DCCD acceptance tests

This document should be used as guidance for testing before releases. It contains the descriptions of various steps to perform on the system and what the expected results are.

# Minimal tests

At this stage there only is a very minimal acceptance test, but its a start. Descriptions are not always specific, but a bit generic and the tester should also use them as a suggestion for more things to try out.

## All web pages

* The page title should be corresponding to the content.
* The language selection, texts should change with selection.

## Home (start) page

* all links in the menu should navigate you to the correct page.

## Register

Note that this test is described in a bit more detail than the others.

### Input validation

* Select the 'Register' link on the homepage. The registration page should appear, but the 'Register' button at the bottom of that page should be disbaled.
* fill in the 'required' fields

|  |  |
| --- | --- |
| Name | Value |
| username | 12345 |
| password | bogus1 |
| email | me.myname@dans.knaw.nl |
| initials | m |
| surname | myname |
| organisation | org |
| department | dep |

The 'Register' button should be enabled, but DONT push it yet!

* for each 'reguired' field you should empty it and see that Registration is not possible. Also there should be a notice at the field that is invalid.
* Try other invalid inputs like:
  + username to short; 1234
  + username with whitespace; 12345 67891
  + password to short; bogus
  + password confirmation not the same; bogus2
  + invalid email address; me@wrongdomain

### Mail notification and activation

The test below assume we have a user with the name 'testuser' and not one with the name 'testuser2'. It is possible to manage users with the LDAP client software, but if the Registration works you could at least use it to register a 'testuser'. Deleting an exiting 'testuser2' is relatively simple with the client.

* Select the 'Register' link on the homepage. The registration page should appear, but the 'Register' button at the bottom of that page should be disbaled.
* fill in all possible fields for a test user, but change some if it is needed. Most importanly is the email, because that is where the confirmation mail is sent to!

|  |  |
| --- | --- |
| Name | Value |
| username | testuser |
| password | abc123& |
| email | me.myname@dans.knaw.nl |
| Title | Msc |
| Initials | T. |
| Prefixes | van der |
| Surname | Test |
| Function | Software developer |
| Telephone | 06 123 456 78 |
| Organization | MYORG |
| Department | sdg |
| Address | ourstreet 1 |
| Postal code | 1234 AB |
| City | The City |

* Register should become enabled, push it. If the 'testuser' allready existed, registration should fail. In that case change the username to 'testuser2'.
* Succesfull regsitration should show a page with a message that you are registerred.
* check that the user can't login yet.
* the testuser should get an email with all the fields but not the password! You could check with the LDAP client or when logged in as 'dccduseradmin' that the user is registered (dansstate=REGISTERED), but not activated (dansstae=ACTIVE). Also check that the role is USER and not ADMIN.
* The 'dccduseradmin' should get a mail for this registration and a link to activate the account.
* Activate the account by following the link ithe dccduseradmin's mail, of if that is not possible use the LDAP client. After that, the user should be able to login and the account should appear in the list of members.

## Login and logout

Make sure you have a registered test user, if registration does not work you can create one using the LDAP client. Navigate to the login page by using the login link and try to login with tyhe following input:

* nothing, should not login.
* wrong username and wrong password, should not login.
* wrong username and correct password, should not login.
* correct username but wrong password, should not login.
* correct username and correct password, should not login. Only this should log you in! The Login page should disappear and the page menu should be changed. The 'Login' link in should be replaced by a 'Logout' link.
* selecting that 'Logout' link should change the link back to 'Login' and you could start logging in again.

## Project Upload

* After an upload the corresponding project should be added to the list in 'My Projects' as a Draft version.
* Use a TRiDaS xml file with no references to other files.
* Combined file upload Use a TRiDaS file with references to value files and associated files.
* after uploading the TRiDaS file the page should ask for all the other files needed.
* Only after uploading all of them the 'Finnish' should be enabled, until then you should also be warned when navigating to another page.

## Project view

Get there by selecting a 'Search result' or by selecting a project on the 'My Projects' page.

### Tree view

This is the area on the left showing a tree of the project entities.

* selecting an node should correctly update the information on the page.
* expanding and collapsing of nodes in the tree view should work correctly.

### Path view

This breadcrumb like view on the top part shows a chain of nodes to the selection.

* from right to left select the node and the information displayed should be correctly updated.
* collapse the tree view first, then selection the nodes in the path view should expand the tree up to the node selected.

### Edit mode

* when you change something in edit mode and save it, it should then be changed accordingly in the view.

### Download

* selecting download should bring you to a download specific page. (see download section)

## Project download

* the project being downloaded should be the one viewed when selecting 'download'.
* downloading (actual) should only succeed when the license agreement has been 'checked'. Test this by 'checking' and 'unchecking' and it.
* select a project with multiple measurement series and go to the download page. try downloading with the following options.
* none, should give only one xml file inside the zip, check the content.
* Tuscon format, now not only the xml file but Tuscon files as well
* Heidelberg format, should have Heidelberg files.
* also try original files and associated files
* select a project with no series at all. Whatever the format selection the download should only have the TRiDaS xml file.

## Search

* Search input
* an empty input filed or whitespace input should give no results.
* a term that should not give any results, like "efd0de4b-3068-41f2-9d08-71ca7951df51"
* a term that should give a lot of results like 'quercus' or 'archaeology'.
* try to narrow this result down by adding a term that is not so frequent.
* use a term that would give more hits when using a wildchart '\*' and try with and without it.
* Search results
* Select a result (link) and you should get the project view page with the 'object' selected. When not logged in you should not be able to view the result.
* try the navigation for result paging for the previous and next page. check the number of visible results and the toltal number of results.
* Change the number of results per page from 10 to 5 and back again, did the number of pages change correctly.
* Advanced Search
* should only be available when you are loged in.
* try different combinations of time and types, adding a 'restriction' should reduce the number of hits.

**TODO** add minimal tests for the GIS (map) and the download search results.

# Detailed tests

Focuses on specific features. Not much yet, but it should be growing.

## Search

### Navigation

#### Number of results per page

1. Browse to the site and type a search request that you know gives more then 10 results. The default paging should be 10 results and thus give you more than one page.
2. Go to the second page and then select 5 results per page. You should be back on the first page and have an increased number of pages.
3. Go to the last page and select 20 results per page. Again you should be back on the first page and have a decreased number of pages.
4. Login and go to “My Projects”. The number of results per page should still be 20.
5. Go to the ‘Advanced Search’ page and type a query with at least one result. The number of results per page should still be 20.
6. Logout and type a query with at least one result. The number of results per page should still be 20.
7. Stop using the site for at least a half an hour (the session timeout). Maybe do this before lunchtime. When you get back retype the last query and the number of results per page should be set back to the default 10 results.

#### Link to the project or object on Map Marker Pop-up

1. Browse to the site and type a search request that you know gives at least two results on the map (you should not be logged in).
2. Inspect the map on the right side of the results list. Do the markers correspond with the hits in the list? You can check this by clicking on each mark and compare the Mark labels, Title en ID’s.   
   Check that the selection and deselecting of the pop-ups works.
3. Click on the title (link) in the marker pop-up. You should now get at the login page. Input your credentials and you should be redirected to the correct project page with the correct object selected and shown.
4. Go back to the search result or issue a new request. Then click on the title in the marker pop-up and you should be redirected to the view page without logging in.
5. Type a new search request that gives a lot of search results on the map.   
   Push the ‘Show all locations’ button. You should be redirected to a page showing all the results on a map, but without the result list besides it. It might take some time to appear!
6. Verify that the map can be used by zooming in and panning and that the pop-ups can be shown and hidden. Click on a title in a pop-up and you should be redirected to the corresponding project view.

NOTE: make sure you also test it on a server that has the same URL rewrite rules as on production, so you can verify everything works with the 'special' URL's of the link.

## Project View

### Associated files info

Have a project uploaded with at the following associated files:

* One with no extension
* One pdf
* Two txt, one in a deeper level.

1. Login and view the project, possibly via the ‘My Project’ page.

Check that the information is correctly summarized:

The unknown is detected and two txt files are added, plural form is used where needed and extensions are capitalized.

Associated files: 1 unknown file, 1 PDF file, 2 TXT files

1. Select French as language and check that the informative text is also translated.

Fichiers associés: 1 fichier inconnu, 1 fichier PDF, 2 fichiers TXT

### Add Additional Associated files

Have a least one project uploaded in the Draft status and one already archived.

#### Test if adding is allowed

1. Login and view the Archived project  
   There should be no ‘Add’ button next to the ‘Associated files’ list.
2. View the Draft project and check that it displays the ‘Add’ button.
3. Archive the project and check that the ‘Add’ button has disappeared.
4. Unarchive and check that it is back again.

#### Test upload and cancel

1. Login and view the Draft project.   
   There should be a ‘Add’ button next to the ‘Associated files’ list.
2. Click the ‘Add’ button.   
   You should be directed to a new page which lists the already stored associated files (check this)
3. Upload a ‘new’ file (not already stored) by selecting via the Browse button and then pushing ‘Upload’.   
   The list of uploaded files should now show that file.
4. Push ‘Cancel’.   
   You should return to the project view and there the same amount of files should be displayed and also no extra File element should be added in the Project entity panel.

#### Test upload and finish

1. Login and view the Draft project.   
   There should be a ‘Add’ button next to the ‘Associated files’ list.
2. Click the ‘Add’ button.   
   You should be directed to a new page which lists the already stored associated files (check this)
3. Upload a ‘new’ file (not already stored) by selecting via the Browse button and then pushing ‘Upload’.   
   The list of uploaded files should now show that file.
4. Push ‘Finish.   
   You should return to the project view and there the amount of files should be increased by one and also an extra File element should be added in the Project entity panel with the name of the file being added.
5. Perform steps 1 to 4 but now for a zip file containing several files.
6. Download the project with the additional (not original, that for value files and tridas) and check content of the additional files. Also check the TRiDaS file which should contain   
   <tridas:file xlink:href="test.pdf" />   
   if the uploaded file was test.pdf.

#### Test discarding of files with the same name as already stored files

1. Login and view the Draft project.   
   There should be a ‘Add’ button next to the ‘Associated files’ list.
2. Click the ‘Add’ button.   
   You should be directed to a new page which lists the already stored associated files (check this)
3. Upload a file already stored by selecting via the Browse button and then pushing ‘Upload’. Note that ‘the same’ means with the same filename disregarding case; so if we already have test.pdf, TeSt.PdF would be the same.   
   The list of uploaded files should now **NOT** show that file.
4. Push ‘Finish.   
   Nothing should happen, you need to cancel or upload a ‘new’ file.