SCHEDULE 2: THE REQUIREMENTS

Iteration 1 – Clipboard improvements, Mini-templates, public release
Iteration completion date: March 31, 2017

	Title	Description	Contract Status	Notes	Est.
C1	Renaming of sets	As a user, I would like to rename a set from within the clipboard sidebar. Functionality created in the side bar clipboard should also be available in the instance page of the clipboard.	Fixed		2
C2	Explicit ordering of sets	As a user, I would like to reorder the elements in a set (Ordered set, e.g no duplicates are allowed) via drag-and-drop. Reordering will be possible in set edit mode (in the clipboard sidebar as well as on the set instance page). New items are added to the top of the set.	Fixed		15
C3	Export of sets	As a user, I would like export a set as an RDF graph, json or csv. The exact RDF export should be configurable.	Desirable		4
C4	Import of sets	As a user, I would like import a set into my clipboard. When importing there should be a warning if the item references are not found in the target database.	Desirable		4
C5	Link to item's entity page	As a user, I would like items in my clipboard sidebar to open the item's entity page in the main content pane, when clicked on	Fixed	works now for simple entities, need to have something for sets	2
C6	Mini-templates	As a user, I want to see types of resources referenced in different tools and pages rendered using user defined mini-templates. For example, I hover over a link to an record and get a mini-representation of the record with an image (with some display labels)	Fixed	This will help with for example, the search and autocomplete system, e.g a picture and additional information about the person without extending the displaylabel. The actual template is configurable and will also work with user defined pages and any RS resource.	10
C7	Public open source release	Definition and setup of open source project and administrative	Fixed	The Museum and the Company will agree a	10

		structures, preparation of code base for public release, proper identification of copyright and licensing		specification of works before commencement.	
				total	47

Iteration 2 – Search Improvements
Iteration Completion Date: April 30, 2017

	Title	Description	Contract Status	Notes	Est
S1	Performance	The system should utilize the latest Blazegraph improvements to improve performance of both queries and inserts: Use the ability to apply query hints to sub-queries to improve performance in facet queries	Fixed	We just going to update search query generation to use features available in the latest version - blazegraph can not use query hints on subqueries and with this feature we can improve performance in facets.	3
S2	Testing / stability	The system should be tested against support browsers using a suitable test mechanism - for example browserstack.com	Fixed	1) Setup CI to use browserstack. 2) Refactoring of Gherkin tests. 3) Cover tree selector and facets. 4) Work on new tests based on real data. Applies to whole system not just search.	15
S3	Search based on field definitions	Search will be made usable based on field definitions, i.e. not requiring an ETL process with FC/FR computation	Fixed	The assumption is that we already have proper field definitions in place.	10
S4	Result view	The system should be configurable to allow different resources (images) to be displayed in the results pane (alternative cards). e.g. currently when there is no image there is a default card saying no image available. This will be done through the ability to use mini-templates in the result visualisation.	Fixed		2
S5	Share queries	A user, should be able to share URL to searches. (As it is already possible for other main researchspace resources including, assertions, arguments, entities.)	Fixed	The state of the search needs to be encoded in the URL, without the need to persist the search in the database	5
S6	Ordering of search results	The system should provide the user with a consistent ordering of search results, at least for reasonably sized result sets. By default, results are unordered and changed on page refresh. If the number of results is	Fixed	Time boxed to 3 days. Reasonable should be in the region of 10,000 results.	3

		below a defined threshold, we should order the search results by URI.				
S7	Autocomplet e	The autocomplete in the search can be configured to force the autocomplete on enter.	Fixed			1
S8	Search Facets	As a user, I want to have the ability to search through facet values on search.	Fixed			4
					total	43

Iteration 3 – Field registry
Iteration Completion Date: May 31, 2017

#	Title	User Story	Contract Status	Notes	Est
F1	Field Definition	We need to create an extended field definition representation that unifies the various notions of fields for - Forms - assertions / argumentation - visualisation of records based on fields - search	Fixed	In essence this merges the form capability into ResearchSpace, so that if you enter new data, create a new field assertion, use fields in templates, create a completely new record, and so on. It is using the field catalog but without losing or limiting features.	5
F2	Field-based visualisation	The template-based visualisation, with the ability to use existing components, should be capable of using the unified field definitions. In forms a field is defined and can be referenced by a template and displayed using various field widgets (autocomplete, static etc). The ability to provide templates (like the current semantic link and others) should be included for displaying field information, i.e. field definitions need to be associated with templates for visualising fields values.	Fixed	The idea is to have component similar to <semantic-form>, which takes list of field IRIs (can be also specified with sparql query using helper functions). Inside this component one will be able to reference fields to specify the template that should be used for visualization. We are also going to support configurable default visualizations that will be applied if one omit custom template.	7
F3	Field-based forms	The forms components needs to be updated to make use of the new, unified field definitions	Fixed		5
F4	Support hidden input fields	Forms need "Hidden input components" to provide field values that are constant in a particular context. This should e.g. also be used for typing objects.	Desired	Currently, we put the type as constant into e.g. the field definition for label, which makes it difficult to properly reuse fields in other contexts.	2
F5	Field-based argumentation/assertion	The assertion component needs to be updated to	Fixed		15

		make use of the new, unified field definitions. In particular, the component must not rely on materialised field instances as before.			
F6	Field authoring	As a user, I would like to capture additional of metadata for fields for improved organisation. This additional metadata will include(with possible other categories): - domain and range of a field - category (possibly represented as concepts in a SKOS scheme for hierarchical organisation)	Fixed		4
F7	Search for fields	As a user, I want to able to search for fields, including faceting. Based on the ResearchSpace search components, we will configure a search interface that allows to search for existing field definitions based on the available field metadata. including new category system.	Fixed		3
F8	Field import/export	As a user, I should be able to import and export fields into my database. From the field registry, we need a simple export of field definitions, which can then be imported into another ResearchSpace platform instance.	Fixed		3
				Total	44