p> |
| Expected | A panic view should be shown. |
| Outcome | |
| Notes | <p>URL to delete a store (in case necessary): store/director/delete.do?storeId=</p> |

| Test #007 | |
|--------------------|--|
| Description | <p>You must log in as a Director and list your museums. Then, display a museum which has a Store and click on the handbag icon to display it. Finally, click on its “Delete” link.</p> <p>Now, click on the “Cancel” button.</p> |
| Expected | You should be redirected to that Store’s display view. |
| Outcome | |
| Notes | <p>URL to delete a store (in case necessary): store/director/delete.do?storeId=</p> |

| Test #008 | |
|--------------------|--|
| Description | <p>You must log in as a Director and list your museums. Then, display a museum which has a Store and click on the handbag icon to display it. Finally, click on its “Delete” link.</p> <p>Now inspect the HTML code (Ctrl + U, if you are using Google Chrome). Look for any “hidden” information in the HTML.</p> |
| Expected | Only two hidden inputs named “id” and “version” should be found. |
| Outcome | |
| Notes | <p>URL to delete a store (in case necessary): store/director/delete.do?storeId=</p> |

| Test #009 | |
|--------------------|--|
| Description | <p>You must log in as a Director and list your museums. Then, display a museum which has a Store and click on the handbag icon to display it. Finally, click on its “Delete” link.</p> <p>Now, click on the “Delete” button.</p> |
| Expected | The Store should be successfully deleted, and you should be redirected to the display view of its museum. |
| Outcome | |
| Notes | <p>URL to delete a store (in case necessary): store/director/delete.do?storeId=</p> |

| Test #010 | |
|-------------|--|
| Description | You must repeat all tests of this UC 037, but now using the system in Spanish. |
| Expected | All messages should be shown in Spanish. |
| Outcome | |
| Notes | |

Use case 038 Guide create an incident

Description

A guide wants to create an incident for one of the rooms in which he/she works in. In order to do so, he/she must log in as a guide, then list her/his museums, display one of them, list the incidents and then create a new one.

Access

“Main Menu > Login” – to authenticate in the system

“Main Menu > My Museums” – to list the museums in which he/she works for.

Tests

| Test #001 | |
|--------------------|---|
| Description | You must log in as guide1/guide1. Then, click on “My Museums” on the Main Menu. Click on “The Prado”, and as soon as the museum is displayed, click on “List of incidents in this museum”. Click on “Create a new incident” and fill the form with the following data: <ul style="list-style-type: none">- Text: Test- Security level: Low- Room: A1.10 - The Prado Then click on Save. |
| Expected | The system must redirect you to the previous list of incidents of a museum. A new one must be in the list. Check that the status is marked as Pending. |
| Outcome | |
| Notes | URL to list my museums (In case necessary): museum/guide/listWorkplaces.do |

| Test #002 | |
|--------------------|--|
| Description | You must log in as guide1/guide1. Then, click on “My Museums” on the Main Menu. Click on “The Prado”, and as soon as the museum is displayed, click on “List of incidents in this museum”. Click on “Create a new incident” and fill the form with the following data: <ul style="list-style-type: none">- Text:- Security level: Low- Room: A1.10 - The Prado Then click on Save. |
| Expected | The system must redirect you to the editing form with the following validation errors: <ul style="list-style-type: none">- Text: Must not be blank. |
| Outcome | |
| Notes | URL to list my museums (In case necessary): museum/guide/listWorkplaces.do |

| Test #003 | |
|--------------------|---|
| Description | <p>You must log in as guide1/guide1. Then, click on “My Museums” on the Main Menu. Click on “The Prado”, and as soon as the museum is displayed, click on “List of incidents in this museum”. Click on “Create a new incident” and fill the form with the following data:</p> <ul style="list-style-type: none"> - Text: Test - Security level: Low - Room: A1.10 - The Prado <p>Now, click on Inspect and look for the form in the html document. Change the values of security level (from “LOW” to “0”) and room (change the id to “0”).</p> <p>Then click on Save.</p> |
| Expected | The system must show a panic view with the following message: IllegalArgumentException |
| Outcome | |
| Notes | URL to list my museums (In case necessary): museum/guide/listWorkplaces.do |

| Test #004 | |
|--------------------|---|
| Description | <p>You must log in as guide1/guide1. Then, click on “My Museums” on the Main Menu. Click on “The Prado”, and as soon as the museum is displayed, click on “List of incidents in this museum”. Click on “Create a new incident” and fill the form with the following data:</p> <ul style="list-style-type: none"> - Text: <code><script>alert('Test');</script></code> - Security level: Low - Room: A1.10 - The Prado <p>Then click on Save.</p> |
| Expected | The system must redirect you to the editing form with the following validation error: <ul style="list-style-type: none"> - Text: Insecure HTML |
| Outcome | |
| Notes | URL to list my museums (In case necessary): museum/guide/listWorkplaces.do |

| Test #005 | |
|--------------------|--|
| Description | You must log in as guide1/guide1. Then, click on “My Museums” on the Main Menu. Click on “The Prado”, and as soon as the museum is displayed, click on “List of incidents in this museum”. Click on “Create a new incident” and then click on “Cancel” |
| Expected | The system must redirect you to the previous list of incidents of a museum. |
| Outcome | |
| Notes | URL to list my museums (In case necessary): museum/guide/listWorkplaces.do |

| Test #006 | |
|-------------------------|--|
| Description | You must log in as guide1/guide1. Then, click on “My Museums” on the Main Menu. Click on “The Prado”, and as soon as the museum is displayed, click on “List of incidents in this museum”. Check that there’s at least 6 elements, and if not, create the necessary ones. Click on the pagination links. |
| Expected Outcome | The system must show another set of elements in the list in a correct way. |
| Notes | URL to list my museums (In case necessary): museum/guide/listWorkplaces.do |

| Test #007 | |
|-------------------------|--|
| Description | You must log in as guide1/guide1. Then, click on “My Museums” on the Main Menu. Click on “The Prado”, and as soon as the museum is displayed, click on “List of incidents in this museum”. Click on “Security Level” in order to sort the table by the security level. |
| Expected Outcome | Check that the table is sorted by the security level. (Low < Medium < High) |
| Notes | URL to list my museums (In case necessary): museum/guide/listWorkplaces.do |

| Test #008 | |
|-------------------------|--|
| Description | You must log in as guide1/guide1. Then, click on “My Museums” on the Main Menu. Click on “The Prado”, and as soon as the museum is displayed, click on “List of incidents in this museum”. Click on the museum who belongs with that incident. |
| Expected Outcome | The system must redirect you perfectly to the display view of the museum. |
| Notes | URL to list my museums (In case necessary): museum/guide/listWorkplaces.do |

| Test #009 | |
|-------------------------|--|
| Description | You must log in as guide1/guide1. Then, click on “My Museums” on the Main Menu. Click on “The Prado”, and as soon as the museum is displayed, click on “List of incidents in this museum”. Look at the URL and change the value of museumId for the id of a museum in which the guide doesn’t work (The Louvre for example). Copy the id of The Louvre and paste it in the URL. Enter the URL. |
| Expected Outcome | You should get a panic view with the following message: IllegalArgumentException |
| Notes | URL to list my museums (In case necessary): museum/guide/listWorkplaces.do |

| Test #010 | |
|-------------|--|
| Description | Repeat the entire UC 038 but now with the language in Spanish. |
| Expected | Check that all the messages are translated except for the ones created by users. |
| Outcome | |
| Notes | URL to list my museums (In case necessary): museum/guide/listWorkplaces.do |

Use case 039 Sponsor create a Sponsorship

Description

A Sponsor wants to create a new Sponsorship for some exhibition that has not started yet. In order to do so, she or he logs in and uses the integrated search engine to explore and choose the exhibitions she or he may be interested into. Then, she or he creates a new exhibition for those ones.

Access

“Main Menu > Login” – to access the system.

“Main Menu > Exhibition’s search” – to search among the different exhibitions of the system using the search engine.

In the exhibitions’ search engine, “Search” – to list the search results.

In the search results listing, click on the title of an exhibition – to display it.

In list of display of an Exhibition, the link “Request to sponsor this exhibition” appears if you are logged as a sponsor and the exhibition has not started yet.

Tests

| Test #001 | |
|-------------------------|--|
| Description | <p>You must log in as a Sponsor, display the exhibition’s search engine and search for a keyword which may have several results, for example, letter “a”.</p> <p>Assert that the listing shows the following information:</p> <ul style="list-style-type: none">- Ticker.- Title.- Museum.- Starting date.- Ending date.- “Passed” if the ending date is in the past.- Price |
| Expected Outcome | All the information detailed above should be shown. |
| Notes | URL to list the search results (in case necessary): exhibition/sponsor/listResults.do?keyword= |

| Test #002 | |
|--------------------|---|
| Description | <p>You must log in as a Sponsor, display the exhibition's search engine and search for a keyword which may have several results, for example, letter "a".</p> <p>Click on all the pagination links that are shown: "First", "Prev", "Next", and "Last".</p> |
| Expected | No exception or error should be thrown. |
| Outcome | |
| Notes | <p>URL to list the search results (in case necessary):</p> <p>exhibition/sponsor/listResults.do?keyword=</p> |

| Test #003 | |
|--------------------|--|
| Description | <p>You must log in as a Critic, display the exhibition's search engine and search for a keyword which may have several results, for example, letter "a".</p> <p>Click all the links shown in the table. That is: title and museum.</p> |
| Expected | No exception or error should be thrown. |
| Outcome | |
| Notes | <p>URL to list the search results (in case necessary):</p> <p>exhibition/sponsor/listResults.do?keyword=</p> |

| Test #004 | |
|--------------------|--|
| Description | <p>You must log in as a Sponsor, display the exhibition's search engine and search for a keyword which may have several results, for example, letter "a".</p> <p>Check that the dates follow the pattern MM/dd/yyyy hh:mm in English and dd/MM/yyyy hh:mm in Spanish.</p> <p>Check that the prices follow the pattern €X.XX in English and X,XX€ in Spanish.</p> |
| Expected | The information should follow the indicated patterns. |
| Outcome | |
| Notes | <p>URL to list the search results (in case necessary):</p> <p>exhibition/sponsor/listResults.do?keyword=</p> |

| Test #005 | |
|-------------------------|---|
| Description | <p>You must log in as a Sponsor, display the exhibition's search engine and search for a keyword which may have several results, for example, letter "a". Display an exhibition which hasn't started yet.</p> <p>Assert that the "General Information" section shows the following information:</p> <ul style="list-style-type: none"> - "From" and "to" dates. - Museum. - Exhibition. - Price. - Ticker. - Websites of Interest. - Category. <p>Assert that the "Description" section is shown.</p> <p>Assert that the artworks' listing shows the following information:</p> <ul style="list-style-type: none"> - Title. - Photograph. - Creator's name. - Year. - Mode. <p>Assert that the critiques' listing shows the following information:</p> <ul style="list-style-type: none"> - Critic. - Title. - Score. <p>Assert that the guides' listing shows the following information:</p> <ul style="list-style-type: none"> - Name. - Surnames. - Email. |
| Expected Outcome | All the information detailed above should be shown. |
| Notes | <p>URL to list the search results (in case necessary): exhibition/sponsor/listResults.do?keyword=</p> <p>URL to display an exhibition (in case necessary): exhibition/sponsor/display.do?exhibitionId=</p> |

| Test #006 | |
|-------------------------|---|
| Description | <p>You must log in as a Sponsor, display the exhibition's search engine and search for a keyword which may have several results, for example, letter "a". Display an exhibition which hasn't started yet.</p> <p>Click on all the pagination links that are shown: "First", "Prev", "Next", and "Last". Check it for the artworks, critiques and guides listings.</p> |
| Expected Outcome | No exception or error should be thrown. |
| Notes | <p>URL to list the search results (in case necessary): exhibition/sponsor/listResults.do?keyword=</p> <p>URL to display an exhibition (in case necessary): exhibition/sponsor/display.do?exhibitionId=</p> |

| Test #007 | |
|-------------------------|--|
| Description | <p>You must log in as a Sponsor, display the exhibition's search engine and search for a keyword which may have several results, for example, letter "a". Display an exhibition which hasn't started yet.</p> <p>Click all the links shown. That is:</p> <ul style="list-style-type: none"> - In the "General Information" click on the museum and category links. - In the artworks listing, click on the title. - In the critiques listing, click on the title. |
| Expected Outcome | No exception or error should be thrown. |
| Notes | <p>URL to list the search results (in case necessary): exhibition/sponsor/listResults.do?keyword=</p> <p>URL to display an exhibition (in case necessary): exhibition/sponsor/display.do?exhibitionId=</p> |

| Test #008 | |
|-------------------------|--|
| Description | <p>You must log in as a Sponsor, display the exhibition's search engine and search for a keyword which may have several results, for example, letter "a". Display an exhibition which hasn't started yet.</p> <p>Check that the dates follow the pattern MM/dd/yyyy hh:mm in English and dd/MM/yyyy hh:mm in Spanish.</p> <p>Check that the prices follow the pattern €X.XX in English and X,XX€ in Spanish.</p> <p>Check that the artwork photographs are shown as images and not as links.</p> |
| Expected Outcome | The information should follow the indicated patterns. |
| Notes | <p>URL to list the search results (in case necessary): exhibition/sponsor/listResults.do?keyword=</p> <p>URL to display an exhibition (in case necessary): exhibition/sponsor/display.do?exhibitionId=</p> |

| Test #009 | |
|-------------------------|---|
| Description | <p>You must log in as a Sponsor, display the exhibition's search engine and search for a keyword which may have several results, for example, letter "a". Display an exhibition which hasn't started yet.</p> <p>Check that a link named "Request to sponsor this exhibition" appears below the title of the exhibition and that it is fully functional (that is, it redirects to the correct creation form).</p> |
| Expected Outcome | The link should appear, and the target page should be rendered without any problems. |
| Notes | <p>URL to list the search results (in case necessary): exhibition/sponsor/listResults.do?keyword=</p> <p>URL to display an exhibition (in case necessary): exhibition/sponsor/display.do?exhibitionId=</p> |

| Test #010 | |
|-------------------------|--|
| Description | <p>You must log in as a Sponsor, display the exhibition's search engine and search for a keyword which may have several results, for example, letter "a". Display an exhibition which hasn't started yet. Create a new sponsorship request for that exhibition by means of the link below the title.</p> <p>Assert that the form contains the following information:</p> <ul style="list-style-type: none"> - Banner - Link <p>Two buttons, one named after "Save" and another one "Cancel".</p> |
| Expected Outcome | All the information detailed above should be shown. |
| Notes | <p>URL to list the search results (in case necessary): exhibition/sponsor/listResults.do?keyword=</p> <p>URL to display an exhibition (in case necessary): exhibition/sponsor/display.do?exhibitionId=</p> <p>URL to create a Sponsorship (in case necessary): sponsorship/sponsor/create.do?exhibitionId=</p> |

| Test #011 | |
|-------------------------|--|
| Description | <p>You must log in as a Sponsor, display the exhibition's search engine and search for a keyword which may have several results, for example, letter "a". Display an exhibition which hasn't started yet. Create a new sponsorship request for that exhibition by means of the link below the title.</p> <p>Enter the following information in the forthcoming dialog:</p> <ul style="list-style-type: none"> - Banner: "" - Link: "" <p>Now try to save the Sponsorship. Once the errors are shown, click on the "Cancel" button.</p> |
| Expected Outcome | You should be redirected to the display of the associated exhibition. |
| Notes | <p>URL to list the search results (in case necessary): exhibition/sponsor/listResults.do?keyword=</p> <p>URL to display an exhibition (in case necessary): exhibition/sponsor/display.do?exhibitionId=</p> <p>URL to create a Sponsorship (in case necessary): sponsorship/sponsor/create.do?exhibitionId=</p> |

| Test #012 | |
|-------------------------|---|
| Description | <p>You must log in as a Sponsor, display the exhibition's search engine and search for a keyword which may have several results, for example, letter "a". Display an exhibition which hasn't started yet. Create a new sponsorship request for that exhibition by means of the link below the title.</p> <p>Enter the following information in the forthcoming dialog:</p> <ul style="list-style-type: none"> - Banner: "" - Link: "" <p>Now try to save the Sponsorship.</p> |
| Expected Outcome | You should get a "Must not be blank" error on both fields. |
| Notes | <p>URL to list the search results (in case necessary): exhibition/sponsor/listResults.do?keyword=</p> <p>URL to display an exhibition (in case necessary): exhibition/sponsor/display.do?exhibitionId=</p> <p>URL to create a Sponsorship (in case necessary): sponsorship/sponsor/create.do?exhibitionId=</p> |

| Test #013 | |
|-------------------------|---|
| Description | <p>You must log in as a Sponsor, display the exhibition's search engine and search for a keyword which may have several results, for example, letter "a". Display an exhibition which hasn't started yet. Create a new sponsorship request for that exhibition by means of the link below the title.</p> <p>Enter the following information in the forthcoming dialog:</p> <ul style="list-style-type: none"> - Banner: "<script>alert('hacked!');</script>" - Link: "<script>alert('hacked!');</script>" <p>Now try to save the Sponsorship.</p> |
| Expected Outcome | You should get a "Invalid URL" error on both fields. |
| Notes | <p>URL to list the search results (in case necessary): exhibition/sponsor/listResults.do?keyword=</p> <p>URL to display an exhibition (in case necessary): exhibition/sponsor/display.do?exhibitionId=</p> <p>URL to create a Sponsorship (in case necessary): sponsorship/sponsor/create.do?exhibitionId=</p> |

| Test #014 | |
|--------------------|---|
| Description | <p>You must log in as a Sponsor, display the exhibition's search engine and search for a keyword which may have several results, for example, letter "a". Display an exhibition which hasn't started yet. Create a new sponsorship request for that exhibition by means of the link below the title.</p> <p>Enter the following information in the forthcoming dialog:</p> <ul style="list-style-type: none"> - Banner: (insert a valid URL image here, i.e. https://tinyurl.com/puppyDP) - Link: http://www.apple.es <p>Now try to save the Sponsorship.</p> |
| Expected | The Sponsorship should be created successfully, and it should redirect you to the listing of the sponsorship of the current Sponsor, where there is a new entry matching the data introduced and which status must be equal to PENDING (that must appear in blue). |
| Outcome | |
| Notes | <p>URL to list the search results (in case necessary): exhibition/sponsor/listResults.do?keyword=</p> <p>URL to display an exhibition (in case necessary): exhibition/sponsor/display.do?exhibitionId=</p> <p>URL to create a Sponsorship (in case necessary): sponsorship/sponsor/create.do?exhibitionId=</p> |

| Test #015 | |
|--------------------|--|
| Description | <p>You must log in as a Sponsor, display the exhibition's search engine and search for a keyword which may have several results, for example, letter "a". Display an exhibition which hasn't started yet. Create a new sponsorship request for that exhibition by means of the link below the title.</p> <p>Now inspect the HTML code (Ctrl + U, if you are using Google Chrome). Look for any "hidden" information in the HTML.</p> |
| Expected | Only two hidden inputs should be found, named "id". |
| Outcome | |
| Notes | <p>URL to list the search results (in case necessary): exhibition/sponsor/listResults.do?keyword=</p> <p>URL to display an exhibition (in case necessary): exhibition/sponsor/display.do?exhibitionId=</p> <p>URL to create a Sponsorship (in case necessary): sponsorship/sponsor/create.do?exhibitionId=</p> |

| Test #016 | |
|--------------------|---|
| Description | You must log in as a Sponsor and try to create a new sponsorship for a non-existing exhibition. In order to do so, use the provided URL with a made-up id |
| Expected | The system rejects the operation by displaying a Panic View (IllegalArgumentException). |
| Outcome | |
| Notes | URL to create a Sponsorship (in case necessary): sponsorship/sponsor/create.do?exhibitionId= |

| Test #017 | |
|--------------------|--|
| Description | You must log in as a Sponsor and try to create a new sponsorship for an exhibition that has already started but is not finished yet. You may use the provided URL in order to do so. |
| Expected | The system rejects the operation by displaying a Panic View (IllegalArgumentException). |
| Outcome | |
| Notes | URL to create a Sponsorship (in case necessary): sponsorship/sponsor/create.do?exhibitionId= |

| Test #018 | |
|--------------------|--|
| Description | You must log in as a Sponsor and try to create a new sponsorship for an exhibition that has already finished (that is, one that is flagged as passed). You may use the provided URL in order to do so. |
| Expected | The system rejects the operation by displaying a Panic View (IllegalArgumentException). |
| Outcome | |
| Notes | URL to create a Sponsorship (in case necessary): sponsorship/sponsor/create.do?exhibitionId= |

| Test #019 | |
|--------------------|--|
| Description | You must repeat all tests of this UC 039, but now using the system in Spanish. |
| Expected | All messages should be shown in Spanish. |
| Outcome | |
| Notes | |

Use case 040 Sponsor accept sponsorship

Description

A sponsor wants to accept a sponsorship proposed by a director. In order to do so, she/he must log in to the system as a sponsor, list her/his sponsorships and then accept one of them.

Access

“Main Menu > Login” – to authenticate in the system

“Main Menu > My Sponsorships” – to list the sponsorships created by the sponsor.

Tests

| Test #001 | |
|-------------|--|
| Description | <p>You must login as sponsor1/sponsor1. Click on “My Sponsorships” and look for the one that is yet to accept/reject (which is the one with a Eurovision banner). Click on accept and fill the form with the following data:</p> <ul style="list-style-type: none">- Holder name: Test- Brand name: Test- Credit Card number: 1111222233334444- CVV: 123- Month: 10- Year: 2020 <p>And click on save.</p> |
| Expected | The system must redirect you to the list of sponsorships of the sponsor. The recently-accepted sponsorship must now be marked as ACCEPTED with green. |
| Outcome | |
| Notes | URL to list my sponsorships (In case necessary): sponsorship/sponsor/listMine.do |

| Test #002 | |
|--------------------|--|
| Description | <p>You must login as sponsor1/sponsor1. Click on “My Sponsorships” and look for the one that is yet to accept/reject (which is the one with a Eurovision banner). Click on accept and fill the form with the following data:</p> <ul style="list-style-type: none"> - Holder name: - Brand name: - Credit Card number: - CVV: 0 - Month: 0 - Year: 0 <p>And click on save.</p> |
| Expected | <p>The system must redirect you to the editing form again with the following validation errors:</p> <ul style="list-style-type: none"> - Holder Name: Must not be blank - Brand Name: Must not be blank - Credit Card Number: Does not match the pattern - CVV: Too small (min = 100) - Month: Too small (min = 1) |
| Outcome | |
| Notes | <p>URL to list my sponsorships (In case necessary): sponsorship/sponsor/listMine.do</p> |

| Test #003 | |
|--------------------|---|
| Description | <p>You must log in as sponsor1/sponsor1. Click on “My Sponsorships” and look for the one that is yet to accept/reject (which is the one with a Eurovision banner). Click on accept and fill the form with the following data:</p> <ul style="list-style-type: none"> - Holder name: Test - Brand name: Test - Credit Card number: 1111222233334445 - CVV: 1000 - Month: 13 - Year: 2020 <p>And click on save.</p> |
| Expected | <p>The system must redirect you to the editing form again with the following validation errors:</p> <ul style="list-style-type: none"> - Credit Card Number: Invalid credit card number - CVV: Too large (max = 999) - Month: Too large (max = 12) |
| Outcome | |
| Notes | <p>URL to list my sponsorships (In case necessary): sponsorship/sponsor/listMine.do</p> |

| Test #004 | |
|--------------------|---|
| Description | <p>You must login as sponsor1/sponsor1. Click on “My Sponsorships” and look for the one that is yet to accept/reject (which is the one with a Eurovision banner). Click on accept and fill the form with the following data:</p> <ul style="list-style-type: none"> - Holder name: Test - Brand name: Test - Credit Card number: 1111222233334444 - CVV: 123 - Month: 10 - Year: 2017 <p>And click on save.</p> |
| Expected | The system must redirect you to the editing form again with the following error: Cannot commit this operation |
| Outcome | |
| Notes | URL to list my sponsorships (In case necessary): sponsorship/sponsor/listMine.do |

| Test #005 | |
|--------------------|--|
| Description | <p>You must login as sponsor1/sponsor1. Click on “My Sponsorships” and look for the one that is yet to accept/reject (which is the one with a Eurovision banner). Click on accept and fill the form with the following data:</p> <ul style="list-style-type: none"> - Holder name: Test - Brand name: Test - Credit Card number: 1111222233334444 - CVV: 123 - Month: 4 - Year: 2018 <p>And click on save.</p> |
| Expected | The system must redirect you to the editing form again with the following error: Cannot commit this operation |
| Outcome | |
| Notes | URL to list my sponsorships (In case necessary): sponsorship/sponsor/listMine.do |

| Test #006 | |
|--------------------|--|
| Description | <p>You must login as sponsor1/sponsor1. Click on “My Sponsorships” and look for the one that is yet to accept/reject (which is the one with a Eurovision banner). Click on accept and fill the form with the following data:</p> <ul style="list-style-type: none"> - Holder name: <script>alert('Hola');</script> - Brand name: <script>alert('Hola');</script> - Credit Card number: <script>alert('Hola');</script> - CVV: 123 - Month: 10 - Year: 2020 <p>And click on save.</p> |
| Expected | <p>The system must redirect you to the editing form again with the following validation errors:</p> <ul style="list-style-type: none"> - Holder name: Insecure HTML - Brand name: Insecure HTML - Credit card number: Does not match the pattern |
| Outcome | |
| Notes | <p>URL to list my sponsorships (In case necessary): sponsorship/sponsor/listMine.do</p> |

| Test #007 | |
|--------------------|--|
| Description | <p>You must login as sponsor1/sponsor1. Click on “My Sponsorships” and look for the one that is yet to accept/reject (which is the one with a Eurovision banner). Click on accept and then click on Cancel</p> |
| Expected | <p>The system must redirect you to the list of sponsorships. Nothing from the previous sponsorship should have changed.</p> |
| Outcome | |
| Notes | <p>URL to list my sponsorships (In case necessary): sponsorship/sponsor/listMine.do</p> |

| Test #008 | |
|--------------------|--|
| Description | <p>Repeat the entire UC-040 but now with the language in Spanish.</p> |
| Expected | <p>Make sure that everything is translated except for the messages created by users</p> |
| Outcome | |
| Notes | <p>URL to list my sponsorships (In case necessary): sponsorship/sponsor/listMine.do</p> |

Use case 041 Sponsor reject sponsorship

Description

A sponsor wants to reject a sponsorship proposed by a director. In order to do so, she/he must log in to the system as a sponsor, list her/his sponsorships and then reject one of them.

Access

“Main Menu > Login” – to authenticate in the system

“Main Menu > My Sponsorships” – to list the sponsorships created by the sponsor.

Tests

| Test #001 | |
|-------------|---|
| Description | You must login as sponsor1/sponsor1. Click on “My Sponsorships” and look for the one that is yet to accept/reject (which is the one with a Eurovision banner). Click on “Reject”. |
| Expected | The system must redirect you to the same table again. The sponsorship should still stay there, but now it’s flagged as REJECTED in red. |
| Outcome | |
| Notes | URL to list my sponsorships (In case necessary): sponsorship/sponsor/listMine.do |

| Test #002 | |
|-------------|---|
| Description | You must login as sponsor1/sponsor1. Click on “My Sponsorships” and look for the one that is yet to accept/reject (which is the one with a Eurovision banner). Copy the URL of “Reject” and paste it on the browser. Change the value of sponsorshipId for “1”, and then enter the URL. |
| Expected | The system must show a panic error which says: IllegalArgumentException |
| Outcome | |
| Notes | URL to list my sponsorships (In case necessary): sponsorship/sponsor/listMine.do |

| Test #003 | |
|-------------|---|
| Description | You must login as sponsor1/sponsor1. Click on “My Sponsorships”. Make sure that there’s at least 6 sponsorships created. Click on the pagination links. |
| Expected | The system must show another set of sponsorships in a correct way. |
| Outcome | |
| Notes | URL to list my sponsorships (In case necessary): sponsorship/sponsor/listMine.do |

| Test #004 | |
|-------------------------|--|
| Description | You must login as sponsor1/sponsor1. Click on “My Sponsorships” and check the Exhibition column. Click on the title of any exhibition. |
| Expected Outcome | The system must redirect you correctly to the display view of the exhibition. |
| Notes | URL to list my sponsorships (In case necessary): sponsorship/sponsor/listMine.do |

| Test #005 | |
|-------------------------|--|
| Description | You must login as sponsor1/sponsor1. Click on “My Sponsorships” and check the banner column. Click on any of the images. |
| Expected Outcome | The system must open a new tab showing the banner in full size. |
| Notes | URL to list my sponsorships (In case necessary): sponsorship/sponsor/listMine.do |

| Test #006 | |
|-------------------------|--|
| Description | You must login as sponsor1/sponsor1. Click on “My Sponsorships” and check the link column. Click on any of the link. |
| Expected Outcome | The system must redirect you to the website of the sponsorship. |
| Notes | URL to list my sponsorships (In case necessary): sponsorship/sponsor/listMine.do |

| Test #007 | |
|-------------------------|---|
| Description | You must login as sponsor1/sponsor1. Click on “My Sponsorships” and check the credit card column. |
| Expected Outcome | Make sure that the credit card is censored. That is: from the 16 numbers, only the last 4 ones are being shown and the rest of them are marked as *. When a Credit Card is not introduced yet, it is flagged with a “-” |
| Notes | URL to list my sponsorships (In case necessary): sponsorship/sponsor/listMine.do |

| Test #008 | |
|-------------------------|--|
| Description | You must login as sponsor1/sponsor1. Click on “My Sponsorships” and look for the status column. |
| Expected Outcome | Make sure that the column is coloured as green for ACCEPTED, blue for PENDING, red for REJECTED and yellow for TIME NEGOTIATION. |
| Notes | URL to list my sponsorships (In case necessary): sponsorship/sponsor/listMine.do |

| Test #009 | |
|--------------------|--|
| Description | You must login as sponsor1/sponsor1. Click on “My Sponsorships” and check the starting date and ending date. |
| Expected | Make sure that the starting and ending dates follow the pattern MM/dd/yyyy hh:mm for English and dd/MM/yyyy hh:mm for Spanish. |
| Outcome | |
| Notes | URL to list my sponsorships (In case necessary): sponsorship/sponsor/listMine.do |

| Test #010 | |
|--------------------|--|
| Description | Repeat the entire UC-041 but now with the language in Spanish. |
| Expected | Make sure that all the info is being translated into Spanish except for the messages created by users. |
| Outcome | |
| Notes | URL to list my sponsorships (In case necessary): sponsorship/sponsor/listMine.do |

Use case 042 Visitor create a comment

Description

A visitor wants to create a comment in a group in which she/he takes part of. In order to do so, she/he must log in as a visitor, list her/his joined groups, display one of them, and then create a comment (or reply to one of them)

Access

“Main Menu > Login” – to authenticate in the system

“Main Menu > Joined Groups” – to list the joined groups of the system.

Tests

| Test #001 | |
|--------------------|---|
| Description | You must log in as visitor1/visitor1. Click on “Joined Groups” and then click on any of them (Vist to el Prado, for example). At the bottom of the page, click on “Leave a comment” and fill the form with the following data: <ul style="list-style-type: none">- Title: Test- Description: This is a test- Picture: http://blog.infoempleo.com/media/2017/11/ThinkstockPhotos-520540984.jpg Then click on Save. |
| Expected | The system must redirect you to the display view of the museum. If you look for the recently-created comment in the comments table, it should be there. |
| Outcome | |
| Notes | URL to list joined groups(In case necessary): group/visitor/listJoined.do |

| Test #002 | |
|--------------------|---|
| Description | You must log in as visitor1/visitor1. Click on “Joined Groups” and then click on any of them (Vlst to el Prado, for example). At the bottom of the page, find any comment and click on “Reply”. Fill the form with the following data: <ul style="list-style-type: none">- Title: Test 2- Description: This is a test 2- Picture: Then click on Save. |
| Expected | The system must redirect you to the display view of the museum. If you look display the replies of the comment that you replied before, your recently-created comment should be there. |
| Outcome | |
| Notes | URL to list joined groups(In case necessary): group/visitor/listJoined.do |

| Test #003 | |
|--------------------|--|
| Description | <p>You must log in as visitor1/visitor1. Click on “Joined Groups” and then click on any of them (Vist to el Prado, for example). At the bottom of the page, click on “Leave a comment” and fill the form with the following data:</p> <ul style="list-style-type: none"> - Title: - Description: - Picture: test <p>Then click on Save.</p> |
| Expected | <p>The system must redirect you to the editing form with the following validation errors:</p> <ul style="list-style-type: none"> - Title: Must not be blank - Description: Must not be blank - Picture: Invalid URL |
| Outcome | |
| Notes | <p>URL to list joined groups(In case necessary): group/visitor/listJoined.do</p> |

| Test #004 | |
|--------------------|---|
| Description | <p>You must log in as visitor1/visitor1. Click on “Joined Groups” and then click on any of them (Vist to el Prado, for example). At the bottom of the page, click on “Leave a comment” and fill the form with the following data:</p> <ul style="list-style-type: none"> - Title: <script>alert('Test');</script> - Description: <script>alert('Test');</script> - Picture: <script>alert('Test');</script> <p>Then click on Save.</p> |
| Expected | <p>The system must redirect you to the editing form with the following validation errors:</p> <ul style="list-style-type: none"> - Title: Insecure HTML - Description: Insecure HTML - Picture: Invalid URL |
| Outcome | |
| Notes | <p>URL to list joined groups(In case necessary): group/visitor/listJoined.do</p> |

| Test #005 | |
|--------------------|--|
| Description | <p>You must log in as visitor1/visitor1. Click on “Joined Groups” and then click on any of them (Vist to el Prado, for example). At the bottom of the page, click on “Leave a comment” and then click on “Cancel”.</p> |
| Expected | <p>The system must redirect you to the display view of the museum.</p> |
| Outcome | |
| Notes | <p>URL to list joined groups(In case necessary): group/visitor/listJoined.do</p> |

| Test #006 | |
|--------------------|---|
| Description | You must log in as visitor1/visitor1. Click on “Joined Groups”. Check the creation moment and meeting date. |
| Expected | Check that the pattern for the creation date and meeting date is MM/dd/yyyy hh:mm in English and dd/MM/yyyy hh:mm in Spanish. |
| Outcome | |
| Notes | URL to list joined groups(In case necessary): group/visitor/listJoined.do |

| Test #007 | |
|--------------------|---|
| Description | <p>You must log in as visitor1/visitor1. Click on “Joined Groups” and then click on any of them (Vlst to el Prado, for example). At the bottom of the page, click on “Leave a comment”.</p> <p>Now inspect the HTML code (Ctrl + U, if you are using Google Chrome). Look for any “hidden” information in the HTML.</p> |
| Expected | Only two hidden inputs should be found, named “id” and “version”. |
| Outcome | |
| Notes | URL to list joined groups(In case necessary): group/visitor/listJoined.do |

| Test #008 | |
|--------------------|--|
| Description | You must log in as visitor1/visitor1. Click on “Joined Groups” and then check the museum column. Click on any of the titles. |
| Expected | The system must redirect you to the display view of the museum associated to the group. |
| Outcome | |
| Notes | URL to list joined groups(In case necessary): group/visitor/listJoined.do |

| Test #009 | |
|--------------------|---|
| Description | Repeat the entire UC-042 but now with the language in Spanish. |
| Expected | Check that all the information is being translated into Spanish except for the messages created by users. |
| Outcome | |
| Notes | URL to list joined groups(In case necessary): group/visitor/listJoined.do |

Use case 043 Visitor buy a day pass for an exhibition

Description

A Visitor is interested in a particular private exhibition, and so she or he decides to buy a day pass to visit it. In order to do so, she or he logs in and search for an exhibition, takes a glimpse and buys a day pass introducing her or his details. As soon as the purchase has finished, she or he will be redirected to a list with all her or his bought day passes.

Access

“Main Menu > Login” – to access the system.

“Main Menu > Exhibition’s search” – to search among the different exhibitions of the system using the search engine.

“Main Menu > My day passes” – to list all the day passes the current visitor has bought.

In the exhibitions’ search engine, “Search” – to list the search results.

In the search results listing, click on the title of an exhibition – to display it.

In list of display of an Exhibition, the link “Buy a day pass for this exhibition” appears if you are logged as a visitor, the exhibition is private, and it has not finished yet. In addition, you won’t be able to buy a day pass if the exhibition does not have any final mode artworks.

Tests

| Test #001 | |
|--------------------|--|
| Description | <p>You must log in as a Visitor, display the exhibition’s search engine and search for a keyword which may have several results, for example, letter “a”.</p> <p>Assert that the listing shows the following information:</p> <ul style="list-style-type: none">- Ticker.- Title.- Museum.- Starting date.- Ending date.- “Passed” if the ending date is in the past.- Price |
| Expected | All the information detailed above should be shown. |
| Outcome | |
| Notes | URL to list the search results (in case necessary): exhibition/visitor/listResults.do?keyword= |

| Test #002 | |
|--------------------|---|
| Description | <p>You must log in as a Visitor, display the exhibition's search engine and search for a keyword which may have several results, for example, letter "a".</p> <p>Click on all the pagination links that are shown: "First", "Prev", "Next", and "Last".</p> |
| Expected | No exception or error should be thrown. |
| Outcome | |
| Notes | <p>URL to list the search results (in case necessary): exhibition/visitor/listResults.do?keyword=</p> |

| Test #003 | |
|--------------------|---|
| Description | <p>You must log in as a Visitor, display the exhibition's search engine and search for a keyword which may have several results, for example, letter "a".</p> <p>Click all the links shown in the table. That is: title and museum.</p> |
| Expected | No exception or error should be thrown. |
| Outcome | |
| Notes | <p>URL to list the search results (in case necessary): exhibition/visitor/listResults.do?keyword=</p> |

| Test #004 | |
|--------------------|--|
| Description | <p>You must log in as a Visitor, display the exhibition's search engine and search for a keyword which may have several results, for example, letter "a".</p> <p>Check that the dates follow the pattern MM/dd/yyyy hh:mm in English and dd/MM/yyyy hh:mm in Spanish.</p> <p>Check that the prices follow the pattern €X.XX in English and X,XX€ in Spanish.</p> |
| Expected | The information should follow the indicated patterns. |
| Outcome | |
| Notes | <p>URL to list the search results (in case necessary): exhibition/visitor/listResults.do?keyword=</p> |

| Test #005 | |
|-------------------------|---|
| Description | <p>You must log in as a Visitor, display the exhibition's search engine and search for a keyword which may have several results, for example, letter "a". Display an exhibition which hasn't started yet.</p> <p>Assert that the "General Information" section shows the following information:</p> <ul style="list-style-type: none"> - "From" and "to" dates. - Museum. - Exhibition. - Price. - Ticker. - Websites of Interest. - Category. <p>Assert that the "Description" section is shown.</p> <p>Assert that the artworks' listing shows the following information:</p> <ul style="list-style-type: none"> - Title. - Photograph. - Creator's name. - Year. - Mode. <p>Assert that the critiques' listing shows the following information:</p> <ul style="list-style-type: none"> - Critic. - Title. - Score. <p>Assert that the guides' listing shows the following information:</p> <ul style="list-style-type: none"> - Name. - Surnames. - Email. |
| Expected Outcome | All the information detailed above should be shown. |
| Notes | <p>URL to list the search results (in case necessary): exhibition/visitor/listResults.do?keyword=</p> <p>URL to display an exhibition (in case necessary): exhibition/visitor/display.do?exhibitionId=</p> |

| Test #006 | |
|-------------------------|---|
| Description | <p>You must log in as a Visitor, display the exhibition's search engine and search for a keyword which may have several results, for example, letter "a". Display an exhibition which hasn't started yet.</p> <p>Click on all the pagination links that are shown: "First", "Prev", "Next", and "Last". Check it for the artworks, critiques and guides listings.</p> |
| Expected Outcome | No exception or error should be thrown. |
| Notes | <p>URL to list the search results (in case necessary): exhibition/sponsor/listResults.do?keyword=</p> <p>URL to display an exhibition (in case necessary): exhibition/sponsor/display.do?exhibitionId=</p> |

| Test #007 | |
|-------------------------|--|
| Description | <p>You must log in as a Visitor, display the exhibition's search engine and search for a keyword which may have several results, for example, letter "a". Display an exhibition which hasn't started yet.</p> <p>Click all the links shown. That is:</p> <ul style="list-style-type: none"> - In the "General Information" click on the museum and category links. - In the artworks listing, click on the title. - In the critiques listing, click on the title. |
| Expected Outcome | No exception or error should be thrown. |
| Notes | <p>URL to list the search results (in case necessary): exhibition/visitor/listResults.do?keyword=</p> <p>URL to display an exhibition (in case necessary): exhibition/visitor/display.do?exhibitionId=</p> |

| Test #008 | |
|-------------------------|--|
| Description | <p>You must log in as a Visitor, display the exhibition's search engine and search for a keyword which may have several results, for example, letter "a". Display an exhibition which hasn't started yet.</p> <p>Check that the dates follow the pattern MM/dd/yyyy hh:mm in English and dd/MM/yyyy hh:mm in Spanish.</p> <p>Check that the prices follow the pattern €X.XX in English and X,XX€ in Spanish.</p> <p>Check that the artwork photographs are shown as images and not as links.</p> |
| Expected Outcome | The information should follow the indicated patterns. |
| Notes | <p>URL to list the search results (in case necessary): exhibition/visitor/listResults.do?keyword=</p> <p>URL to display an exhibition (in case necessary): exhibition/visitor/display.do?exhibitionId=</p> |

| Test #009 | |
|-------------------------|---|
| Description | <p>You must log in as a Visitor, display the exhibition's search engine and search for a keyword which may have several results, for example, letter "a". Display a public exhibition which hasn't finished yet.</p> <p>Check that a link to buy a day pass is not shown.</p> <p>Repeat the process for the following scenarios:</p> <ul style="list-style-type: none"> - A private exhibition with final mode artworks that has already finished. - A private exhibition with only draft mode artworks that has not started yet. |
| Expected Outcome | The different scenarios should result in the same situation: no link to buy a day pass is shown to the visitor. |
| Notes | <p>URL to list the search results (in case necessary): exhibition/visitor/listResults.do?keyword=</p> <p>URL to display an exhibition (in case necessary): exhibition/visitor/display.do?exhibitionId=</p> |

| Test #010 | |
|-------------------------|--|
| Description | <p>You must log in as a Visitor, display the exhibition's search engine and search for a keyword which may have several results, for example, letter "a". Display a private exhibition that has not finished yet and has at least one final mode artwork.</p> <p>Check that a link to buy a day pass is shown.</p> |
| Expected Outcome | A link to buy a day pass is shown to the visitor. |
| Notes | <p>URL to list the search results (in case necessary): exhibition/visitor/listResults.do?keyword=</p> <p>URL to display an exhibition (in case necessary): exhibition/visitor/display.do?exhibitionId=</p> |

| Test #011 | |
|------------------|--|
| Description | <p>You must log in as a Visitor, display the exhibition's search engine and search for a keyword which may have several results, for example, letter "a". Display a private exhibition that has not finished yet and has at least one final mode artwork. Buy a new day pass for that exhibition by means of the link below the title.</p> <p>Assert that the form contains the following information:</p> <ul style="list-style-type: none"> - Visit date for the date pass - Credit card's holder name - Credit card's brand name - Credit card number - Credit card CVV - Credit card month - Credit card year <p>Two buttons, one named after "Buy" and another one "Cancel".</p> |
| Expected Outcome | All the information detailed above should be shown. |
| Notes | <p>URL to list the search results (in case necessary): exhibition/visitor/listResults.do?keyword=</p> <p>URL to display an exhibition (in case necessary): exhibition/visitor/display.do?exhibitionId=</p> <p>URL to buy a day pass for an exhibition (in case necessary): dayPass/visitor/create.do?exhibitionId=</p> |

| Test #012 | |
|-------------------------|---|
| Description | <p>You must log in as a Visitor, display the exhibition's search engine and search for a keyword which may have several results, for example, letter "a". Display a private exhibition that has not finished yet and has at least one final mode artwork. Buy a new day pass for that exhibition by means of the link below the title.</p> <p>Assert that information regarding the total price to pay is shown (and that it is the real price. The real price is the sum of the price of the exhibition plus the price of the museum, to which you must add the taxes corresponding to the current VAT of the system)</p> <p>Also, information regarding the name of the exhibition and the dates when it can be possible to visit it must be displayed.</p> |
| Expected Outcome | All the information detailed above should be shown. |
| Notes | <p>URL to list the search results (in case necessary): exhibition/visitor/listResults.do?keyword=</p> <p>URL to display an exhibition (in case necessary): exhibition/visitor/display.do?exhibitionId=</p> <p>URL to buy a day pass for an exhibition (in case necessary): dayPass/visitor/create.do?exhibitionId=</p> |

| Test #013 | |
|-------------------------|---|
| Description | <p>You must log in as a Visitor, display the exhibition's search engine and search for a keyword which may have several results, for example, letter "a". Display a private exhibition that has not finished yet and has at least one final mode artwork. Buy a new day pass for that exhibition by means of the link below the title.</p> <p>Enter the following information in the forthcoming form:</p> <ul style="list-style-type: none"> - Visit date for the date pass: "" - Credit card's holder name: "" - Credit card's brand name: "" - Credit card number: "" - Credit card CVV: "" - Credit card month: "" - Credit card year: "" <p>Now try to save the DayPass. Once the errors are shown, click on the "Cancel" button.</p> |
| Expected Outcome | You should be redirected to the display of the associated exhibition. |
| Notes | <p>URL to list the search results (in case necessary): exhibition/visitor/listResults.do?keyword=</p> <p>URL to display an exhibition (in case necessary): exhibition/visitor/display.do?exhibitionId=</p> <p>URL to buy a day pass for an exhibition (in case necessary): dayPass/visitor/create.do?exhibitionId=</p> |

| Test #014 | |
|--------------------|--|
| Description | <p>You must log in as a Visitor, display the exhibition's search engine and search for a keyword which may have several results, for example, letter "a". Display a private exhibition that has not finished yet and has at least one final mode artwork. Buy a new day pass for that exhibition by means of the link below the title.</p> <p>Enter the following information in the forthcoming form:</p> <ul style="list-style-type: none"> - Visit date for the date pass: "" - Credit card's holder name: "" - Credit card's brand name: "" - Credit card number: "" - Credit card CVV: "" - Credit card month: "" - Credit card year: "" <p>Now try to save the DayPass.</p> |
| Expected | <p>You should get the following error messages:</p> <p>Enter the following information in the forthcoming form:</p> <ul style="list-style-type: none"> - Visit date for the date pass: Cannot be null - Credit card's holder name: Must not be blank - Credit card's brand name: Must not be blank - Credit card number: Does not match pattern - Credit card CVV: Cannot be null - Credit card month: Cannot be null - Credit card year: Cannot be null |
| Outcome | |
| Notes | <p>URL to list the search results (in case necessary): exhibition/visitor/listResults.do?keyword=</p> <p>URL to display an exhibition (in case necessary): exhibition/visitor/display.do?exhibitionId=</p> <p>URL to buy a day pass for an exhibition (in case necessary): dayPass/visitor/create.do?exhibitionId=</p> |

| Test #015 | |
|--------------------|--|
| Description | <p>You must log in as a Visitor, display the exhibition's search engine and search for a keyword which may have several results, for example, letter "a". Display a private exhibition that has not finished yet and has at least one final mode artwork. Buy a new day pass for that exhibition by means of the link below the title.</p> <p>Enter the following information in the forthcoming form:</p> <ul style="list-style-type: none"> - Visit date for the date pass: (Select a future date within the range of the exhibition, no hours are required) - Credit card's holder name: John - Credit card's brand name: Visa - Credit card number: 1111222233334444 - Credit card CVV: 677 - Credit card month: (current month) - Credit card year: (current year) <p>Now try to save the DayPass.</p> |
| Expected | The system should accept the operation and redirect to the list of day passes of the current visitor, where a new entry regarding the recently bought day pass has appeared and matches the introduced data. |
| Outcome | |
| Notes | <p>URL to list the search results (in case necessary): exhibition/visitor/listResults.do?keyword=</p> <p>URL to display an exhibition (in case necessary): exhibition/visitor/display.do?exhibitionId=</p> <p>URL to buy a day pass for an exhibition (in case necessary): dayPass/visitor/create.do?exhibitionId=</p> |

| Test #016 | |
|--------------------|---|
| Description | <p>You must log in as a Visitor, display the exhibition's search engine and search for a keyword which may have several results, for example, letter "a". Display a private exhibition that has not finished yet and has at least one final mode artwork. Buy a new day pass for that exhibition by means of the link below the title.</p> <p>Enter the following information in the forthcoming form:</p> <ul style="list-style-type: none"> - Visit date for the date pass: (Select a past date within the range of the exhibition, no hours are required) - Credit card's holder name: John - Credit card's brand name: Visa - Credit card number: 1111222233334444 - Credit card CVV: 677 - Credit card month: 10 - Credit card year: 2020 <p>Now try to save the DayPass.</p> |
| Expected | The system should reject the operation by showing a "Could not commit this operation" error message. |
| Outcome | |
| Notes | <p>URL to list the search results (in case necessary): exhibition/visitor/listResults.do?keyword=</p> <p>URL to display an exhibition (in case necessary): exhibition/visitor/display.do?exhibitionId=</p> <p>URL to buy a day pass for an exhibition (in case necessary): dayPass/visitor/create.do?exhibitionId=</p> |

| Test #017 | |
|--------------------|---|
| Description | <p>You must log in as a Visitor, display the exhibition's search engine and search for a keyword which may have several results, for example, letter "a". Display a private exhibition that has not finished yet and has at least one final mode artwork. Buy a new day pass for that exhibition by means of the link below the title.</p> <p>Enter the following information in the forthcoming form:</p> <ul style="list-style-type: none"> - Visit date for the date pass: (Select a past date out of the range of the exhibition, no hours are required) - Credit card's holder name: John - Credit card's brand name: Visa - Credit card number: 1111222233334444 - Credit card CVV: 677 - Credit card month: 10 - Credit card year: 2020 <p>Now try to save the DayPass.</p> |
| Expected | The system should reject the operation by showing a "Could not commit this operation" error message. |
| Outcome | |
| Notes | <p>URL to list the search results (in case necessary): exhibition/visitor/listResults.do?keyword=</p> <p>URL to display an exhibition (in case necessary): exhibition/visitor/display.do?exhibitionId=</p> <p>URL to buy a day pass for an exhibition (in case necessary): dayPass/visitor/create.do?exhibitionId=</p> |

| Test #018 | |
|--------------------|---|
| Description | <p>You must log in as a Visitor, display the exhibition's search engine and search for a keyword which may have several results, for example, letter "a". Display a private exhibition that has not finished yet and has at least one final mode artwork. Buy a new day pass for that exhibition by means of the link below the title.</p> <p>Enter the following information in the forthcoming form:</p> <ul style="list-style-type: none"> - Visit date for the date pass: (Select a future date within the range of the exhibition, no hours are required) - Credit card's holder name: John - Credit card's brand name: Visa - Credit card number: 5555444433332222 - Credit card CVV: 1000 - Credit card month: 13 - Credit card year: 0 <p>Now try to save the DayPass.</p> |
| Expected | <p>The system should reject the operation by showing the following error messages:</p> <ul style="list-style-type: none"> - Credit card's holder name: Must not be blank - Credit card's brand name: Must not be blank - Credit card number: Invalid credit card number - Credit card CVV: Too large (max=999) - Credit card month: Too large (max = 12) |
| Outcome | |
| Notes | <p>URL to list the search results (in case necessary): exhibition/visitor/listResults.do?keyword=</p> <p>URL to display an exhibition (in case necessary): exhibition/visitor/display.do?exhibitionId=</p> <p>URL to buy a day pass for an exhibition (in case necessary): dayPass/visitor/create.do?exhibitionId=</p> |

| Test #019 | |
|--------------------|---|
| Description | <p>You must log in as a Visitor, display the exhibition's search engine and search for a keyword which may have several results, for example, letter "a". Display a private exhibition that has not finished yet and has at least one final mode artwork. Buy a new day pass for that exhibition by means of the link below the title.</p> <p>Enter the following information in the forthcoming form:</p> <ul style="list-style-type: none"> - Visit date for the date pass: (Select a future date within the range of the exhibition, no hours are required) - Credit card's holder name: John - Credit card's brand name: Discover - Credit card number: 1111222233334444 - Credit card CVV: 677 - Credit card month: (before current month) - Credit card year: (current year) <p>Now try to save the DayPass.</p> |
| Expected | The system should reject the operation by showing a "Could not commit this operation" error message. |
| Outcome | |
| Notes | <p>URL to list the search results (in case necessary): exhibition/visitor/listResults.do?keyword=</p> <p>URL to display an exhibition (in case necessary): exhibition/visitor/display.do?exhibitionId=</p> <p>URL to buy a day pass for an exhibition (in case necessary): dayPass/visitor/create.do?exhibitionId=</p> |

| Test #020 | |
|--------------------|---|
| Description | <p>You must log in as a Visitor, display the exhibition's search engine and search for a keyword which may have several results, for example, letter "a". Display a private exhibition that has not finished yet and has at least one final mode artwork. Buy a new day pass for that exhibition by means of the link below the title.</p> <p>Enter the following information in the forthcoming form:</p> <ul style="list-style-type: none"> - Visit date for the date pass: (Select a future date within the range of the exhibition, no hours are required) - Credit card's holder name: <code><script>alert('hacked!');</script></code> - Credit card's brand name: <code><script>alert('hacked!');</script></code> - Credit card number: 1111222233334444 - Credit card CVV: 677 - Credit card month: 10 - Credit card year: 2020 <p>Now try to save the DayPass.</p> |
| Expected | <p>The system should reject the operation by showing the following error messages:</p> <ul style="list-style-type: none"> - Credit card's holder name: Insecure HTML - Credit card's brand name: Insecure HTML |
| Outcome | |
| Notes | <p>URL to list the search results (in case necessary): exhibition/visitor/listResults.do?keyword=</p> <p>URL to display an exhibition (in case necessary): exhibition/visitor/display.do?exhibitionId=</p> <p>URL to buy a day pass for an exhibition (in case necessary): dayPass/visitor/create.do?exhibitionId=</p> |

| Test #021 | |
|--------------------|--|
| Description | <p>You must log in as a Visitor, display the exhibition's search engine and search for a keyword which may have several results, for example, letter "a". Display a private exhibition that has not finished yet and has at least one final mode artwork. Buy a new day pass for that exhibition by means of the link below the title.</p> <p>Now inspect the HTML code (Ctrl + U, if you are using Google Chrome). Look for any "hidden" information in the HTML.</p> |
| Expected | Only two hidden inputs should be found, named "id" and "version". |
| Outcome | |
| Notes | <p>URL to list the search results (in case necessary): exhibition/visitor/listResults.do?keyword=</p> <p>URL to display an exhibition (in case necessary): exhibition/visitor/display.do?exhibitionId=</p> <p>URL to buy a day pass for an exhibition (in case necessary): dayPass/visitor/create.do?exhibitionId=</p> |

| Test #022 | |
|--------------------|--|
| Description | You must log in as a Visitor and try to create a new day pass for a non-existing exhibition. In order to do so, use the provided URL with a made-up id. |
| Expected | The system rejects the operation by displaying a Panic View (IllegalArgumentException). |
| Outcome | |
| Notes | <p>URL to list the search results (in case necessary): exhibition/visitor/listResults.do?keyword=</p> <p>URL to display an exhibition (in case necessary): exhibition/visitor/display.do?exhibitionId=</p> <p>URL to buy a day pass for an exhibition (in case necessary): dayPass/visitor/create.do?exhibitionId=</p> |

| Test #023 | |
|--------------------|---|
| Description | <p>You must log in as a Visitor and try to create a new day pass for a public exhibition with some final mode artworks and that has not expired. In order to do so, use the provided URL.</p> <p>Repeat the process for the following scenarios:</p> <ul style="list-style-type: none"> - A private exhibition with final mode artworks that has already finished. - A private exhibition with only draft mode artworks that has not started yet. |
| Expected | The system rejects the operation by displaying a Panic View (IllegalArgumentException). |
| Outcome | |
| Notes | <p>URL to list the search results (in case necessary): exhibition/visitor/listResults.do?keyword=</p> <p>URL to display an exhibition (in case necessary): exhibition/visitor/display.do?exhibitionId=</p> <p>URL to buy a day pass for an exhibition (in case necessary): dayPass/visitor/create.do?exhibitionId=</p> |

| Test #024 | |
|--------------------|--|
| Description | <p>You must log in as a Visitor that has more than 5 day passes and list all of them.</p> <p>For that listing, the following information must be present and rendered properly:</p> <ul style="list-style-type: none"> - Ticker - Visit date for the day pass - Museum - Exhibition - Room - Credit card number (partially censored) - Price with taxes - VAT - Purchase moment <p>“Purchase moment” column must follow the following format: dd/MM/YYYY HH:HH or MM/dd/YYYY HH:HH (depending on the language, first is for Spanish).</p> <p>“Visit date for the day pass” column must follow the following format: dd/MM/YYYY or MM/dd/YYYY (depending on the language, first is for Spanish).</p> <p>Price does also render differently according to the language (X,XX€ for Spanish and €X.XX for English).</p> |
| Expected | All the information detailed above should be shown and rendered properly. |
| Outcome | |
| Notes | |

| Test #025 | |
|--------------------|--|
| Description | <p>You must log in as a Visitor that has more than 5 day passes and list all of them.</p> <p>For that listing, you must check that the following pagination links appear and click on all of them: “First”, “Prev”, “Next”, “Last”</p> |
| Expected | The system shows every link and all of them work as expected. |
| Outcome | |
| Notes | |

| Test #026 | |
|--------------------|---|
| Description | <p>You must log in as a Director that has some museums, rooms and exhibitions and list all her or his exhibitions.</p> <p>For that listing, you must check that the following links work: “Museum”, “Exhibition”.</p> |
| Expected | All links work as expected, without any panic or wrong view being shown. |
| Outcome | |
| Notes | |

| Test #027 | |
|-------------|--|
| Description | You must repeat all tests of this UC 043, but now using the system in Spanish. |
| Expected | All messages should be shown in Spanish. |
| Outcome | |
| Notes | |

Use case 044 Visitor buy a day pass for a museum

Description

A Visitor is interested in a particular museum, so she or he decides to buy a day pass to visit it. In order to do so, she or he logs in and search for that museum, takes a glimpse and buys a day pass introducing her or his details. As soon as the purchase has finished, she or he will be redirected to a list with all her or his bought deposes.

Access

“Main Menu > Login” – to access the system.

“Main Menu > Museums list” – to retrieve the list of the museums of the system.

“Main Menu > My day passes” – to list all the day passes the current visitor has bought.

In list of display of a Museum, the link “Buy a day pass for this museum” appears if you are logged as a visitor.

Tests

| Test #001 | |
|--------------------|--|
| Description | <p>You must log in as a Visitor and list the museums in the system.</p> <p>Assert that the listing shows the following information:</p> <ul style="list-style-type: none">- Unique ID.- Name.- Slogan.- Price.- Address.- Email |
| Expected | All the information detailed above should be shown. |
| Outcome | |
| Notes | URL to list the museums (in case necessary): museum/visitor/list.do |

| Test #002 | |
|--------------------|---|
| Description | <p>You must log in as a Visitor and list the museums in the system.</p> <p>Click on all the pagination links that are shown: “First”, “Prev”, “Next”, and “Last”.</p> |
| Expected | No exception or error should be thrown. |
| Outcome | |
| Notes | URL to list the museums (in case necessary): museum/visitor/list.do |

| Test #003 | |
|-------------|--|
| Description | You must log in as a Visitor and list the museums in the system. |
| | Click all the links shown in the table. That is, the ones under “name” |
| Expected | No exception or error should be thrown. |
| Outcome | |
| Notes | URL to list the museums (in case necessary): museum/visitor/list.do |

| Test #004 | |
|-------------|---|
| Description | You must log in as a Visitor and list the museums in the system. |
| | Check that the prices follow the pattern €X.XX in English and X,XX€ in Spanish. |
| Expected | The information should follow the indicated patterns. |
| Outcome | |
| Notes | URL to list the museums (in case necessary): museum/visitor/list.do |

| Test #005 | |
|-------------------------|--|
| Description | <p>You must log in as a Visitor and list the museums in the system. Display a museum with Exhibitions and Reviews.</p> <p>Assert that the “About the Museum” section shows the following information:</p> <ul style="list-style-type: none"> - Unique ID. - Price. - Average Rating. - Address. - Email. - Phone Number. - Director responsible of this Museum. <p>An optional banner may be shown on the top of the information. Assert that it is an image and not a link.</p> <p>Assert that its title, slogan and an optional store (represented with a bag icon, not mandatory) are shown above the “About the Museum” section.</p> <p>Assert that the Current and Future Exhibitions’ listing shows the following information:</p> <ul style="list-style-type: none"> - Title. - Description. - Price. - Year. - Dates. <p>Furthermore, assert that no past exhibitions appear in it.</p> <p>Assert that the visitors’ reviews listing shows the following information:</p> <ul style="list-style-type: none"> - Visitor. - Opinion. - Score. - Publication Date |
| Expected Outcome | All the information detailed above should be shown. |
| Notes | <p>URL to list the museums (in case necessary): museum/visitor/list.do</p> <p>URL to display a museum (in case necessary): museum/visitor/display.do?museumId=</p> |

| Test #006 | |
|--------------------|---|
| Description | <p>You must log in as a Visitor and list the museums in the system. Display a museum with Exhibitions and Reviews.</p> <p>Click on all the pagination links that are shown: “First”, “Prev”, “Next”, and “Last”. Check it for the exhibitions and reviews listings.</p> |
| Expected | No exception or error should be thrown. |
| Outcome | |
| Notes | <p>URL to list the museums (in case necessary): museum/visitor/list.do</p> <p>URL to display a museum (in case necessary): museum/visitor/display.do?museumId=</p> |

| Test #007 | |
|--------------------|---|
| Description | <p>You must log in as a Visitor and list the museums in the system. Display a museum with Exhibitions and Reviews.</p> <p>Click all the links shown. That is:</p> <ul style="list-style-type: none"> - In the “About the Museum” click on the Address and director links. - In the exhibitions listing, click on the title. |
| Expected | No exception or error should be thrown. |
| Outcome | |
| Notes | <p>URL to list the museums (in case necessary): museum/visitor/list.do</p> <p>URL to display a museum (in case necessary): museum/visitor/display.do?museumId=</p> |

| Test #008 | |
|--------------------|---|
| Description | <p>You must log in as a Visitor and list the museums in the system. Display a museum with Exhibitions and Reviews.</p> <p>Check that the dates follow the pattern MM/dd/yyyy hh:mm in English and dd/MM/yyyy hh:mm in Spanish.</p> <p>Check that the prices follow the pattern €X.XX in English and X,XX€ in Spanish.</p> |
| Expected | The information should follow the indicated patterns. |
| Outcome | |
| Notes | <p>URL to list the museums (in case necessary): museum/visitor/list.do</p> <p>URL to display a museum (in case necessary): museum/visitor/display.do?museumId=</p> |

| Test #009 | |
|--------------------|--|
| Description | <p>You must log in as a Visitor and list the museums in the system. Display an arbitrary museum.</p> <p>Check that a link to buy a day pass is shown.</p> |
| Expected | A link to buy a day pass is shown to the visitor and it is fully functional (that is, when you click on it redirects to a form where to buy a day pass for that museum). |
| Outcome | |
| Notes | <p>URL to list the museums (in case necessary): museum/visitor/list.do</p> <p>URL to display a museum (in case necessary): museum/visitor/display.do?museumId=</p> |

| Test #010 | |
|--------------------|--|
| Description | <p>You must log in as a Visitor and list the museums in the system. Display an arbitrary museum and click on the link to buy a new day pass.</p> <p>Assert that the form contains the following information:</p> <ul style="list-style-type: none"> - Visit date for the date pass - Credit card's holder name - Credit card's brand name - Credit card number - Credit card CVV - Credit card month - Credit card year <p>Two buttons, one named after "Buy" and another one "Cancel".</p> |
| Expected | All the information detailed above should be shown. |
| Outcome | |
| Notes | <p>URL to list the museums (in case necessary): museum/visitor/list.do</p> <p>URL to display a museum (in case necessary): museum/visitor/display.do?museumId=</p> <p>URL to buy a day pass for a museum (in case necessary): dayPass/visitor/create.do?museumId=</p> |

| Test #011 | |
|-------------------------|---|
| Description | <p>You must log in as a Visitor and list the museums in the system. Display an arbitrary museum and click on the link to buy a new day pass.</p> <p>Assert that information regarding the total price to pay is shown (and that it is the real price. The real price is the price of the museum plus the taxes corresponding to the current VAT of the system)</p> <p>Also, information regarding the name of the museum and must be displayed.</p> |
| Expected Outcome | All the information detailed above should be shown. |
| Notes | <p>URL to list the museums (in case necessary): museum/visitor/list.do</p> <p>URL to display a museum (in case necessary): museum/visitor/display.do?museumId=</p> <p>URL to buy a day pass for a museum (in case necessary): dayPass/visitor/create.do?museumId=</p> |

| Test #012 | |
|-------------------------|---|
| Description | <p>You must log in as a Visitor and list the museums in the system. Display an arbitrary museum and click on the link to buy a new day pass.</p> <p>Enter the following information in the forthcoming form:</p> <ul style="list-style-type: none"> - Visit date for the date pass: "" - Credit card's holder name: "" - Credit card's brand name: "" - Credit card number: "" - Credit card CVV: "" - Credit card month: "" - Credit card year: "" <p>Now try to save the DayPass. Once the errors are shown, click on the "Cancel" button.</p> |
| Expected Outcome | You should be redirected to the display of the associated museum. |
| Notes | <p>URL to list the museums (in case necessary): museum/visitor/list.do</p> <p>URL to display a museum (in case necessary): museum/visitor/display.do?museumId=</p> <p>URL to buy a day pass for a museum (in case necessary): dayPass/visitor/create.do?museumId=</p> |

| Test #013 | |
|-------------|--|
| Description | <p>You must log in as a Visitor and list the museums in the system. Display an arbitrary museum and click on the link to buy a new day pass.</p> <p>Enter the following information in the forthcoming form:</p> <ul style="list-style-type: none"> - Visit date for the date pass: "" - Credit card's holder name: "" - Credit card's brand name: "" - Credit card number: "" - Credit card CVV: "" - Credit card month: "" - Credit card year: "" <p>Now try to save the DayPass.</p> |
| Expected | <p>You should get the following error messages:</p> <p>Enter the following information in the forthcoming form:</p> <ul style="list-style-type: none"> - Visit date for the date pass: Cannot be null - Credit card's holder name: Must not be blank - Credit card's brand name: Must not be blank - Credit card number: Does not match pattern - Credit card CVV: Cannot be null - Credit card month: Cannot be null - Credit card year: Cannot be null |
| Outcome | |
| Notes | <p>URL to list the museums (in case necessary): museum/visitor/list.do</p> <p>URL to display a museum (in case necessary): museum/visitor/display.do?museumId=</p> <p>URL to buy a day pass for a museum (in case necessary): dayPass/visitor/create.do?museumId=</p> |

| Test #014 | |
|--------------------|--|
| Description | <p>You must log in as a Visitor and list the museums in the system. Display an arbitrary museum and click on the link to buy a new day pass.</p> <p>Enter the following information in the forthcoming form:</p> <ul style="list-style-type: none"> - Visit date for the date pass: (Select a future date) - Credit card's holder name: John - Credit card's brand name: Visa - Credit card number: 1111222233334444 - Credit card CVV: 677 - Credit card month: (current month) - Credit card year: (current year) <p>Now try to save the DayPass.</p> |
| Expected | The system should accept the operation and redirect to the list of day passes of the current visitor, where a new entry regarding the recently bought day pass has appeared and matches the introduced data. |
| Outcome | |
| Notes | <p>URL to list the museums (in case necessary): museum/visitor/list.do</p> <p>URL to display a museum (in case necessary): museum/visitor/display.do?museumId=</p> <p>URL to buy a day pass for a museum (in case necessary): dayPass/visitor/create.do?museumId=</p> |

| Test #015 | |
|--------------------|---|
| Description | <p>You must log in as a Visitor and list the museums in the system. Display an arbitrary museum and click on the link to buy a new day pass.</p> <p>Enter the following information in the forthcoming form:</p> <ul style="list-style-type: none"> - Visit date for the date pass: 10/10/2010 - Credit card's holder name: John - Credit card's brand name: Visa - Credit card number: 1111222233334444 - Credit card CVV: 677 - Credit card month: 10 - Credit card year: 2020 <p>Now try to save the DayPass.</p> |
| Expected | The system should reject the operation by showing a "Could not commit this operation" error message. |
| Outcome | |
| Notes | <p>URL to list the museums (in case necessary): museum/visitor/list.do</p> <p>URL to display a museum (in case necessary): museum/visitor/display.do?museumId=</p> <p>URL to buy a day pass for a museum (in case necessary): dayPass/visitor/create.do?museumId=</p> |

| Test #016 | |
|--------------------|---|
| Description | <p>You must log in as a Visitor and list the museums in the system. Display an arbitrary museum and click on the link to buy a new day pass.</p> <p>Enter the following information in the forthcoming form:</p> <ul style="list-style-type: none"> - Visit date for the date pass: (Select a future date) - Credit card's holder name: John - Credit card's brand name: Visa - Credit card number: 5555444433332222 - Credit card CVV: 1000 - Credit card month: 13 - Credit card year: 0 <p>Now try to save the DayPass.</p> |
| Expected | <p>The system should reject the operation by showing the following error messages:</p> <ul style="list-style-type: none"> - Credit card's holder name: Must not be blank - Credit card's brand name: Must not be blank - Credit card number: Invalid credit card number - Credit card CVV: Too large (max=999) - Credit card month: Too large (max = 12) |
| Outcome | |
| Notes | <p>URL to list the museums (in case necessary): museum/visitor/list.do</p> <p>URL to display a museum (in case necessary): museum/visitor/display.do?museumId=</p> <p>URL to buy a day pass for a museum (in case necessary): dayPass/visitor/create.do?museumId=</p> |

| Test #017 | |
|--------------------|---|
| Description | <p>You must log in as a Visitor and list the museums in the system. Display an arbitrary museum and click on the link to buy a new day pass.</p> <p>Enter the following information in the forthcoming form:</p> <ul style="list-style-type: none"> - Visit date for the date pass: (Select a future date) - Credit card's holder name: John - Credit card's brand name: Discover - Credit card number: 1111222233334444 - Credit card CVV: 677 - Credit card month: (before current month) - Credit card year: (current year) <p>Now try to save the DayPass.</p> |
| Expected | The system should reject the operation by showing a "Could not commit this operation" error message. |
| Outcome | |
| Notes | <p>URL to list the museums (in case necessary): museum/visitor/list.do</p> <p>URL to display a museum (in case necessary): museum/visitor/display.do?museumId=</p> <p>URL to buy a day pass for a museum (in case necessary): dayPass/visitor/create.do?museumId=</p> |

| Test #018 | |
|--------------------|---|
| Description | <p>You must log in as a Visitor and list the museums in the system. Display an arbitrary museum and click on the link to buy a new day pass.</p> <p>Enter the following information in the forthcoming form:</p> <ul style="list-style-type: none"> - Visit date for the date pass: (Select a future date) - Credit card's holder name: <code><script>alert('hacked!');</script></code> - Credit card's brand name: <code><script>alert('hacked!');</script></code> - Credit card number: 1111222233334444 - Credit card CVV: 677 - Credit card month: 10 - Credit card year: 2020 <p>Now try to save the DayPass.</p> |
| Expected | <p>The system should reject the operation by showing the following error messages:</p> <ul style="list-style-type: none"> - Credit card's holder name: Insecure HTML - Credit card's brand name: Insecure HTML |
| Outcome | |
| Notes | <p>URL to list the museums (in case necessary): museum/visitor/list.do</p> <p>URL to display a museum (in case necessary): museum/visitor/display.do?museumId=</p> <p>URL to buy a day pass for a museum (in case necessary): dayPass/visitor/create.do?museumId=</p> |

| Test #019 | |
|--------------------|--|
| Description | <p>You must log in as a Visitor and list the museums in the system. Display an arbitrary museum and click on the link to buy a new day pass.</p> <p>Now inspect the HTML code (Ctrl + U, if you are using Google Chrome). Look for any "hidden" information in the HTML.</p> |
| Expected | Only two hidden inputs should be found, named "id" and "version". |
| Outcome | |
| Notes | <p>URL to list the museums (in case necessary): museum/visitor/list.do</p> <p>URL to display a museum (in case necessary): museum/visitor/display.do?museumId=</p> <p>URL to buy a day pass for an exhibition (in case necessary): dayPass/visitor/create.do?museumId=</p> |

| Test #020 | |
|--------------------|--|
| Description | You must log in as a Visitor and try to create a new day pass for a non-existing museum. In order to do so, use the provided URL with a made-up id. |
| Expected | The system rejects the operation by displaying a Panic View (IllegalArgumentException). |
| Outcome | |
| Notes | <p>URL to list the museums (in case necessary): museum/visitor/list.do</p> <p>URL to display a museum (in case necessary): museum/visitor/display.do?museumId=</p> <p>URL to buy a day pass for an exhibition (in case necessary): dayPass/visitor/create.do?museumId=</p> |

| Test #021 | |
|--------------------|--|
| Description | You must repeat all tests of this UC 044, but now using the system in Spanish. |
| Expected | All messages should be shown in Spanish. |
| Outcome | |
| Notes | |

Use case 045 Visitor delete Group

Description

A Visitor wants to delete a Group she owns. In order do so, the user logs in to the system as a Visitor, lists her created groups, displays one of them and deletes it.

Access

In the menu, “Login” – to access the system.

In the menu, “Created Groups” – to access the list of groups she has created.

In list of groups, click on the name of a group – to display it.

In the display of a Group, “Remove this group”, if possible – to delete it.

Tests

| Test #001 | |
|--------------------|--|
| Description | You must log in as a Visitor and list your created groups. Assert that the listing shows the following information: <ul style="list-style-type: none">- Name.- Creation moment.- Meeting date.- Group type.- Creator.- Museum. |
| Expected | All the information detailed above should be shown. |
| Outcome | |
| Notes | URL to list created groups (in case necessary): group/visitor/listCreated.do |

| Test #002 | |
|--------------------|--|
| Description | You must log in as a Visitor and list your created groups. Click on all the pagination links that are shown: “First”, “Prev”, “Next”, and “Last”. |
| Expected | No exception or error should be thrown. |
| Outcome | |
| Notes | URL to list created groups (in case necessary): group/visitor/listCreated.do |

| Test #003 | |
|--------------------|--|
| Description | <p>You must log in as a Visitor and list your created groups.</p> <p>Click on all the links shown. That is:</p> <ul style="list-style-type: none"> - Name. - Museum. |
| Expected | No exception or error should be thrown. |
| Outcome | |
| Notes | URL to list created groups (in case necessary): group/visitor/listCreated.do |

| Test #004 | |
|--------------------|---|
| Description | <p>You must log in as a Visitor and list your created groups.</p> <p>Check that the dates follow the pattern MM/dd/yyyy hh:mm in English and dd/MM/yyyy hh:mm in Spanish.</p> |
| Expected | The information should follow the indicated patterns. |
| Outcome | |
| Notes | URL to list created groups (in case necessary): group/visitor/listCreated.do |

| Test #005 | |
|--------------------|---|
| Description | <p>You must log in as a Visitor, list your created groups and display one that you can remove. You can only remove a group if you are the only member in that group and meeting date is in future.</p> <p>Assert that the details of the group show the following information:</p> <ul style="list-style-type: none"> - Creator. - Museum. - Creation moment. - Meeting date. - Participants. - Privacy. <p>Assert that the announcements' listing shows the following information:</p> <ul style="list-style-type: none"> - Date. - Title. - Content. <p>Assert that the participants' listing shows the following information:</p> <ul style="list-style-type: none"> - Name. <p>Assert that the comments' listing shows the following information:</p> <ul style="list-style-type: none"> - Name. - Content. |
| Expected | All the information described should be shown. |
| Outcome | |
| Notes | URL to display a group (in case necessary): group/visitor/display.do?groupId= |

| Test #006 | |
|-------------------------|--|
| Description | <p>You must log in as a Visitor, list your created groups and display one that you can remove. You can only remove a group if you are the only member in that group and meeting date is in future.</p> <p>Click on all the pagination links that are shown: “First”, “Prev”, “Next”, and “Last”. Check it for the announcements, participants and comments listings.</p> |
| Expected Outcome | No exception or error should be thrown. |
| Notes | URL to display a group (in case necessary): group/visitor/display.do?groupId= |

| Test #007 | |
|-------------------------|--|
| Description | <p>You must log in as a Visitor, list your created groups and display one that you can remove. You can only remove a group if you are the only member in that group and meeting date is in future.</p> <p>Click all the links shown. That is:</p> <ul style="list-style-type: none"> - In the “Details” click on the creator and museum links. - In the participants listing, click on the name. - In the comments listing, click on the “Show replies” link. |
| Expected Outcome | No exception or error should be thrown. |
| Notes | URL to display a group (in case necessary): group/visitor/display.do?groupId= |

| Test #008 | |
|-------------------------|---|
| Description | <p>You must log in as a Visitor, list your created groups and display one that you can remove. You can only remove a group if you are the only member in that group and meeting date is in future.</p> <p>Check that the dates follow the pattern MM/dd/yyyy hh:mm in English and dd/MM/yyyy hh:mm in Spanish.</p> <p>Check that the announcements and comments photographs are shown as images and not as links.</p> |
| Expected Outcome | The information should follow the indicated patterns. |
| Notes | URL to display a group (in case necessary): group/visitor/display.do?groupId= |

| Test #009 | |
|--------------------|---|
| Description | <p>You must log in as a Visitor.</p> <p>Now you need to check in your database the ID of a group that the principal owns but has more than one participant.</p> <p>Now try to delete that Group, using its ID as the value of the “groupid” parameter in the URL: “group/visitor/delete.do?groupid=”</p> |
| Expected | A Panic view should be shown. |
| Outcome | |
| Notes | <p>URL to delete a Group (in case necessary): group/visitor/delete.do?groupid=</p> |

| Test #010 | |
|--------------------|--|
| Description | <p>You must log in as a Visitor.</p> <p>Now you need to check in your database the ID of a group that the principal owns, but its meeting date is in the past.</p> <p>Now try to delete that Group, using its ID as the value of the “groupid” parameter in the URL: “group/visitor/delete.do?groupid=”</p> |
| Expected | A Panic view should be shown. |
| Outcome | |
| Notes | <p>URL to delete a Group (in case necessary): group/visitor/delete.do?groupid=</p> |

| Test #011 | |
|--------------------|--|
| Description | <p>You must log in as a Visitor.</p> <p>Now you need to check in your database the ID of a group that the principal doesn’t own.</p> <p>Now try to delete that Group, using its ID as the value of the “groupid” parameter in the URL: “group/visitor/delete.do?groupid=”</p> |
| Expected | A Panic view should be shown. |
| Outcome | |
| Notes | <p>URL to delete a Group (in case necessary): group/visitor/delete.do?groupid=</p> |

| Test #012 | |
|--------------------|--|
| Description | <p>You must log in as a Visitor.</p> <p>Now try to delete a made-up Group, using a made up ID as the value of the "groupId" parameter in the URL: "group/visitor/delete.do?groupId="</p> |
| Expected | A Panic view should be shown. |
| Outcome | |
| Notes | <p>URL to delete a Group (in case necessary): group/visitor/delete.do?groupId=</p> |

| Test #0013 | |
|--------------------|--|
| Description | <p>You must log in as a Visitor, list your created groups and display one that you can remove. You can only remove a group if you are the only member in that group and meeting date is in future.</p> <p>Now click on the "Remove this group" link.</p> |
| Expected | The Group should be successfully deleted, and you should be redirected to the list of your created groups. |
| Outcome | |
| Notes | <p>URL to delete a Group (in case necessary): group/visitor/delete.do?groupId=</p> |

| Test #014 | |
|--------------------|--|
| Description | You must repeat all tests of this UC 045, but now using the system in Spanish. |
| Expected | All messages should be shown in Spanish. |
| Outcome | |
| Notes | |

Use case 046 Visitor join a Group

Description

A Visitor wants to join an open Group. In order do so, the user logs in to the system as a Visitor, lists the open groups of the system, displays one of them and joins it.

Access

In the menu, “Login” – to access the system.

In the menu, “Groups list” – to access the list of open groups of the system.

In list of groups, click on the name of a group – to display it.

In the display of a Group, “Join this Group”, if possible – to join it.

Tests

| Test #001 | |
|-------------|--|
| Description | You must log in as a Visitor and list the open groups of the system. Assert that the listing shows the following information: <ul style="list-style-type: none">- Name.- Creation moment.- Meeting date.- Group type.- Creator.- Museum. |
| Expected | All the information detailed above should be shown. |
| Outcome | |
| Notes | URL to list open groups (in case necessary): group/visitor/list.do |

| Test #002 | |
|-------------|--|
| Description | You must log in as a Visitor and list the open groups of the system. Click on all the pagination links that are shown: “First”, “Prev”, “Next”, and “Last”. |
| Expected | No exception or error should be thrown. |
| Outcome | |
| Notes | URL to list open groups (in case necessary): group/visitor/list.do |

| Test #003 | |
|--------------------|--|
| Description | <p>You must log in as a Visitor and list the open groups of the system.</p> <p>Click on all the links shown. That is:</p> <ul style="list-style-type: none"> - Name. - Museum. |
| Expected | No exception or error should be thrown. |
| Outcome | |
| Notes | <p>URL to list open groups (in case necessary):</p> <p>group/visitor/list.do</p> |

| Test #004 | |
|--------------------|---|
| Description | <p>You must log in as a Visitor and list the open groups of the system.</p> <p>Check that the dates follow the pattern MM/dd/yyyy hh:mm in English and dd/MM/yyyy hh:mm in Spanish.</p> |
| Expected | The information should follow the indicated patterns. |
| Outcome | |
| Notes | <p>URL to list open groups (in case necessary):</p> <p>group/visitor/list.do</p> |

| Test #005 | |
|--------------------|---|
| Description | <p>You must log in as a Visitor.</p> <p>Now you need to check in your database the ID of a group that is closed and for which the principal isn't a member.</p> <p>Now try to join that Group, using its ID as the value of the "groupId" parameter in the URL:</p> <p>"group/visitor/join.do?groupId="</p> |
| Expected | A Panic view should be shown. |
| Outcome | |
| Notes | <p>URL to join a Group (in case necessary):</p> <p>group/visitor/join.do?groupId=</p> |

| Test #006 | |
|--------------------|--|
| Description | <p>You must log in as a Visitor.</p> <p>Now you need to check in your database the ID of an open group whose meeting date has passed and for which the principal isn't a member.</p> <p>Now try to join that Group, using its ID as the value of the "groupId" parameter in the URL:</p> <p>"group/visitor/join.do?groupId="</p> |
| Expected | A Panic view should be shown. |
| Outcome | |
| Notes | <p>URL to join a Group (in case necessary):</p> <p>group/visitor/join.do?groupId=</p> |

| Test #007 | |
|--------------------|---|
| Description | <p>You must log in as a Visitor.</p> <p>Now you need to check in your database the ID of an open group whose number of participants is full and for which the principal isn't a member.</p> <p>Now try to join that Group, using its ID as the value of the "groupid" parameter in the URL: "group/visitor/join.do?groupid="</p> |
| Expected | A Panic view should be shown. |
| Outcome | |
| Notes | URL to join a Group (in case necessary): group/visitor/join.do?groupid= |

| Test #008 | |
|--------------------|---|
| Description | <p>You must log in as a Visitor.</p> <p>Now you need to check in your database the ID of an open group for which the principal is already a member.</p> <p>Now try to join that Group, using its ID as the value of the "groupid" parameter in the URL: "group/visitor/join.do?groupid="</p> |
| Expected | A Panic view should be shown. |
| Outcome | |
| Notes | URL to join a Group (in case necessary): group/visitor/join.do?groupid= |

| Test #009 | |
|--------------------|---|
| Description | <p>You must log in as a Visitor.</p> <p>Now try to join a made-up Group, using a made up ID as the value of the "groupid" parameter in the URL: "group/visitor/join.do?groupid="</p> |
| Expected | A Panic view should be shown. |
| Outcome | |
| Notes | URL to join a Group (in case necessary): group/visitor/join.do?groupid= |

| Test #010 | |
|--------------------|--|
| Description | <p>You must log in as a Visitor, list your created groups and display one that you can join. You can only join a group if it is an open group, the meeting date hasn't passed, and the number of members is below its maximum.</p> <p>Now click on the "Join this Group" link.</p> |
| Expected | You should successfully join the group and be redirected to the display of that same group. |
| Outcome | |
| Notes | URL to join a Group (in case necessary): group/visitor/join.do?groupId= |

| Test #011 | |
|--------------------|--|
| Description | You must repeat all tests of this UC 046, but now using the system in Spanish. |
| Expected | All messages should be shown in Spanish. |
| Outcome | |
| Notes | |

Use case 047 Visitor quits a Group

Description

A Visitor wants to quit a group she has joined. In order to do so, the user logs in to the system as a Visitor, lists her joined groups, displays one of them and quits it.

Access

In the menu, “Login” – to access the system.

In the menu, “Joined Groups” – to access the list of groups you have joined.

In list of groups, click on the name of a group – to display it.

In the display of a Group, “Quit this group”, if possible – to quit it.

Tests

| Test #001 | |
|--------------------|---|
| Description | You must log in as a Visitor and list your joined groups. Assert that the listing shows the following information: <ul style="list-style-type: none">- Name.- Creation moment.- Meeting date.- Group type.- Creator.- Museum. |
| Expected | All the information detailed above should be shown. |
| Outcome | |
| Notes | URL to list your joined groups (in case necessary): group/visitor/listJoined.do |

| Test #002 | |
|--------------------|---|
| Description | You must log in as a Visitor and list your joined groups. Click on all the pagination links that are shown: “First”, “Prev”, “Next”, and “Last”. |
| Expected | No exception or error should be thrown. |
| Outcome | |
| Notes | URL to list your joined groups (in case necessary): group/visitor/listJoined.do |

| Test #003 | |
|--------------------|---|
| Description | <p>You must log in as a Visitor and list your joined groups.</p> <p>Click on all the links shown. That is:</p> <ul style="list-style-type: none"> - Name. - Museum. |
| Expected | No exception or error should be thrown. |
| Outcome | |
| Notes | <p>URL to list your joined groups (in case necessary):</p> <p>group/visitor/listJoined.do</p> |

| Test #004 | |
|--------------------|--|
| Description | <p>You must log in as a Visitor and list your joined groups.</p> <p>Check that the dates follow the pattern MM/dd/yyyy hh:mm in English and dd/MM/yyyy hh:mm in Spanish.</p> |
| Expected | The information should follow the indicated patterns. |
| Outcome | |
| Notes | <p>URL to list your joined groups (in case necessary):</p> <p>group/visitor/listJoined.do</p> |

| Test #005 | |
|--------------------|--|
| Description | <p>You must log in as a Visitor.</p> <p>Now you need to check in your database the ID of a group that you have created. Now try to quit that Group, using its ID as the value of the “groupId” parameter in the URL:</p> <p>“group/visitor/quit.do?groupId=”</p> |
| Expected | A Panic view should be shown. |
| Outcome | |
| Notes | <p>URL to quit a Group (in case necessary):</p> <p>group/visitor/quit.do?groupId=</p> |

| Test #006 | |
|--------------------|---|
| Description | <p>You must log in as a Visitor.</p> <p>Now you need to check in your database the ID of a group that you are not member of. Now try to quit that Group, using its ID as the value of the “groupId” parameter in the URL:</p> <p>“group/visitor/quit.do?groupId=”</p> |
| Expected | A Panic view should be shown. |
| Outcome | |
| Notes | <p>URL to quit a Group (in case necessary):</p> <p>group/visitor/quit.do?groupId=</p> |

| Test #007 | |
|--------------------|---|
| Description | <p>You must log in as a Visitor.</p> <p>Now you need to check in your database the ID of a group that you are member of, whose meeting date is in the past.</p> <p>Now try to quit that Group, using its ID as the value of the “groupId” parameter in the URL: “group/visitor/quit.do?groupId=”</p> |
| Expected | A Panic view should be shown. |
| Outcome | |
| Notes | URL to quit a Group (in case necessary): group/visitor/quit.do?groupId= |

| Test #008 | |
|--------------------|---|
| Description | <p>You must log in as a Visitor.</p> <p>Now try to quit a made-up Group, using its ID as the value of the “groupId” parameter in the URL: “group/visitor/quit.do?groupId=”</p> |
| Expected | A Panic view should be shown. |
| Outcome | |
| Notes | URL to quit a Group (in case necessary): group/visitor/quit.do?groupId= |

| Test #009 | |
|--------------------|--|
| Description | <p>You must log in as a Visitor, list your joined groups and display one that you can quit. You can only join a group if its meeting date hasn’t passed.</p> <p>Now click on the “Quit this group” link.</p> |
| Expected | You should successfully quit the group and be redirected to the list of groups. |
| Outcome | |
| Notes | URL to quit a Group (in case necessary): group/visitor/quit.do?groupId= |

| Test #010 | |
|--------------------|--|
| Description | You must repeat all tests of this UC 047, but now using the system in Spanish. |
| Expected | All messages should be shown in Spanish. |
| Outcome | |
| Notes | |

Use case 048 Visitor create an invitation

Description

A Visitor wants to invite another visitor to one of his/her groups. In order to do so, she/he must log in as a visitor, then list his/her created groups, display one of them, and then create an invitation.

Access

“Main Menu > Login” - to access to the system

“Main Menu > Created Groups” - to list the groups created by the visitor

“Group > Invite another visitor” - to create an invitation

Tests

| Test #001 | |
|--------------------|--|
| Description | You must log in to the system as visitor1/visitor1. Then, click on “Created Groups”. Look for one that is closed, and the meeting date hasn’t passed yet (Open Meeting to El Prado, for example). Display it. At the bottom of the participants’ list, click on “Invite another visitor” and fill the form with the following information: <ul style="list-style-type: none">- Message: Test- Guest: Surfín Brown Then click on Save. |
| Expected | The system must redirect you to the display view of the group. Log in as visitor2/visitor2 in the incognito window and click on “Invitations” in order to check that the invitation has been created successfully. |
| Outcome | |
| Notes | URL to list created groups (in case necessary): group/visitor/listCreated.do |

| Test #002 | |
|--------------------|--|
| Description | You must log in to the system as visitor1/visitor1. Then, click on “Created Groups”. Look for one that is closed, and the meeting date hasn’t passed yet (Open Meeting to El Prado, for example). Display it. At the bottom of the participants’ list, click on “Invite another visitor” and fill the form with the following information: <ul style="list-style-type: none">- Message:- Guest: Azabache Ford Then click on Save. |
| Expected | The system must redirect you to the display view of the group. Log in as visitor3/visitor3 in the incognito window and click on “Invitations” in order to check that the invitation has been created successfully. |
| Outcome | |
| Notes | URL to list created groups (in case necessary): group/visitor/listCreated.do |

| Test #003 | |
|--------------------|---|
| Description | <p>You must log in to the system as visitor1/visitor1. Then, click on “Created Groups”. Look for one that is closed, and the meeting date hasn’t passed yet (Open Meeting to El Prado, for example). Display it. At the bottom of the participants’ list, click on “Invite another visitor” and fill the form with the following information:</p> <ul style="list-style-type: none"> - Message: - Guest: <p>Then click on Save.</p> |
| Expected | <p>The system must redirect you to the editing form with the following validation errors:</p> <ul style="list-style-type: none"> - Guest: Cannot be null |
| Outcome | |
| Notes | <p>URL to list created groups (in case necessary): group/visitor/listCreated.do</p> |

| Test #004 | |
|--------------------|--|
| Description | <p>You must log in to the system as visitor1/visitor1. Then, click on “Created Groups”. Look for one that is closed, and the meeting date hasn’t passed yet (Open Meeting to El Prado, for example). Display it. At the bottom of the participants’ list, click on “Invite another visitor” and then click on “Cancel”</p> |
| Expected | <p>The system must redirect you to the display view of the group.</p> |
| Outcome | |
| Notes | <p>URL to list created groups (in case necessary): group/visitor/listCreated.do</p> |

| Test #005 | |
|--------------------|---|
| Description | <p>You must log in to the system as visitor1/visitor1. Then, click on “Created Groups”. Look for one that is closed, and the meeting date hasn’t passed yet (Open Meeting to El Prado, for example). Display it. At the bottom of the participants’ list, click on “Invite another visitor”. Look at the URL. Change the value of groupId for “1” and then enter the URL.</p> |
| Expected | <p>You should get a panic view with the following message: IllegalArgumentException</p> |
| Outcome | |
| Notes | <p>URL to list created groups (in case necessary): group/visitor/listCreated.do</p> |

| Test #006 | |
|-------------------------|---|
| Description | You must log in to the system as visitor1/visitor1. Then, click on “Created Groups”. Look for one that is closed, and the meeting date hasn’t passed yet (Open Meeting to El Prado, for example). Display it. At the bottom of the participants’ list, click on “Invite another visitor”. Look at the URL. Find a group created by another user and copy the id of that group and paste it on the value of groupId of the URL of the form. Enter the URL. |
| Expected Outcome | You should get a panic view with the following message: IllegalArgumentException |
| Notes | URL to list created groups (in case necessary): group/visitor/listCreated.do |

| Test #007 | |
|-------------------------|--|
| Description | You must log in to the system as visitor1/visitor1. Then, click on “Created Groups”. Look for one that is closed, and the meeting date hasn’t passed yet (Open Meeting to El Prado, for example). Display it. At the bottom of the participants’ list, click on “Invite another visitor”. Look at the URL. Find an open group by the same visitor, copy its id and paste it in the value of groupId of the URL of the form. Enter the URL. |
| Expected Outcome | You should get a panic view with the following message: IllegalArgumentException |
| Notes | URL to list created groups (in case necessary): group/visitor/listCreated.do |

| Test #008 | |
|-------------------------|--|
| Description | <p>You must log in to the system as visitor1/visitor1. Then, click on “Created Groups”. Look for one that is closed, and the meeting date hasn’t passed yet (Open Meeting to El Prado, for example). Display it. At the bottom of the participants’ list, click on “Invite another visitor” and fill the form with the following information:</p> <ul style="list-style-type: none"> - Message: <script>alert(‘Test’);</script> - Guest: Beelén Lucky <p>Then click on Save.</p> |
| Expected Outcome | The system must redirect you to the editing form with the following validation errors: <ul style="list-style-type: none"> - Guest: Insecure HTML |
| Notes | URL to list created groups (in case necessary): group/visitor/listCreated.do |

| Test #009 | |
|-------------------------|---|
| Description | Repeat the entire UC-048 but now with the language in Spanish. |
| Expected Outcome | Make sure that everything is translated except for the messages created by users. |
| Notes | URL to list created groups (in case necessary): group/visitor/listCreated.do |

Use case 049 Visitor reject an invitation

Description

A Visitor wants to reject an invitation created by another visitor. In order to do so, she/he must log in as a visitor, then list his/her invitations, and then delete it.

Access

“Main Menu > Login” - to access to the system

“Main Menu > Invitations” - to list the invitations of the visitor.

Tests

| Test #001 | |
|--------------------|--|
| Description | You must log in as visitor4/visitor4. Click on “Invitations” and check that there is a Pending invitation (for example: Open Meeting to el Prado: Wanna come to el Prado with me? by Tricia Sundberg). Display it by clicking on “Show”. |
| Expected | Make sure that the display view contains the following information: Invitation details (Host, Message, Sent Moment, Status), Group Details (Name, Description, Meeting Date), and, just in case that the status is Pending, it contains “Reject” and “Accept” buttons. |
| Outcome | |
| Notes | URL to list invitations (in case necessary): invitation/visitor/list.do |

| Test #002 | |
|--------------------|--|
| Description | You must log in as visitor4/visitor4. Click on “Invitations” and check that there is a Pending invitation (for example: Open Meeting to el Prado: Wanna come to el Prado with me? by Tricia Sundberg). Display it by clicking on “Show”. Check the Sent Moment and Meeting Date. |
| Expected | Make sure that the Sent Moment and Meeting date follow the pattern MM/dd/yyyy hh:mm in English and dd/MM/yyyy hh:mm in Spanish. |
| Outcome | |
| Notes | URL to list invitations (in case necessary): invitation/visitor/list.do |

| Test #003 | |
|--------------------|---|
| Description | You must log in as visitor4/visitor4. Click on “Invitations” and check that there is a Pending invitation (for example: Open Meeting to el Prado: Wanna come to el Prado with me? by Tricia Sundberg). Display it by clicking on “Show”. Click on “Reject”. |
| Expected | The system must redirect you to the list of invitations. The status of the invitation now should be flagged as “Rejected” and if you display it, you shouldn’t see the buttons of Accept or Reject. |
| Outcome | |
| Notes | URL to list invitations (in case necessary): invitation/visitor/list.do |

| Test #004 | |
|--------------------|--|
| Description | You must log in as visitor4/visitor4. Click on “Invitations” and check that there is a Pending invitation (for example: Open Meeting to el Prado: Wanna come to el Prado with me? by Tricia Sundberg). Display it by clicking on “Show”. Inspect the page and look for the form tag in the html document. In the action property, change the value of invitationId for “1” and press enter. Then, click on “Reject”. |
| Expected | You should get a panic view with the following message: IllegalArgumentException |
| Outcome | |
| Notes | URL to list invitations (in case necessary): invitation/visitor/list.do |

| Test #005 | |
|--------------------|---|
| Description | You must log in as visitor4/visitor4. Click on “Invitations”. |
| Expected | Check that the table contains: The Host, the Group, a Message, the Sent Moment, and Status. |
| Outcome | |
| Notes | URL to list invitations (in case necessary): invitation/visitor/list.do |

| Test #006 | |
|--------------------|---|
| Description | You must log in as visitor4/visitor4. Click on “Invitations”. Check that there’s at least 6 invitations in the list. Click on the pagination links. |
| Expected | The system should show another set of invitations correctly. |
| Outcome | |
| Notes | URL to list invitations (in case necessary): invitation/visitor/list.do |

| Test #007 | |
|--------------------|--|
| Description | You must log in as visitor4/visitor4. Click on “Invitations”. Check the Sent Moment. |
| Expected | Make sure that the pattern for the sent moment is MM/dd/yyyy hh:mm in English and dd/MM/yyyy hh:mm in Spanish. |
| Outcome | |
| Notes | URL to list invitations (in case necessary): invitation/visitor/list.do |

| Test #008 | |
|--------------------|---|
| Description | Repeat the entire UC-049 but now with the language in Spanish. |
| Expected | Make sure that all the messages are translated into Spanish except for the ones created by users. |
| Outcome | |
| Notes | URL to list invitations (in case necessary): invitation/visitor/list.do |

Use case 050 Visitor accept an invitation

Description

A Visitor wants to accept an invitation created by another visitor. In order to do so, she/he must log in as a visitor, then list his/her invitations, and then delete it.

Access

“Main Menu > Login” - to access to the system

“Main Menu > Invitations” - to list the invitations of the visitor.

Tests

| Test #001 | |
|--------------------|---|
| Description | You must log in as visitor4/visitor4. Click on “Invitations” and check that there is a Pending invitation (for example: Open Meeting to el Prado: Wanna come to el Prado with me? by Tricia Sundberg). Display it by clicking on “Show”. Click on “Accept”. |
| Expected | The system must redirect you to the display view of the group, showing all the information about it. If you click on “Joined Groups”, the new group should be there. |
| Outcome | |
| Notes | URL to list invitations (in case necessary): invitation/visitor/list.do |

| Test #002 | |
|--------------------|--|
| Description | You must log in as visitor4/visitor4. Click on “Invitations” and check that there is a Pending invitation (for example: Open Meeting to el Prado: Wanna come to el Prado with me? by Tricia Sundberg). Display it by clicking on “Show”. Inspect the page and look for the form tag in the html document. In the action property, change the value of invitationId for “1” and press enter. Then, click on “Accept”. |
| Expected | You should get a panic view with the following message: IllegalArgumentException |
| Outcome | |
| Notes | URL to list invitations (in case necessary): invitation/visitor/list.do |

| Test #003 | |
|--------------------|---|
| Description | Repeat the entire UC-050 but now with the language in Spanish. |
| Expected | Check that everything should be translated into Spanish except for the messages created by users. |
| Outcome | |
| Notes | URL to list invitations (in case necessary): invitation/visitor/list.do |

Use case 051 Visitor edit my profile

Description

A visitor wants to edit his/her own profile. In order to do so, she/he must log in as a visitor, display his/her profile, and then edit it.

Access

“Main Menu > Login” – to authenticate in the system

“Main Menu > My Profile” – to display the profile of the visitor

“My Profile > Edit my profile” - to edit the profile of the visitor

Tests

| Test #001 | |
|--------------------|--|
| Description | You must log in as visitor1/visitor1. Click on “My Profile” on the Main Menu. |
| Expected | Check that the display view of the visitor contains all the personal information about him/her, that is name, surnames, email, phone number, address and gender. Also, if you are displaying your own profile, there should be a “Edit my profile” link. |
| Outcome | |
| Notes | URL to display my profile (In case necessary): visitor/visitor/display.do |

| Test #002 | |
|--------------------|---|
| Description | You must log in as visitor1/visitor1. Click on “My Profile” on the Main Menu and then click on “Edit my Profile”. Fill the form with the following information: <ul style="list-style-type: none">- Name: Test- Surnames: Tests- Email: test@gmail.com- Phone number: +34651980800- Address: Av. Testing- Gender: Female Then click on Save. |
| Expected | As soon as you get the editing form, all the inputs should be filled with the previous information. Once you fill the form with the new information and click on save, the system must redirect you to the display view with the new information updated. |
| Outcome | |
| Notes | URL to display my profile (In case necessary): visitor/visitor/display.do |

| Test #003 | |
|--------------------|---|
| Description | <p>You must log in as visitor1/visitor1. Click on “My Profile” on the Main Menu and then click on “Edit my Profile”. Fill the form with the following information:</p> <ul style="list-style-type: none"> - Name: - Surnames: - Email: - Phone number: - Address: - Gender: ---- <p>Then click on Save.</p> |
| Expected | <p>The system must redirect you to the editing form with the following validation errors:</p> <ul style="list-style-type: none"> - Name: Must not be blank - Surnames: Must not be blank - Email: Must not be blank - Phone number: Does not match the pattern, Must not be blank |
| Outcome | |
| Notes | <p>URL to display my profile (In case necessary): visitor/visitor/display.do</p> |

| Test #004 | |
|--------------------|--|
| Description | <p>You must log in as visitor1/visitor1. Click on “My Profile” on the Main Menu and then click on “Edit my Profile”. Fill the form with the following information:</p> <ul style="list-style-type: none"> - Name: Test - Surnames: Tests - Email: ABCD - Phone number: ABCD - Address: - Gender: ---- <p>Then click on Save.</p> |
| Expected | <p>The system must redirect you to the editing form with the following validation errors:</p> <ul style="list-style-type: none"> - Email: Invalid email - Phone number: Does not match the pattern |
| Outcome | |
| Notes | <p>URL to display my profile (In case necessary): visitor/visitor/display.do</p> |

| Test #005 | |
|--------------------|---|
| Description | <p>You must log in as visitor1/visitor1. Click on “My Profile” on the Main Menu and then click on “Edit my Profile”. Fill the form with the following information:</p> <ul style="list-style-type: none"> - Name: <script>alert('Test');</script> - Surnames: <script>alert('Test');</script> - Email: <script>alert('Test');</script> - Phone number: <script>alert('Test');</script> - Address: <script>alert('Test');</script> - Gender: ---- <p>Then click on Save.</p> |
| Expected | <p>The system must redirect you to the editing form with the following validation errors:</p> <ul style="list-style-type: none"> - Name: Insecure HTML - Surnames: Insecure HTML - Email: Invalid email - Phone number: Does not match the pattern - Address: Insecure HTML |
| Outcome | |
| Notes | <p>URL to display my profile (In case necessary): visitor/visitor/display.do</p> |

| Test #006 | |
|--------------------|---|
| Description | <p>You must log in as visitor1/visitor1. Click on “My Profile” on the Main Menu and then click on “Edit my Profile”. Fill the form with the following information:</p> <ul style="list-style-type: none"> - Name: Test - Surnames: Tests - Email: test@gmail.com - Phone number: +34651980800 - Address: - Gender: Other <p>Now, click on Inspect. Look for the form in the HTML document and find the form. Then, in the select of the gender property, change the value of “Other” (type “AQUAGENDER” instead of “OTHER”). Then press enter.</p> <p>Then click on Save.</p> |
| Expected | <p>The system must redirect you to the editing form with the following validation errors:</p> <ul style="list-style-type: none"> - Gender: Does not match the pattern |
| Outcome | |
| Notes | <p>URL to display my profile (In case necessary): visitor/visitor/display.do</p> |

| Test #007 | |
|--------------------|--|
| Description | You must log in as visitor1/visitor1. Click on “My Profile” on the Main Menu and then click on “Edit my Profile” and then click on Cancel. |
| Expected | The system must redirect you to the display of the profile of the visitor logged. |
| Outcome | |
| Notes | URL to display my profile (In case necessary): visitor/visitor/display.do |

| Test #008 | |
|--------------------|---|
| Description | Repeat the entire UC-051 but now with the language in Spanish. |
| Expected | Check that everything should be translated into Spanish except for the messages created by users. |
| Outcome | |
| Notes | URL to display my profile (In case necessary): visitor/visitor/display.do |

Use case 052 Display director

Description

An arbitrary user (authenticated or not) wants to have some more details about a director of a museum she or he heard about. In order to do so, she or he list the directors in the system and selects the desired one to obtain a view with its details.

Access

“Main Menu > Login” – to access the system. (optional)

“Main Menu > Directors” – to retrieve the whole lists of directors in the system.

In the director listing, click on the full name – to display it.

Tests

| Test #001 | |
|--------------------|--|
| Description | List the directors in the system as an unauthenticated user. Assert that the listing shows the following information: <ul style="list-style-type: none">- Full name.- Email.- Phone Number.- Address (optional). Repeat the test for every role in our system (administrator, critic, director, guide, sponsor and visitor). Of course, you must log in first while performing any of these checks. |
| Expected | All the information detailed above should be shown and optional attributes are rendered correctly. |
| Outcome | |
| Notes | |

| Test #002 | |
|--------------------|--|
| Description | List the directors in the system as an unauthenticated user. Click on all the pagination links that are shown: “First”, “Prev”, “Next”, and “Last”. |
| Expected | No exception or error should be thrown. |
| Outcome | |
| Notes | |

| Test #003 | |
|--------------------|---|
| Description | <p>List the directors in the system as an unauthenticated user.</p> <p>Click that the links to access directors' profiles (the ones under the "Full name" column) work as expected.</p> |
| Expected | No exception or error should be thrown. |
| Outcome | |
| Notes | |

| Test #004 | |
|--------------------|---|
| Description | <p>List the directors in the system as an unauthenticated user. Display a director that manages more than 5 museums (i.e. Pili Beaton)</p> <p>Assert that the upper section shows the following information:</p> <ul style="list-style-type: none"> - The name and surnames of the director - Email. - Phone Number. - Address. - Gender. <p>Assert that the museum listing shows the following information:</p> <ul style="list-style-type: none"> - Unique ID. - Name. - Slogan. - Price. - Address - Email. |
| Expected | All the information detailed above should be shown. |
| Outcome | |
| Notes | <p>URL to display a director (in case necessary):</p> <p>director/display.do?directorId=</p> |

| Test #005 | |
|--------------------|---|
| Description | <p>List the directors in the system as an unauthenticated user. Display a director that manages more than 5 museums (i.e. Pili Beaton).</p> <p>Click on all the pagination links that are shown: "First", "Prev", "Next", and "Last".</p> |
| Expected | No exception or error should be thrown. |
| Outcome | |
| Notes | <p>URL to display a director (in case necessary):</p> <p>director/display.do?directorId=</p> |

| Test #006 | |
|--------------------|--|
| Description | List the directors in the system as an unauthenticated user. Display a director that manages more than 5 museums (i.e. Pili Beaton). Click on one of the museums she or he manages. |
| Expected | No exception or error should be thrown, and the museum is correctly displayed and matches the one we clicked in the listing. |
| Outcome | |
| Notes | URL to display a director (in case necessary): director/display.do?directorId= |

| Test #007 | |
|--------------------|---|
| Description | List the directors in the system as an unauthenticated user. Display a director that manages more than 5 museums (i.e. Pili Beaton). Check that the prices follow the pattern €X.XX in English and X,XX€ in Spanish. |
| Expected | The information should follow the indicated patterns. |
| Outcome | |
| Notes | URL to display a director (in case necessary): director/display.do?directorId= |

| Test #008 | |
|--------------------|--|
| Description | Repeat the entire UC-052 but now with the language in Spanish. |
| Expected | Check that everything should be translated into Spanish. |
| Outcome | |
| Notes | |

Use case 053 Guide create artwork

Description

A Guide wants to add an artwork to an exhibition she or he leads. In order to do so, she or he logs in and displays the exhibition where the artwork is going to be added by means of displaying its associated museum first. Once there, she or he clicks on “Create a new artwork for this exhibition” and proceeds by fulfilling the form with the data.

Access

“Main Menu > Login” – to access the system.

“Main Menu > My Museums” – to see the list of the museums a guide works for.

In the museums listing, click on the name – to display the museum.

In the display of a museum, click on the title of an exhibition – to display it.

In the exhibition’s display, “Create a new artwork for this exhibition” appears if the current actor is a guide and he or she leads that exhibition.

Tests

Test #001

Description

You must log in as a Guide that leads some exhibitions. Then, display one of the museums that guide works for using “My Museums” listing. Select one of the led exhibitions and display it in order to be able to see the link for creating a new artwork.

Assert that the “General Information” section shows the following information:

- “From” and “to” dates.
- Museum.
- Exhibition.
- Price.
- Ticker.
- Websites of Interest.
- Category.

Assert that the “Description” section is shown.

Assert that the artworks’ listing shows the following information:

- Title.
- Photograph.
- Creator’s name.
- Year.
- Mode.

An additional column with the options “Edit” and “Delete” in case the artwork is a draft.

| | |
|-----------------|---|
| | <p>A link to add a new artwork.</p> <p>Assert that the critiques' listing shows the following information:</p> <ul style="list-style-type: none"> - Critic. - Title. - Score. <p>Assert that the guides' listing shows the following information:</p> <ul style="list-style-type: none"> - Name. - Surnames. - Email. |
| Expected | All the information detailed above should be shown. |
| Outcome | |
| Notes | <p>URL to display an exhibition (in case necessary): exhibition/guide/display.do?exhibitionId=</p> |

| Test #002 | |
|--------------------|--|
| Description | <p>You must log in as a Guide that leads some exhibitions. Then, display one of the museums that guide works for using "My Museums" listing. Select one of the exhibitions and display it.</p> <p>Click on all the pagination links that are shown: "First", "Prev", "Next", and "Last". Check it for the artworks, critiques and guides listings.</p> |
| Expected | No exception or error should be thrown. |
| Outcome | |
| Notes | <p>URL to display an exhibition (in case necessary): exhibition/guide/display.do?exhibitionId=</p> <p>In order to see those pagination links, you must choose proper exhibitions (that is, exhibitions with more than five elements to overflow the listing).</p> |

| Test #003 | |
|--------------------|---|
| Description | <p>You must log in as a Guide that leads some exhibitions. Then, display one of the museums that guide works for using "My Museums" listing. Select one of the led exhibitions and display it in order to be able to see the link for creating a new artwork.</p> <p>Click all the links shown. That is:</p> <ul style="list-style-type: none"> - In the "General Information" click on the museum and category links. - In the artworks listing, click on the title and the link to create a new one. - In the critiques listing, click on the title. |
| Expected | No exception or error should be thrown. |
| Outcome | |
| Notes | <p>URL to display an exhibition (in case necessary): exhibition/guide/display.do?exhibitionId=</p> |

| Test #004 | |
|-------------------------|---|
| Description | <p>You must log in as a Guide that leads some exhibitions. Then, display one of the museums that guide works for using “My Museums” listing. Select one of the exhibitions and display it.</p> <p>Check that the dates follow the pattern MM/dd/yyyy hh:mm in English and dd/MM/yyyy hh:mm in Spanish.</p> <p>Check that the prices follow the pattern €X.XX in English and X,XX€ in Spanish.</p> <p>Check that the artwork photographs are shown as images and not as links.</p> |
| Expected Outcome | The information should follow the indicated patterns. |
| Notes | <p>URL to display an exhibition (in case necessary): exhibition/guide/display.do?exhibitionId=</p> |

| Test #005 | |
|-------------------------|--|
| Description | <p>You must log in as a Guide that leads some exhibitions. Then, display one of the museums that guide works for using “My Museums” listing. Select one of the led exhibitions and display it in order to be able to see the link for creating a new artwork.</p> <p>Click on that link and assert that the forthcoming form shows the following information:</p> <ul style="list-style-type: none"> - Title. - Photograph. - Creator’s name - Remark - Year - Save in final mode? - Is a highlight? <p>Two buttons, one “Save” and a “Cancel” one.</p> |
| Expected Outcome | All the information detailed above should be shown. |
| Notes | <p>URL to display an exhibition (in case necessary): exhibition/guide/display.do?exhibitionId=</p> <p>URL to create an artwork (in case necessary): artwork/guide/create.do?exhibitionId=</p> |

| Test #006 | |
|--------------------|---|
| Description | <p>You must log in as a Guide that leads some exhibitions. Then, display one of the museums that guide works for using “My Museums” listing. Select one of the led exhibitions and display it in order to be able to see the link for creating a new artwork.</p> <p>Click on that link and enter the following information in the forthcoming form:</p> <ul style="list-style-type: none"> - Title: "" - Photograph: "" - Creator’s name: "" - Remark: "" - Year: "" - Save in final mode? No - Is a highlight? No <p>Now try to save the Artwork. Once the errors are shown, click on the “Cancel” button.</p> |
| Expected | You should be redirected to the display of the exhibition you were writing an Artwork for. |
| Outcome | |
| Notes | <p>URL to display an exhibition (in case necessary): exhibition/guide/display.do?exhibitionId=</p> <p>URL to create an artwork (in case necessary): artwork/guide/create.do?exhibitionId=</p> |

| Test #007 | |
|--------------------|--|
| Description | <p>You must log in as a Guide that leads some exhibitions. Then, display one of the museums that guide works for using “My Museums” listing. Select one of the led exhibitions and display it in order to be able to see the link for creating a new artwork.</p> <p>Click on that link and enter the following information in the forthcoming form:</p> <ul style="list-style-type: none"> - Title: "" - Photograph: "" - Creator’s name: "" - Remark: "" - Year: "" - Save in final mode? No - Is a highlight? No <p>Now try to save the Artwork.</p> |
| Expected | You should get a “Must not be blank” error in the title, photograph and remark fields. |
| Outcome | |
| Notes | <p>URL to display an exhibition (in case necessary): exhibition/guide/display.do?exhibitionId=</p> <p>URL to create an artwork (in case necessary): artwork/guide/create.do?exhibitionId=</p> |

| Test #008 | |
|--------------------|---|
| Description | <p>You must log in as a Guide that leads some exhibitions. Then, display one of the museums that guide works for using “My Museums” listing. Select one of the led exhibitions and display it in order to be able to see the link for creating a new artwork.</p> <p>Click on that link and enter the following information in the forthcoming form:</p> <ul style="list-style-type: none"> - Title: Test - Photograph: invalidURL - Creator’s name: TestName - Remark: test - Year: abc - Save in final mode? Yes - Is a highlight? Yes <p>Now try to save the Artwork.</p> |
| Expected | <p>You should get the following error messages:</p> <ul style="list-style-type: none"> - Photograph: Invalid URL - Year: Invalid amount |
| Outcome | |
| Notes | <p>URL to display an exhibition (in case necessary): exhibition/guide/display.do?exhibitionId=</p> <p>URL to create an artwork (in case necessary): artwork/guide/create.do?exhibitionId=</p> |

| Test #009 | |
|--------------------|--|
| Description | <p>You must log in as a Guide that leads some exhibitions. Then, display one of the museums that guide works for using “My Museums” listing. Select one of the led exhibitions and display it in order to be able to see the link for creating a new artwork.</p> <p>Click on that link and enter the following information in the forthcoming form:</p> <ul style="list-style-type: none"> - Title: TitleTest - Photograph: http://www.appletiser.es - Creator’s name: TestName - Remark: Test - Year: 2020 - Save in final mode? Yes - Is a highlight? Yes <p>Now try to save the Artwork.</p> |
| Expected | You should get the following error message below the form: “Cannot commit this operation” |
| Outcome | |
| Notes | <p>URL to display an exhibition (in case necessary): exhibition/guide/display.do?exhibitionId=</p> <p>URL to create an artwork (in case necessary): artwork/guide/create.do?exhibitionId=</p> |

| Test #010 | |
|--------------------|---|
| Description | <p>You must log in as a Guide that leads some exhibitions. Then, display one of the museums that guide works for using “My Museums” listing. Select one of the led exhibitions and display it in order to be able to see the link for creating a new artwork.</p> <p>Click on that link and enter the following information in the forthcoming form:</p> <ul style="list-style-type: none"> - Title: <code><script>alert('hacked!')</script></code> - Photograph: <code><script>alert('hacked!')</script></code> - Creator’s name: <code><script>alert('hacked!')</script></code> - Remark: <code><script>alert('hacked!')</script></code> - Year: 2000 - Save in final mode? No - Is a highlight? Yes <p>Now try to save the Artwork.</p> |
| Expected | <p>You should get the following error messages:</p> <ul style="list-style-type: none"> - Title: Insecure HTML - Photograph: Invalid URL - Creator’s name: Insecure HTML - Remark: Insecure HTML |
| Outcome | |
| Notes | <p>URL to display an exhibition (in case necessary): exhibition/guide/display.do?exhibitionId=</p> <p>URL to create an artwork (in case necessary): artwork/guide/create.do?exhibitionId=</p> |

| Test #011 | |
|--------------------|---|
| Description | <p>You must log in as a Guide that leads some exhibitions. Then, display one of the museums that guide works for using “My Museums” listing. Select one of the led exhibitions and display it in order to be able to see the link for creating a new artwork.</p> <p>Now inspect the HTML code (Ctrl + U, if you are using Google Chrome). Look for any “hidden” information in the HTML.</p> |
| Expected | There should be only three hidden inputs named “exhibition”, “id” and “version” respectively. |
| Outcome | |
| Notes | <p>URL to display an exhibition (in case necessary): exhibition/guide/display.do?exhibitionId=</p> <p>URL to create an artwork (in case necessary): artwork/guide/create.do?exhibitionId=</p> |

| Test #012 | |
|--------------------|--|
| Description | You must log in as a Guide. Now go to the database and look for the ID of an exhibition that she or he does not lead, but still belongs to one of the museums he or she works for. Use that ID as the “exhibitionId” parameter in the provided URL to try to create a new artwork. |
| Expected | A panic view should be shown (IllegalArgumentException). |
| Outcome | |
| Notes | <p>URL to display an exhibition (in case necessary): exhibition/guide/display.do?exhibitionId=</p> <p>URL to create an artwork (in case necessary): artwork/guide/create.do?exhibitionId=</p> |

| Test #013 | |
|--------------------|---|
| Description | <p>You must log in as a Guide.</p> <p>Now use a made-up ID as the “exhibitionId” parameter in the provided URL.</p> |
| Expected | A panic view should be shown (IllegalArgumentException). |
| Outcome | |
| Notes | <p>URL to display an exhibition (in case necessary): exhibition/guide/display.do?exhibitionId=</p> <p>URL to create an artwork (in case necessary): artwork/guide/create.do?exhibitionId=</p> |

| Test #014 | |
|--------------------|---|
| Description | <p>You must log in as a Guide that leads some exhibitions with artworks. Then, display one of the museums that guide works for using “My Museums” listing. Select one of the led exhibitions and display it. Click on one of the artworks in order to display it.</p> <p>Assert that the following information is present:</p> <ul style="list-style-type: none"> - Title - Photograph (that may not be a link, but a real image) - Creator’s name or “unknown author” in case no one was provided. - Remark - Year or “unknown year” in case that data is missing. - Two messages that inform the user that the artwork is highlighted and that it is in draft mode. The first one only applies for highlights and the second one must only be rendered in presence of guides that are able to display such draft artworks (that is, the ones who lead the exhibition) |
| Expected | No exception or error should be thrown. |
| Outcome | |
| Notes | URL to display an Artwork (in case necessary): artwork/guide/display.do?artworkId= |

| Test #015 | |
|--------------------|---|
| Description | <p>You must log in as a Guide that leads some exhibitions with artworks. Then, display one of the museums that guide works for using “My Museums” listing. Select one of the led exhibitions and display it. Click on one of the artworks in order to display it.</p> <p>Assert that a message indicating the exhibition the artworks belongs to must appear. Furthermore, a fully functional link to display it must be besides that message</p> |
| Expected | The information should appear, and the link must be functional. |
| Outcome | |
| Notes | <p>URL to display an Artwork (in case necessary): artwork/guide/display.do?artworkId=</p> |

| Test #016 | |
|--------------------|---|
| Description | You must log in as a Guide. Now, try to display a non-existing artwork by means of the provided URL (just make the id up) |
| Expected | The system must reject the operation and a panic view must be shown (IllegalArgumentException) |
| Outcome | |
| Notes | <p>URL to display an Artwork (in case necessary): artwork/guide/display.do?artworkId=</p> |

| Test #017 | |
|--------------------|--|
| Description | You must repeat all tests of this UC 053, but now using the system in Spanish. |
| Expected | All messages should be shown in Spanish. |
| Outcome | |
| Notes | |

Use case 054 Guide edit artwork

Description

A Guide wants to edit an artwork of an exhibition she or he leads. In order to do so, she or he logs in and displays the exhibition where the artwork is by means of displaying its associated museum first. Once there, she or he clicks on “edit” and proceeds by updating the data in the form.

Access

“Main Menu > Login” – to access the system.

“Main Menu > My Museums” – to see the list of the museums a guide works for.

In the museums listing, click on the name – to display the museum.

In the display of a museum, click on the title of an exhibition – to display it.

In the exhibition’s display, “Edit” link appears if the artwork is in draft mode and the current actor is a guide leading that exhibition.

Tests

| Test #001 | |
|--------------------|---|
| Description | <p>You must log in as a Guide that leads some exhibitions with draft mode artworks. Then, display one of the museums that guide works for using “My Museums” listing. Select one of the led exhibitions and display it in order to be able to see the link for editing an artwork.</p> <p>Click on that link and assert that the forthcoming form shows the following information:</p> <ul style="list-style-type: none">- Title.- Photograph.- Creator’s name- Remark- Year- Save in final mode?- Is a highlight? <p>Two buttons, one “Save” and a “Cancel” one.</p> |
| Expected | All of the information detailed above should be shown. |
| Outcome | |
| Notes | <p>URL to display an exhibition (in case necessary): exhibition/guide/display.do?exhibitionId=</p> <p>URL to edit an artwork (in case necessary): artwork/guide/edit.do?artworkId=</p> |

| Test #002 | |
|-------------------------|--|
| Description | <p>You must log in as a Guide that leads some exhibitions with draft mode artworks. Then, display one of the museums that guide works for using “My Museums” listing. Select one of the led exhibitions and display it in order to be able to see the link for editing an artwork.</p> <p>Click on that link and enter the following information in the forthcoming form:</p> <ul style="list-style-type: none"> - Title: "" - Photograph: "" - Creator’s name: "" - Remark: "" - Year: "" - Save in final mode? No - Is a highlight? No <p>Now try to save the Artwork. Once the errors are shown, click on the “Cancel” button.</p> |
| Expected Outcome | You should be redirected to the display of the associated exhibition of the Artwork. |
| Notes | <p>URL to display an exhibition (in case necessary): exhibition/guide/display.do?exhibitionId=</p> <p>URL to edit an artwork (in case necessary): artwork/guide/edit.do?artworkId=</p> |

| Test #003 | |
|-------------------------|---|
| Description | <p>You must log in as a Guide that leads some exhibitions with draft mode artworks. Then, display one of the museums that guide works for using “My Museums” listing. Select one of the led exhibitions and display it in order to be able to see the link for editing an artwork.</p> <p>Click on that link and enter the following information in the forthcoming form:</p> <ul style="list-style-type: none"> - Title: "" - Photograph: "" - Creator’s name: "" - Remark: "" - Year: "" - Save in final mode? No - Is a highlight? No <p>Now try to save the Artwork.</p> |
| Expected Outcome | You should get a “Must not be blank” error in the title, photograph and remark fields. |
| Outcome | |
| Notes | <p>URL to display an exhibition (in case necessary): exhibition/guide/display.do?exhibitionId=</p> <p>URL to edit an artwork (in case necessary): artwork/guide/edit.do?artworkId=</p> |

| Test #004 | |
|--------------------|--|
| Description | <p>You must log in as a Guide that leads some exhibitions with draft mode artworks. Then, display one of the museums that guide works for using “My Museums” listing. Select one of the led exhibitions and display it in order to be able to see the link for editing an artwork.</p> <p>Click on that link and enter the following information in the forthcoming form:</p> <ul style="list-style-type: none"> - Title: Test - Photograph: invalidURL - Creator’s name: TestName - Remark: test - Year: abc - Save in final mode? Yes - Is a highlight? Yes <p>Now try to save the Artwork.</p> |
| Expected | <p>You should get the following error messages:</p> <ul style="list-style-type: none"> - Photograph: Invalid URL - Year: Invalid amount |
| Outcome | |
| Notes | <p>URL to display an exhibition (in case necessary): exhibition/guide/display.do?exhibitionId=</p> <p>URL to edit an artwork (in case necessary): artwork/guide/edit.do?artworkId=</p> |

| Test #005 | |
|--------------------|---|
| Description | <p>You must log in as a Guide that leads some exhibitions with draft mode artworks. Then, display one of the museums that guide works for using “My Museums” listing. Select one of the led exhibitions and display it in order to be able to see the link for editing an artwork.</p> <p>Click on that link and enter the following information in the forthcoming form:</p> <ul style="list-style-type: none"> - Title: TitleTest - Photograph: http://www.appletiser.es - Creator’s name: TestName - Remark: Test - Year: 2020 - Save in final mode? Yes - Is a highlight? Yes <p>Now try to save the Artwork.</p> |
| Expected | You should get the following error message below the form: “Cannot commit this operation” |
| Outcome | |
| Notes | <p>URL to display an exhibition (in case necessary): exhibition/guide/display.do?exhibitionId=</p> <p>URL to edit an artwork (in case necessary): artwork/guide/edit.do?artworkId=</p> |

| Test #006 | |
|--------------------|--|
| Description | <p>You must log in as a Guide that leads some exhibitions with draft mode artworks. Then, display one of the museums that guide works for using “My Museums” listing. Select one of the led exhibitions and display it in order to be able to see the link for editing an artwork.</p> <p>Click on that link and enter the following information in the forthcoming form:</p> <ul style="list-style-type: none"> - Title: <code><script>alert('hacked!')</script></code> - Photograph: <code><script>alert('hacked!')</script></code> - Creator’s name: <code><script>alert('hacked!')</script></code> - Remark: <code><script>alert('hacked!')</script></code> - Year: 2000 - Save in final mode? No - Is a highlight? Yes <p>Now try to save the Artwork.</p> |
| Expected | <p>You should get the following error messages:</p> <ul style="list-style-type: none"> - Title: Insecure HTML - Photograph: Invalid URL - Creator’s name: Insecure HTML - Remark: Insecure HTML |
| Outcome | |
| Notes | <p>URL to display an exhibition (in case necessary): exhibition/guide/display.do?exhibitionId=</p> <p>URL to edit an artwork (in case necessary): artwork/guide/edit.do?artworkId=</p> |

| Test #007 | |
|--------------------|--|
| Description | <p>You must log in as a Guide that leads some exhibitions with draft mode artworks. Then, display one of the museums that guide works for using “My Museums” listing. Select one of the led exhibitions and display it in order to be able to see the link for editing an artwork.</p> <p>Now inspect the HTML code (Ctrl + U, if you are using Google Chrome). Look for any “hidden” information in the HTML.</p> |
| Expected | <p>There should be only three hidden inputs named “exhibition”, “id” and “version” respectively.</p> |
| Outcome | |
| Notes | <p>URL to display an exhibition (in case necessary): exhibition/guide/display.do?exhibitionId=</p> <p>URL to edit an artwork (in case necessary): artwork/guide/edit.do?artworkId=</p> |

| Test #008 | |
|--------------------|--|
| Description | You must log in as a Guide. Now go to the database and look for the ID of an exhibition that she or he does not lead, but still belongs to one of the museums he or she works for. Use that ID as the “exhibitionId” parameter in the provided URL to try to edit such an artwork. |
| Expected | A panic view should be shown (IllegalArgumentException). |
| Outcome | |
| Notes | <p>URL to display an exhibition (in case necessary): exhibition/guide/display.do?exhibitionId=</p> <p>URL to edit an artwork (in case necessary): artwork/guide/edit.do?artworkId=</p> |

| Test #009 | |
|--------------------|--|
| Description | <p>You must log in as a Guide.</p> <p>Now use a made-up ID as the “exhibitionId” parameter in the provided URL.</p> |
| Expected | A panic view should be shown (IllegalArgumentException). |
| Outcome | |
| Notes | <p>URL to display an exhibition (in case necessary): exhibition/guide/display.do?exhibitionId=</p> <p>URL to edit an artwork (in case necessary): artwork/guide/edit.do?artworkId=</p> |

| Test #010 | |
|--------------------|--|
| Description | You must repeat all tests of this UC 054, but now using the system in Spanish. |
| Expected | All messages should be shown in Spanish. |
| Outcome | |
| Notes | |

Use case 055 Guide delete Artwork

Description

A Guide wants to remove an Artwork from an exhibition for which she works. In order do so, the user logs in to the system as a Guide, lists her museums, displays one of them, displays one of its exhibitions and removes an Artwork from it.

Access

In the menu, “Login” – to access the system.

In the menu, “My Museums” – to access the list of museums you work for.

In list of museums, click on the name of a museum – to display it.

In list of exhibitions, click on the title of an exhibition – to display it.

In the display of an exhibition you can remove an artwork using the “Delete” link next to it in the listing, if possible.

Tests

| Test #001 | |
|-------------------------|---|
| Description | You must log in as a Guide and list your museums. Assert that the listing shows the following information: <ul style="list-style-type: none">- Unique ID.- Name.- Slogan.- Price.- Address.- Email. |
| Expected Outcome | All of the information detailed above should be shown. |
| Notes | URL to list my museums (in case necessary): museum/guide/listWorkplaces.do |

| Test #002 | |
|-------------------------|--|
| Description | You must log in as a Guide and list your museums. Click on all of the pagination links that are shown: “First”, “Prev”, “Next”, and “Last”. |
| Expected Outcome | No exception or error should be thrown. |
| Notes | URL to list my museums (in case necessary): museum/guide/listWorkplaces.do |

| Test #003 | |
|-------------|---|
| Description | You must log in as a Guide and list your museums. |
| | Click all the links shown in the table. That is: name. |
| Expected | No exception or error should be thrown. |
| Outcome | |
| Notes | URL to list my museums (in case necessary): museum/guide/listWorkplaces.do |

| Test #004 | |
|-------------|---|
| Description | You must log in as a Guide and list your museums. |
| | Check that the prices follow the pattern €X.XX in English and X,XX€ in Spanish. |
| Expected | The information should follow the indicated patterns. |
| Outcome | |
| Notes | URL to list my museums (in case necessary): museum/guide/listWorkplaces.do |

| Test #005 | |
|-------------|---|
| Description | You must log in as a Guide and list your museums. Then, display one of them. |
| | Assert that the “About the Museum” section shows the following information: <ul style="list-style-type: none"> - Unique ID. - Price. - Average Rating. - Address. - Email. - Phone Number. - Director. |
| | Assert that the exhibitions’ listing shows the following information: <ul style="list-style-type: none"> - Title. - Description. - Price. - Dates. |
| | Assert that the reviews’ listing shows the following information: <ul style="list-style-type: none"> - Visitor. - Opinion. - Score. - Publication Date. |
| | All of the information detailed above should be shown. |
| Expected | |
| Outcome | |
| Notes | URL to display a museum (in case necessary): museum/guide/display.do?museumId= |

| Test #006 | |
|--------------------|--|
| Description | <p>You must log in as a Guide and list your museums. Then, display one of them.</p> <p>Click on all of the pagination links that are shown: “First”, “Prev”, “Next”, and “Last”.</p> <p>Check it for the exhibitions and reviews listings.</p> |
| Expected | No exception or error should be thrown. |
| Outcome | |
| Notes | <p>URL to display a museum (in case necessary):</p> <p><code>museum/guide/display.do?museumId=</code></p> |

| Test #007 | |
|--------------------|--|
| Description | <p>You must log in as a Guide and list your museums. Then, display one of them.</p> <p>Click all the links shown. That is:</p> <ul style="list-style-type: none"> - Above the “About the Museum” section, it may appear a “handbag” icon, which is also a link. - In the “About the Museum” click on the director name. - The link to the list of incidents in the museum. - In the exhibitions listing, click on the title. |
| Expected | No exception or error should be thrown. |
| Outcome | |
| Notes | <p>URL to display a museum (in case necessary):</p> <p><code>museum/guide/display.do?museumId=</code></p> |

| Test #008 | |
|--------------------|--|
| Description | <p>You must log in as a Guide and list your museums. Then, display one of them.</p> <p>Check that the dates follow the pattern MM/dd/yyyy hh:mm in English and dd/MM/yyyy hh:mm in Spanish.</p> <p>Check that the prices follow the pattern €X.XX in English and X,XX€ in Spanish.</p> |
| Expected | The information should follow the indicated patterns. |
| Outcome | |
| Notes | <p>URL to display a museum (in case necessary):</p> <p><code>museum/guide/display.do?museumId=</code></p> |

| Test #009 | |
|--------------------|---|
| Description | <p>You must log in as a Guide and list your museums. Display a museum and then display an exhibition where you work that has draft artworks.</p> <p>Assert that the “General Information” section shows the following information:</p> <ul style="list-style-type: none"> - “From” and “to” dates. - Museum. - Exhibition type. - Price. - Ticker. - Websites of Interest. - Category. <p>Assert that the “Description” section is shown.</p> <p>Assert that the artworks’ listing shows the following information:</p> <ul style="list-style-type: none"> - Title and a message indicating it is highlighted (if it is). - Photograph. - Creator’s name. - Year. - Mode. - “Edit” link, if it’s draft. - “Delete” link, if it’s draft. <p>Assert that the critiques’ listing shows the following information:</p> <ul style="list-style-type: none"> - Critic. - Title. - Score. <p>Assert that the guides’ listing shows the following information:</p> <ul style="list-style-type: none"> - Name. - Surnames. - Email. |
| Expected | All of the information described before should be shown. |
| Outcome | |
| Notes | URL to display an exhibition (in case necessary): exhibition/guide/display.do?exhibitionId= |

| Test #010 | |
|--------------------|--|
| Description | <p>You must log in as a Guide and list your museums. Display a museum and then display an exhibition where you work that has draft artworks.</p> <p>Click on all of the pagination links that are shown: “First”, “Prev”, “Next”, and “Last”.</p> <p>Check it for the artworks, critiques and guides listings.</p> |
| Expected | No exception or error should be thrown. |
| Outcome | |
| Notes | URL to display an exhibition (in case necessary): exhibition/guide/display.do?exhibitionId= |

| Test #011 | |
|-------------------------|---|
| Description | <p>You must log in as a Guide and list your museums. Display a museum and then display an exhibition where you work that has draft artworks.</p> <p>Click all the links shown. That is:</p> <ul style="list-style-type: none"> - In the sponsorship banner shown at the top of the page (if any). - In the “General Information” click on the museum and category links. - In the artworks listing, click on the title. - In the critiques listing, click on the title. |
| Expected Outcome | No exception or error should be thrown. |
| Notes | URL to display an exhibition (in case necessary): exhibition/guide/display.do?exhibitionId= |

| Test #012 | |
|-------------------------|---|
| Description | <p>You must log in as a Guide and list your museums. Display a museum and then display an exhibition where you work that has draft artworks.</p> <p>Check that the dates follow the pattern MM/dd/yyyy hh:mm in English and dd/MM/yyyy hh:mm in Spanish.</p> <p>Check that the prices follow the pattern €X.XX in English and X,XX€ in Spanish.</p> <p>Check that the artwork photographs are shown as images and not as links.</p> |
| Expected Outcome | The information should follow the indicated patterns. |
| Notes | URL to display an exhibition (in case necessary): exhibition/guide/display.do?exhibitionId= |

| Test #013 | |
|-------------------------|---|
| Description | <p>You must log in as a Guide and list your museums. Display a museum and then display an exhibition where you work that has draft artworks. Click on the link to edit a draft artwork.</p> <p>Assert that the form shows the following information:</p> <ul style="list-style-type: none"> - Title. - Photograph. - Creator’s name. - Remark. - Year. - Save in final mode? - Is a highlight? |
| Expected Outcome | All of the information detailed above should be shown. |
| Notes | URL to edit an artwork (in case necessary): artwork/guide/edit.do?artworkId= |

| Test #014 | |
|--------------------|--|
| Description | <p>You must log in as a Guide and list your museums. Display a museum and then display an exhibition where you work that has draft artworks. Click on the link to edit a draft artwork.</p> <p>Enter the following information:</p> <ul style="list-style-type: none"> - Title: "" - Photograph: "" - Creator's name: "" - Remark: "" - Year: "" - Save in final mode?: No. - Is a highlight?: No. <p>Now try to save the artwork. Once the errors are shown, click on the "Cancel" button.</p> |
| Expected | You should be redirected to the display of the exhibition you were editing an artwork for. |
| Outcome | |
| Notes | URL to edit an artwork (in case necessary): artwork/guide/edit.do?artworkId= |

| Test #015 | |
|--------------------|---|
| Description | <p>You must log in as a Guide and list your museums. Display a museum and then display an exhibition where you work that has draft artworks. Click on the link to edit a draft artwork.</p> <p>Enter the following information:</p> <ul style="list-style-type: none"> - Title: "" - Photograph: "" - Creator's name: "" - Remark: "" - Year: "" - Save in final mode?: No. - Is a highlight?: No. <p>Now try to save the artwork.</p> |
| Expected | You should get a "Must not be blank" error in the title, photograph and remark fields. |
| Outcome | |
| Notes | URL to edit an artwork (in case necessary): artwork/guide/edit.do?artworkId= |

| Test #016 | |
|-------------------------|--|
| Description | <p>You must log in as a Guide and list your museums. Display a museum and then display an exhibition where you work that has draft artworks. Click on the link to edit a draft artwork.</p> <p>Enter the following information:</p> <ul style="list-style-type: none"> - Title: "The sky and ocean" - Photograph: "https://static1.squarespace.com/static/556576fae4b096ada8cdebbd/556946d6e4b07ec484fa7578/5917a8d06a496322aaadf62f/1507172669386/Ten+Days+Sober+%28Full+Artwork%29+thumbnail+image.jpg" - Creator's name: "" - Remark: "Feels like an innocent painting but it's not." - Year: "2019.5" - Save in final mode?: No. - Is a highlight?: Yes. <p>Now try to save the artwork.</p> |
| Expected Outcome | You should get an "Invalid amount" error in the year field. |
| Notes | URL to edit an artwork (in case necessary): artwork/guide/edit.do?artworkId= |

| Test #017 | |
|-------------------------|--|
| Description | <p>You must log in as a Guide and list your museums. Display a museum and then display an exhibition where you work that has draft artworks. Click on the link to edit a draft artwork.</p> <p>Enter the following information:</p> <ul style="list-style-type: none"> - Title: "The sky and ocean" - Photograph: "https://static1.squarespace.com/static/556576fae4b096ada8cdebbd/556946d6e4b07ec484fa7578/5917a8d06a496322aaadf62f/1507172669386/Ten+Days+Sober+%28Full+Artwork%29+thumbnail+image.jpg" - Creator's name: "" - Remark: "Feels like an innocent painting but it's not." - Year: "2016" - Save in final mode?: No. - Is a highlight?: Yes. <p>Now try to save the artwork.</p> |
| Expected Outcome | You should successfully edit the artwork and be redirected to its exhibition display. |
| Notes | URL to edit an artwork (in case necessary): artwork/guide/edit.do?artworkId= |

| Test #018 | |
|--------------------|--|
| Description | <p>You must log in as a Guide and list your museums. Display a museum and then display an exhibition where you work that has draft artworks. Click on the link to edit a draft artwork.</p> <p>Enter the following information:</p> <ul style="list-style-type: none"> - Title: "<script>alert('hacked!');</script>" - Photograph: "<script>alert('hacked!');</script>" - Creator's name: "<script>alert('hacked!');</script>" - Remark: "<script>alert('hacked!');</script>" - Year: "<script>alert('hacked!');</script>" - Save in final mode?: No. - Is a highlight?: No. <p>Now try to save the Critique.</p> |
| Expected | You should get an "Insecure HTML" error in the title, creator's name and remark field. You should also get an "Invalid URL" error for the photograph and a "Invalid amount" error for the year. |
| Outcome | |
| Notes | URL to edit an artwork (in case necessary): artwork/guide/edit.do?artworkId= |

| Test #019 | |
|--------------------|---|
| Description | <p>You must log in as a Guide and list your museums. Display a museum and then display an exhibition where you work that has draft artworks. Click on the link to edit a draft artwork.</p> <p>Now inspect the HTML code (Ctrl + U, if you are using Google Chrome). Look for any "hidden" information in the HTML.</p> |
| Expected | Only three hidden inputs named "id", "version" and "exhibition" should be found. |
| Outcome | |
| Notes | URL to edit an artwork (in case necessary): artwork/guide/edit.do?artworkId= |

| Test #020 | |
|--------------------|---|
| Description | <p>You must log in as a Guide.</p> <p>Now you need to check in your database the ID of an artwork from an exhibition that you are not member of.</p> <p>Now try to edit that artwork, using its ID as the value of the "artworkId" parameter in the URL: "artwork/guide/edit.do?artworkId="</p> |
| Expected | A Panic view should be shown. |
| Outcome | |
| Notes | URL to edit an artwork (in case necessary): artwork/guide/edit.do?artworkId= |

| Test #021 | |
|--------------------|---|
| Description | <p>You must log in as a Guide.</p> <p>Now try to edit a made-up artwork, using its ID as the value of the “artworkId” parameter in the URL: “artwork/guide/edit.do?artworkId=”</p> |
| Expected | A Panic view should be shown. |
| Outcome | |
| Notes | URL to edit an artwork (in case necessary): artwork/guide/edit.do?artworkId= |

| Test #022 | |
|--------------------|--|
| Description | You must repeat all tests of this UC 055, but now using the system in Spanish. |
| Expected | All messages should be shown in Spanish. |
| Outcome | |
| Notes | |

Use case 056 Visitor create Announcement

Description

A Visitor wants to create an announcement for a group that she owns. In order do so, the user logs in to the system as a Visitor, lists her created groups, displays one of them and writes the announcement.

Access

In the menu, “Login” – to access the system.

In the menu, “Created Groups” – to access the list of groups she has created.

In list of groups, click on the name of a group – to display it.

In the display of a Group, “Create an announcement” – to write a new Announcement.

Tests

| Test #001 | |
|--------------------|--|
| Description | <p>You must log in as a Visitor, list your created groups and display one of them. Then, click on the “Create an announcement” link.</p> <p>Assert that the form shows the following information:</p> <ul style="list-style-type: none">- Title.- Description.- Picture. |
| Expected | All of the information detailed above should be shown. |
| Outcome | |
| Notes | URL to create an Announcement (in case necessary): announcement/visitor/create.do?groupId= |

| Test #002 | |
|--------------------|--|
| Description | <p>You must log in as a Visitor, list your created groups and display one of them. Then, click on the “Create an announcement” link.</p> <p>Enter the following information:</p> <ul style="list-style-type: none"> - Title: "" - Description: "" - Picture: "" <p>Now try to save the announcement. Once the errors are shown, click on the “Cancel” button.</p> |
| Expected | You should be redirected to the display of the group you were creating an announcement for. |
| Outcome | |
| Notes | URL to create an Announcement (in case necessary): announcement/visitor/create.do?groupId= |

| Test #003 | |
|--------------------|---|
| Description | <p>You must log in as a Visitor, list your created groups and display one of them. Then, click on the “Create an announcement” link.</p> <p>Enter the following information:</p> <ul style="list-style-type: none"> - Title: "" - Description: "" - Picture: "" <p>Now try to save the announcement.</p> |
| Expected | You should get a “Must not be blank” error in the title and description fields. |
| Outcome | |
| Notes | URL to create an Announcement (in case necessary): announcement/visitor/create.do?groupId= |

| Test #004 | |
|--------------------|---|
| Description | <p>You must log in as a Visitor, list your created groups and display one of them. Then, click on the “Create an announcement” link.</p> <p>Enter the following information:</p> <ul style="list-style-type: none"> - Title: “Van Gogh’s new group” - Description: “I made a new group for a Van Gogh’s fan reunion. Check it out!” - Picture: “http://cadenaser00.epimg.net/emisora/imagenes/2018/04/10/radio_sevilla/1523352795_106029_1523353084_noticia_normal.jpg” <p>Now try to save the announcement.</p> |
| Expected | You should successfully create the announcement and be redirected to its group display. |
| Outcome | |
| Notes | URL to create an Announcement (in case necessary): announcement/visitor/create.do?groupId= |

| Test #005 | |
|--------------------|---|
| Description | <p>You must log in as a Visitor, list your created groups and display one of them. Then, click on the “Create an announcement” link.</p> <p>Enter the following information:</p> <ul style="list-style-type: none"> - Title: “<script>alert(‘hacked!’);</script>” - Description: “<script>alert(‘hacked!’);</script>” - Picture: “<script>alert(‘hacked!’);</script>” <p>Now try to save the announcement.</p> |
| Expected | You should get an “Insecure HTML” error in the title and description fields. You should also get an “Invalid URL” error for the picture. |
| Outcome | |
| Notes | URL to create an Announcement (in case necessary): announcement/visitor/create.do?groupId= |

| Test #006 | |
|--------------------|--|
| Description | <p>You must log in as a Visitor, list your created groups and display one of them. Then, click on the “Create an announcement” link.</p> <p>Now inspect the HTML code (Ctrl + U, if you are using Google Chrome). Look for any “hidden” information in the HTML.</p> |
| Expected | Only one hidden input named “group” should be found. |
| Outcome | |
| Notes | URL to create an Announcement (in case necessary): announcement/visitor/create.do?groupId= |

| Test #007 | |
|--------------------|--|
| Description | <p>You must log in as a Visitor.</p> <p>Now you need to check in your database the ID of a group that you don't own. Now try to create an Announcement for that group, using its ID as the value of the "groupid" parameter in the URL: "announcement/visitor/create.do?groupid="</p> |
| Expected | A Panic view should be shown. |
| Outcome | |
| Notes | URL to create an Announcement (in case necessary): announcement/visitor/create.do?groupid= |

| Test #008 | |
|--------------------|--|
| Description | <p>You must log in as a Visitor.</p> <p>Now try to create an Announcement for a made-up group, using a made up ID as the value of the "groupid" parameter in the URL: "announcement/visitor/create.do?groupid="</p> |
| Expected | A Panic view should be shown. |
| Outcome | |
| Notes | URL to create an Announcement (in case necessary): announcement/visitor/create.do?groupid= |

| Test #009 | |
|--------------------|--|
| Description | You must repeat all tests of this UC 056, but now using the system in Spanish. |
| Expected | All messages should be shown in Spanish. |
| Outcome | |
| Notes | |

Use case 057 Director create a Museum

Description

A Visitor wants to stream the announcements of the groups she or he is member of. In order do so, the user logs in to the system as a Visitor and displays the stream of announcements directly by using the shortcut in the menu.

Access

In the menu, “Login” – to access the system.

In the menu, “Announcements” – to display the stream.

Tests

| Test #001 | |
|--------------------|--|
| Description | <p>You must log in as a Visitor that is member of some groups with announcements. Then, list the stream by clicking on the link in the main menu.</p> <p>Assert that the listing shows the following information for each of the announcements:</p> <ul style="list-style-type: none">- The moment of creation.- The title- The museum it references (a link to display it)- An optional picture (that must be rendered in case it was present)- The description |
| Expected | All of the information detailed above should be shown. |
| Outcome | |
| Notes | URL to stream the announcements (in case necessary): announcement/visitor/stream.do |

| Test #002 | |
|--------------------|--|
| Description | <p>You must log in as a Visitor that is member of some groups with announcements. Then, list the stream by clicking on the link in the main menu.</p> <p>Click on all of the pagination links that are shown: “First”, “Prev”, “Next”, and “Last”.</p> |
| Expected | No exception or error should be thrown. |
| Outcome | |
| Notes | URL to stream the announcements (in case necessary): announcement/visitor/stream.do |

| Test #003 | |
|--------------------|--|
| Description | <p>You must log in as a Visitor that is member of some groups with announcements. Then, list the stream by clicking on the link in the main menu.</p> <p>Click all the links shown in the table. That is: name of group it belongs to.</p> |
| Expected | No exception or error should be thrown. |
| Outcome | |
| Notes | URL to stream the announcements (in case necessary): announcement/visitor/stream.do |

| Test #004 | |
|--------------------|---|
| Description | <p>You must log in as a Visitor that is member of some groups with announcements. Then, list the stream by clicking on the link in the main menu.</p> <p>Check that the dates follow the pattern MM/dd/yyyy hh:mm in English and dd/MM/yyyy hh:mm in Spanish.</p> |
| Expected | The information should follow the indicated patterns. |
| Outcome | |
| Notes | URL to stream the announcements (in case necessary): announcement/visitor/stream.do |

| Test #005 | |
|--------------------|--|
| Description | You must repeat this UC-057 switching the language to Spanish. |
| Expected | Check that all messages are shown in Spanish. |
| Outcome | |
| Notes | |

Use case 058 Visitor create Group

Description

A Visitor wants to create a new Group. In order do so, the user logs in to the system as a Visitor, lists her created groups and creates a new one.

Access

In the menu, “Login” – to access the system.

In the menu, “Created Groups” – to access the list of groups she has created.

In the listing of groups, “Create a new group” – to create a new one.

Tests

| Test #001 | |
|--------------------|--|
| Description | <p>You must log in as a Visitor and list your created groups. Then, click on the “Create a new group” link.</p> <p>Assert that the form shows the following information:</p> <ul style="list-style-type: none">- Name.- Description.- Maximum number of participants.- Meeting date.- Privacy.- Museum. |
| Expected | All of the information detailed above should be shown. |
| Outcome | |
| Notes | URL to create a Group (in case necessary): group/visitor/create.do |

| Test #002 | |
|--------------------|--|
| Description | <p>You must log in as a Visitor and list your created groups. Then, click on the “Create a new group” link.</p> <p>Enter the following information:</p> <ul style="list-style-type: none"> - Name. - Description. - Maximum number of participants. - Meeting date. - Privacy. - Museum. <p>Now try to save the Group.</p> <p>Once the errors are shown, click on the “Cancel” button.</p> |
| Expected | You should be redirected to the list of your created Groups. |
| Outcome | |
| Notes | URL to create a Group (in case necessary): group/visitor/create.do |

| Test #003 | |
|--------------------|---|
| Description | <p>You must log in as a Visitor and list your created groups. Then, click on the “Create a new group” link.</p> <p>Enter the following information:</p> <ul style="list-style-type: none"> - Name: "" - Description: "" - Maximum number of participants: "" - Meeting date: "" - Privacy: Public. - Museum: ---- <p>Now try to save the Group.</p> |
| Expected | You should get a “Must not be blank” error in the name and description fields. You should also get a “Cannot be null” error in the maximum number of participants, meeting date and museum fields. |
| Outcome | |
| Notes | URL to create a Group (in case necessary): group/visitor/create.do |

| Test #004 | |
|--------------------|---|
| Description | <p>You must log in as a Visitor and list your created groups. Then, click on the “Create a new group” link.</p> <p>Enter the following information:</p> <ul style="list-style-type: none"> - Name: “Teens love art” - Description: “Let’s go all together to the museum.” - Maximum number of participants: “10” - Meeting date: “20/05/2017 00:09” - Privacy: Public. - Museum: <i>Choose any.</i> <p>Now try to save the Group.</p> |
| Expected | You should get a “Could not commit this operation” error. |
| Outcome | |
| Notes | URL to create a Group (in case necessary): group/visitor/create.do |

| Test #005 | |
|--------------------|---|
| Description | <p>You must log in as a Visitor and list your created groups. Then, click on the “Create a new group” link.</p> <p>Enter the following information:</p> <ul style="list-style-type: none"> - Name: “Teens love art” - Description: “Let’s go all together to the museum.” - Maximum number of participants: “10” - Meeting date: “20/05/2019 00:09” - Privacy: Public. - Museum: <i>Choose any.</i> <p>Now try to save the Group.</p> |
| Expected | You should successfully create the group and be redirected to its display. |
| Outcome | |
| Notes | URL to create a Group (in case necessary): group/visitor/create.do |

| Test #006 | |
|--------------------|---|
| Description | <p>You must log in as a Visitor and list your created groups. Then, click on the “Create a new group” link.</p> <p>Enter the following information:</p> <ul style="list-style-type: none"> - Name: “<script>alert(‘hacked!’);</script>” - Description: “<script>alert(‘hacked!’);</script>” - Maximum number of participants: “<script>alert(‘hacked!’);</script>” - Meeting date: “<script>alert(‘hacked!’);</script>” - Privacy: Public. - Museum: <i>Choose any</i>. <p>Now try to save the Group.</p> |
| Expected | You should get an “Insecure HTML” error in the name and description fields. You should also get an “Invalid amount” error for the maximum number of participants and an “Invalid moment” error for the meeting date. |
| Outcome | |
| Notes | URL to create a Group (in case necessary): group/visitor/create.do |

| Test #007 | |
|--------------------|---|
| Description | <p>You must log in as a Visitor and list your created groups. Then, click on the “Create a new group” link.</p> <p>Now inspect the HTML code (Ctrl + U, if you are using Google Chrome). Look for any “hidden” information in the HTML.</p> |
| Expected | No hidden inputs should be found. |
| Outcome | |
| Notes | URL to create a Group (in case necessary): group/visitor/create.do |

| Test #008 | |
|--------------------|--|
| Description | You must repeat all tests of this UC 058, but now using the system in Spanish. |
| Expected | All messages should be shown in Spanish. |
| Outcome | |
| Notes | |

Use case 059 Visitor create a Review

Description

A Visitor wants to review a Museum she or he has recently bought a day pass for. In order to do so, she or he logs in as Visitor and displays that Museum. After displaying it, she or he is able to write other reviews and add a new one by means of a link.

Access

In the menu, “Login” – to access the system.

In the menu, “Museums list” – to access the list of museums of the system.

In the museums’ listing, click on the name of a museum – to display it.

In the display view of a Museum, click on “Write a review for this museum” (it will only appear if you have ever bought a day pass for that museum) – to create a Review.

Tests

| Test #001 | |
|--------------------|--|
| Description | You must log in as a Visitor that has bought some day passes for a museum. Then, display that museum and click on the link in order to create a new review. Assert that the form shows the following information: <ul style="list-style-type: none">- Opinion.- Score. |
| Expected | All of the information detailed above should be shown. |
| Outcome | |
| Notes | URL to create a Review (in case necessary): review/visitor/create.do?museumId= |

| Test #002 | |
|--------------------|--|
| Description | You must log in as a Visitor that has bought some day passes for a museum. Then, display that museum and click on the link in order to create a new review. Enter the following information: <ul style="list-style-type: none">- Opinion: "".- Score: "". Now try to save the Review. Once the errors are shown, click on the “Cancel” button. |
| Expected | You should be redirected to the display view of the museum you were creating a Review for. |
| Outcome | |
| Notes | URL to create a Review (in case necessary): review/visitor/create.do?museumId= |

| Test #003 | |
|--------------------|--|
| Description | <p>You must log in as a Visitor that has bought some day passes for a museum. Then, display that museum and click on the link in order to create a new review.</p> <p>Enter the following information:</p> <ul style="list-style-type: none"> - Opinion: "". - Score: "". <p>Now try to save the Review.</p> |
| Expected | You should get a "Must not be blank" error in the opinion field. You should also get a "Cannot be null" error in the score field. |
| Outcome | |
| Notes | URL to create a Review (in case necessary): review/visitor/create.do?museumId= |

| Test #004 | |
|--------------------|--|
| Description | <p>You must log in as a Visitor that has bought some day passes for a museum. Then, display that museum and click on the link in order to create a new review.</p> <p>Enter the following information:</p> <ul style="list-style-type: none"> - Opinion: Test Review. - Score: 1.5. <p>Now try to save the Review.</p> |
| Expected | You should get a "Invalid amount" error on the score field. |
| Outcome | |
| Notes | URL to create a Review (in case necessary): review/visitor/create.do?museumId= |

| Test #005 | |
|--------------------|---|
| Description | <p>You must log in as a Visitor that has bought some day passes for a museum. Then, display that museum and click on the link in order to create a new review.</p> <p>Enter the following information:</p> <ul style="list-style-type: none"> - Opinion: Test Review. - Score: -1. <p>Now try to save the Review.</p> |
| Expected | You should get a "Too small (min = 1)" error in the score field. |
| Outcome | |
| Notes | URL to create a Review (in case necessary): review/visitor/create.do?museumId= |

| Test #006 | |
|--------------------|---|
| Description | <p>You must log in as a Visitor that has bought some day passes for a museum. Then, display that museum and click on the link in order to create a new review.</p> <p>Enter the following information:</p> <ul style="list-style-type: none"> - Opinion: <code><script>alert('hacked!');</script></code> - Score: 3. <p>Now try to save the Review.</p> |
| Expected | You should get an "Insecure HTML" error in the opinion field. |
| Outcome | |
| Notes | URL to create a Review (in case necessary): review/visitor/create.do?museumId= |

| Test #007 | |
|--------------------|--|
| Description | <p>You must log in as a Visitor that has bought some day passes for a museum. Then, display that museum and click on the link in order to create a new review.</p> <p>Enter the following information:</p> <ul style="list-style-type: none"> - Opinion: Valid Review - Score: 3. <p>Now try to save the Review.</p> |
| Expected | You should have successfully created the Review and be redirected to the display view of the museum you created a Review for. |
| Outcome | |
| Notes | URL to create a Review (in case necessary): review/visitor/create.do?museumId= |

| Test #008 | |
|--------------------|--|
| Description | <p>You must log in as a Visitor that has bought some day passes for a museum. Then, display that museum and click on the link in order to create a new review.</p> <p>Now inspect the HTML code (Ctrl + U, if you are using Google Chrome). Look for any "hidden" information in the HTML.</p> |
| Expected | Only three hidden inputs must be found: "id", "version" and "museum". |
| Outcome | |
| Notes | URL to create a Review (in case necessary): review/visitor/create.do?museumId= |

| Test #009 | |
|--------------------|---|
| Description | <p>You must log in as a Visitor.</p> <p>Now, go to your database and look for the ID of a museum where you haven't bought any day passes.</p> <p>Use that ID as the parameter museumId in the URL: "review/visitor/create.do?museumId="</p> |
| Expected | A panic view should be shown (IllegalArgumentException). |
| Outcome | |
| Notes | <p>URL to create a Review (in case necessary): review/visitor/create.do?museumId=</p> |

| Test #010 | |
|--------------------|---|
| Description | <p>You must log in as a Visitor.</p> <p>Use a made up ID as the parameter museumId in the URL: "review/visitor/create.do?museumId="</p> |
| Expected | A panic view should be shown (IllegalArgumentException). |
| Outcome | |
| Notes | <p>URL to create a Review (in case necessary): review/visitor/create.do?museumId=</p> |

| Test #011 | |
|--------------------|---|
| Description | You must repeat all tests of this UC 059, but now using the system in Spanish. |
| Expected | All messages should be shown in Spanish. |
| Outcome | |
| Notes | <p>URL to create a Review (in case necessary): review/visitor/create.do?museumId=</p> |

Use case 060 Director Add Guide to Museum

Description

A director wants to add a guide to one of his/her museums. In order to do so, he/she must log in as a director, then list his museums, and finally add a guide.

Access

“Main Menu > Login” - to log in to the system

“Main Menu > My Museums” - to list the museums created by the director

Tests

| Test #001 | |
|--------------------|---|
| Description | You must log in to the system as director1/director1. Then, click on “My Museums”. On any museum, click on “Add Guide”. |
| Expected | The system must display an edit form with the following inputs: <ul style="list-style-type: none">- A multiselect input, with label: Add a new guide to this exhibition- A Save button- A Cancel button |
| Outcome | |
| Notes | URL to list my museums (in case necessary): museum/director/listMine.do |

| Test #002 | |
|--------------------|--|
| Description | You must log in to the system as director1/director1. Then, click on “My Museums”. On any museum, click on “Add Guide”. Select “Camember Hogan” and click on Save. |
| Expected | The system must redirect you to the list of my museums correctly. |
| Outcome | |
| Notes | URL to list my museums (in case necessary): museum/director/listMine.do |

| Test #003 | |
|--------------------|--|
| Description | You must log in to the system as director1/director1. Then, click on “My Museums”. On any museum, click on “Add Guide”. Select more than only one guide (by pressing control key) and click on Save. |
| Expected | The system must redirect you to the list of my museums correctly. |
| Outcome | |
| Notes | URL to list my museums (in case necessary): museum/director/listMine.do |

| Test #004 | |
|--------------------|--|
| Description | You must log in to the system as director1/director1. Then, click on “My Museums”. On any museum, click on “Add Guide”. Select one guide, and then click on “Inspect”. Find the form in the HTML document and in the select, change the value of the selected guide for “1”. Then press enter and click on Save. |
| Expected | There should be a panic view with the following error: IllegalArgumentException |
| Outcome | |
| Notes | URL to list my museums (in case necessary): museum/director/listMine.do |

| Test #005 | |
|--------------------|--|
| Description | You must log in to the system as director1/director1. Then, click on “My Museums”. On any museum, click on “Add Guide” and then click on Cancel. |
| Expected | The system must redirect you to the list of museums created by the director1 correctly. |
| Outcome | |
| Notes | URL to list my museums (in case necessary): museum/director/listMine.do |

| Test #006 | |
|--------------------|--|
| Description | Repeat the entire UC-060 but now with the language in Spanish. |
| Expected | Check that all the info is translated into Spanish except for the messages created by users. |
| Outcome | |
| Notes | URL to list my museums (in case necessary): museum/director/listMine.do |

Use case 061 Director edit a Store

Description

A Director wants to edit the Store of one of the museums she manages. In order to do so, the user logs in to the system as a Director, lists her museums, displays one of them, then displays its store and edits it.

Access

In the menu, “Login” – to access the system.

In the menu, “My Museums” – to access the list of museums of the principal.

In list of owned museums, click on the name of a museum – to display it.

In the display of a museum, if it has a Store, an icon of a handbag will appear – click on it to display the museum’s Store.

In the display of a Store, “Edit” – to edit it.

Tests

| Test #001 | |
|------------------|--|
| Description | <p>You must log in as a Director and list your museums. Then, display a museum which has a Store and click on the handbag icon to display it. Now, click on the “Edit” link.</p> <p>Assert that the form shows the following information:</p> <ul style="list-style-type: none">- Name.- Logo.- Phone number.- Email. |
| Expected Outcome | All of the information detailed above should be shown. |
| Notes | URL to edit a store (in case necessary): “store/director/edit.do?storeId=” |

| Test #002 | |
|--------------------|--|
| Description | <p>You must log in as a Director and list your museums. Then, display a museum which has a Store and click on the handbag icon to display it. Now, click on the "Edit" link.</p> <p>Enter the following information:</p> <ul style="list-style-type: none"> - Name: "" - Logo: "" - Phone number: "" - Email: "" <p>Now try to save the Store.</p> <p>Once the errors are shown, click on the "Cancel" button.</p> |
| Expected | You should be redirected to the display of the Store you were editing. |
| Outcome | |
| Notes | <p>URL to edit a store (in case necessary):</p> <p>"store/director/edit.do?storeId="</p> |

| Test #003 | |
|--------------------|--|
| Description | <p>You must log in as a Director and list your museums. Then, display a museum which has a Store and click on the handbag icon to display it. Now, click on the "Edit" link.</p> <p>Enter the following information:</p> <ul style="list-style-type: none"> - Name: "" - Logo: "" - Phone number: "" - Email: "" <p>Now try to save the Store.</p> |
| Expected | <p>A "Must not be blank" error should be shown next to all of the fields.</p> <p>A "Does not match pattern" error should be shown next to the Phone number field.</p> |
| Outcome | |
| Notes | <p>URL to edit a store (in case necessary):</p> <p>"store/director/edit.do?storeId="</p> |

| Test #004 | |
|--------------------|---|
| Description | <p>You must log in as a Director and list your museums. Then, display a museum which has a Store and click on the handbag icon to display it. Now, click on the "Edit" link.</p> <p>Enter the following information:</p> <ul style="list-style-type: none"> - Name: "Souvenirs" - Logo: "https://thumbs.dreamstime.com/z/vector-text-summer-time-print-t-shirt-souvenirs-banner-card-promotional-calligraphy-clothes-shop-women-website-internet-blog-115894257.jpg" - Phone number: "634543453" - Email: "souvenirs@gmail.com" <p>Now try to save the Store.</p> |
| Expected | The Store should be successfully edited, and you should be redirected to its display view. |
| Outcome | |
| Notes | <p>URL to edit a store (in case necessary):</p> <p>"store/director/edit.do?storeId="</p> |

| Test #005 | |
|--------------------|--|
| Description | <p>You must log in as a Director and list your museums. Then, display a museum which has a Store and click on the handbag icon to display it. Now, click on the "Edit" link.</p> <p>Enter the following information:</p> <ul style="list-style-type: none"> - Name: "<script>alert('hacked!');</script>" - Logo: "<script>alert('hacked!');</script>" - Phone number: "<script>alert('hacked!');</script>" - Email: "<script>alert('hacked!');</script>" <p>Now try to save the Store.</p> |
| Expected | <p>An "Insecure HTML" error should be shown next to: Name.</p> <p>An "Invalid URL" error should be shown next to: Logo.</p> <p>A "Does not match pattern" error should be shown next to: Phone number.</p> <p>An "Invalid email" error should be shown next to: Email.</p> |
| Outcome | |
| Notes | <p>URL to edit a store (in case necessary):</p> <p>"store/director/edit.do?storeId="</p> |

| Test #006 | |
|--------------------|--|
| Description | <p>You must log in as a Director and list your museums. Then, display a museum which has a Store and click on the handbag icon to display it. Now, click on the "Edit" link.</p> <p>Now inspect the HTML code (Ctrl + U, if you are using Google Chrome). Look for any "hidden" information in the HTML.</p> |
| Expected | Only two hidden inputs named "id" and "version" should be found. |
| Outcome | |
| Notes | <p>URL to edit a store (in case necessary):</p> <p>"store/director/edit.do?storeId="</p> |

| Test #007 | |
|--------------------|---|
| Description | <p>You must log in as a Director.</p> <p>Now you need to check in your database the ID of a Store that the principal does not own.</p> <p>Now try to edit that Store, using its ID as the value of the “storeId” parameter in the URL: “store/director/edit.do?storeId=”</p> |
| Expected | A Panic view should be shown. |
| Outcome | |
| Notes | <p>URL to edit a store (in case necessary): “store/director/edit.do?storeId=”</p> |

| Test #008 | |
|--------------------|---|
| Description | <p>You must log in as a Director.</p> <p>Now try to edit a made-up Store, using a made-up ID as the value of the “storeId” parameter in the URL: “store/director/edit.do?storeId=”</p> |
| Expected | A panic view should be shown. |
| Outcome | |
| Notes | <p>URL to edit a store (in case necessary): “store/director/edit.do?storeId=”</p> |

| Test #009 | |
|--------------------|--|
| Description | You must repeat all tests of this UC 061, but now using the system in Spanish. |
| Expected | All messages should be shown in Spanish. |
| Outcome | |
| Notes | |