

Call Calendar	Version: 1.0
Test Report	Date: 2015-01-12

Call Calendar



Test Report

Version 1.0

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Title:

Call Calendar

Course:

Distributed Software Development

Document:

Test Report

Participants:

Biljana Stanić

Md. Abdur Razzaque

Hrvoje Pavlović

Marko Vuglec

Marko Veličković

Damian Marušić

Supervisors:

Federico Ciccozzi

Ivana Bosnić

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2015-01-10	0.1	Initial Draft	Marko Vuglec
2015-01-10	0.2	Added system overview, document overview	Marko Vuglec
2015-01-10	0.4	Added security measures	Marko Vuglec
2015-01-11	0.5	Added admin (RECO) test cases	Marko Veličković
2015-01-11	0.6	Added a few admin (RECO) test cases	Abdur Razzaque
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1. Introduction

1.1 System overview

The division for Research Coordination (RECO) constantly looks out for funding possibilities, helps the researchers with updated information about conditions, budget, consortia, and, also, helps putting the applications together. It is crucial to keep calls and deadlines in mind. RECO and the ES researchers would all benefit from a "Call calendar" containing information about funding bodies, different calls and their respective deadlines.

The goal of this project is to extend current functionalities of existing system at ES. Currently, there are researchers profiles/areas of interest, funding bodies and funding programs. System is divided into back and front office. Back office is used to manage researchers, projects and funding agencies. In front office researchers profiles/areas of interest and funding bodies/programs are shown.

System will be upgraded so it could support adding funding agencies calls, as well as researches' applications to specific calls. It will also match calls with researchers profiles/research interests in order to ensure maximum user satisfaction. Moreover, it will contain information about different calls and their respective topics, deadlines and links to more information. Alongside viewing available calls list, in front office, functionality of sorting and filtering calls will be added. Users will be able to get various generated reports about calls and applications as well.

The purpose of this document is to present acceptance test cases for determining if the requirements of a specification are met.

1.2 Document overview

The purpose of this document is to present all test cases that are captured. Document has the following structure:

- Introduction of the system overview, security measures and table of definitions and acronyms;
- Related documents where audience can find more information about the specific details of the system;
- Requirements, that were identified previously, have been listed and then a set of test cases has been created.
- Functional test cases and results.

1.3 Security measures

In order to have a secured system and avoid possible errors on the system, all users are required to have credentials to login (required for the back-office). That way we have the system that will have a limited number of users.

1.4 Definitions and acronyms

In the following table will be present and explained abbreviations that will be used in the document.

Acronym or abbreviation	Definitions
MDH	Mälardalen University, Västerås, Sweden
FER	Faculty of Electrical Engineering and Computing, Zagreb, Croatia
DSD	Distributed Software Development
ES	Embedded Systems
RECO	Research Coordination

Table 1. Abbreviations and definitions

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1.5 Related documents

More information about the description of the system, requirements and design decisions can be found in:

- *Project Plan Document.pdf*;
- *Requirements Definition Document.pdf*;
- *Design Description Document.pdf*
- *Acceptance Test Report.pdf*

2. Requirements definition

In this section will be presented functional requirements for which will be created acceptance test cases. Those requirements were identified from the customer and each of them has the corresponding priority. Priorities can have labels “high”, “medium” or “low”.

In the following table are listed functional requirements, with corresponding ids, names, descriptions and number of test cases where they were verified.

ID	Functional	Name	Description
FR-01	Yes	Add new call	Add the call
FR-02	Yes	View all calls	View all past/active calls
FR-03	Yes	Filtering calls by agencies	Filter calls by Admin (RECO)'s name
FR-04	Yes	Filtering calls by status	Filtering calls by status (past/active)
FR-05	Yes	View specific call	Detail view of specific call
FR-06	Yes	Send notification to researchers	Send email notification to all researchers who are interested in call
FR-07	Yes	Adding application form to the call	Researcher's application is added to the specific call
FR-08	Yes	Storing application's forms	All created applications are saved and stored
FR-09	Yes	Viewing and generating reports about the call	Generate report with all important information about the specific call
FR-10	Yes	Generating reports about all applications for the call	Generate report about all applications for the specific call
FR-11	Yes	Custom filters and possibility to export results to excel	Filter calls and export retrieved data to excel file
FR-12	Yes	Custom filter - option to choose which fields to return	Filter calls using custom fields
FR-13	Yes	Create a project	The project should be created once the

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			application is labeled as “granted”
FR-14	Yes	Create a news feed	For every granted application should be created a news feed on the web page
FR-15	Yes	Add new call type	Add the call type that will be attached to the call
FR-16	Yes	Add new call status	Add the call status that will be attached to the call
FR-17	Yes	Add attachment to the call	Add the attachment (documentation) to the call
FR-18	Yes	Add deadline for the call	Add the deadline (internal/external) for the specific call
FR-19	Yes	View all attachments for the call	View all added attachments for the specific call
FR-20	Yes	Download attachment from the call	Download a specific attachment from the chosen call
FR-21	Yes	Add new application status	Add the application status that will be attached to the application
FR-22	Yes	Add attachment to the application	Add the attachment (documentation) to the application
FR-23	Yes	View all attachments for the application	View all attachments for the application
FR-24	Yes	Add funding program	Add funding program
FR-25	Yes	Remove existing call	Remove existing call
FR-26	Yes	Edit existing call	Edit data about the existing call
FR-27	Yes	Deny a certain application	Deny a certain application that is not valuable
FR-28	Yes	Edit existing application	Edit data about the existing application
FR-29	Yes	Remove existing application	Remove existing application
FR-30	Yes	Edit existing call type	Edit data about the existing call type
FR-31	Yes	Remove existing call type	Remove existing call type
FR-32	Yes	Edit existing call status	Edit data about the existing call status
FR-33	Yes	Remove existing call status	Remove existing call status
FR-34	Yes	Edit existing application	Edit data about the existing

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		status	application status
FR-35	Yes	Remove existing application status	Remove existing application status
FR-36	Yes	Edit existing attachment of the call	Edit data about the existing attachment of the call
FR-37	Yes	Remove existing attachment of the call	Remove existing attachment of the call
FR-38	Yes	Edit existing deadline for the call	Edit data about the existing deadline for the call
FR-39	Yes	Remove existing deadline for the call	Remove existing deadline for the call
FR-40	Yes	Edit existing attachment of the application	Edit data about the existing attachment of the application
FR-41	Yes	Remove existing attachment of the application	Remove existing attachment of the application
FR-42	Yes	Remove existing funding program	Remove existing funding program
FR-43	Yes	Edit existing funding program	Edit data about the existing funding program
FR-44	Yes	View all applications	View all past/active applications
FR-45	Yes	View specific application	Detail view of specific application
FR-46	Yes	View all call types	View all call types
FR-47	Yes	View specific call type	Detail view of the specific call type
FR-48	Yes	View all call statuses	View all call statuses
FR-49	Yes	View specific call status	Detail view of the specific call status
FR-50	Yes	View all deadlines for the call	View all deadlines for the call
FR-51	Yes	View specific deadline for the call	Detail view of the specific deadline for the call
FR-52	Yes	View all application statuses	View all application statuses
FR-53	Yes	View specific application status	Detail view of the specific application status
FR-54	Yes	View all funding programs	View all funding programs
FR-55	Yes	View specific funding	Detail view of the specific funding

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		program	program
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Table 2. Functional requirements

3. Test cases

This section contains test cases related to functionalities that are enabled for Admin (RECO) and researcher. The following two subsections will provide description for each case.

3.1 Admin (RECO)

Test Name: Test Case 01: **Add New Call**
Description: Admin (RECO) should be able to add new call.
Prerequisites: 1. Admin (RECO) has access to back office

Step	Operator Action	Expected Results	Observed Results	Pass/ Fail
1.1	Put mouse on Calls drop-down menu in back office	Drop-down menu will show the contents	Drop-down menu will show the contents	Pass
1.2	Click on Call from the menu	Open call page	Call page opened	Pass
1.3	At the upper right corner click add new button	“New call” empty form is displayed	“New call” empty form is opened	Pass
1.4	Admin (RECO) fills in the form	All required fields are marked with a star	All required fields are marked with a star	Pass
1.5	Admin (RECO) submits filled form	Call is created and added to the list of all calls	Call is created and added to list of all calls	Pass
1.6	Requested fields are incorrectly filled in	Alert about incorrectly filled fields is shown	Alert about incorrectly filled fields is shown	Pass

Table 3. Add New Call test case

Test Name: Test Case 02: **Notify Interested Researchers**
Description: Potentially interested researchers are notified about certain call.
Prerequisites: 1. Call is created

Step	Operator Action	Expected Results	Observed Results	Pass/ Fail
2.1	Admin (RECO) makes a call	System identifies all the researchers that may be interested in call and sends them notification about the new call	Call is created and notifications are sent	Pass

Table 4. Notify Interested Researchers test case

Test Name: Test Case 03: **Edit Existing Call**
Description: Potentially interested researchers are notified about certain call.
Prerequisites: 1. Admin (RECO) has access to back office
2. Admin (RECO) has created call

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Step	Operator Action	Expected Results	Observed Results	Pass/ Fail
3.1	Put mouse on Calls drop-down menu in back office	Drop-down menu will show the contents	Drop-down menu will show the contents	Pass
3.2	Click on Call from the menu	Open call page	Call page opened	Pass
3.3	Select specific call to modify	Form filled with existing data is shown	Form filled with existing data is shown	Pass
3.4	Admin (RECO) makes changes	Form is filled with new data	Form is filled with new data	Pass
3.5	Admin (RECO) submits changes	Changes are saved	Changes are saved	Pass
3.6	Some fields are incorrectly filled in	Alert about incorrectly filled fields is shown	Alert about incorrectly filled fields is shown	Pass

Table 5. Edit Existing Call test case

Test Name: Test Case 04: **Remove Call**
Description: Call is removed.
Prerequisites: 1. Admin (RECO) has created call

Step	Operator Action	Expected Results	Observed Results	Pass/ Fail
4.1	Put mouse on Calls drop-down menu in back office	Drop-down menu will show the contents	Drop-down menu will show the contents.	Pass
4.2	Click on Call from the menu	List of all calls should be shown	List of all calls is shown	Pass
4.3	Select specific call to remove	Call is removed	Call is removed	Pass

Table 6. Remove Call test case

Test Name: Test Case 05: **Add New Application to the Call**
Description: Admin (RECO) should be able to add new application for the call.
Prerequisites: 1. Admin (RECO) has access to back office

Step	Operator Action	Expected Results	Observed Results	Pass/ Fail
5.1	Put mouse on Application drop-down menu in back office	Drop-down menu will show the contents	Drop-down menu will show the contents.	Pass
5.2	Click on applications from the menu	Open Applications page	Applications page opened	Pass
5.3	Admin (RECO) clicks new application	“New Application” empty form is displayed	“New Application” empty form is opened	Pass
5.4	Admin (RECO) fills in the form	All required fields are marked with a star	All required fields are marked with a star	Pass
5.5	Admin (RECO) submits filled form	Application is created and added to the list of all applications	Application is created and added to list of all applications	Pass
5.6	Requested fields are incorrectly filled in	Alert about incorrectly filled fields is shown	Alert about incorrectly filled fields is shown	Pass

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Table 7. Add New Application to the Call test case

Test Name: Test Case 06: **View all call's applications**
Description: All applications related to selected call are listed.
Prerequisites: 1. Admin (RECO) has created call
2. Researcher applied for a call

Step	Operator Action	Expected Results	Observed Results	Pass/ Fail
6.1	Put mouse on Application drop-down menu in back office.	Drop-down menu will show the contents.	Drop-down menu will show the contents.	Pass
6.2	Click on applications from menu	List of all calls application is shown	List of all calls application is shown	Pass

Table 8. View all call's applications

Test Name: Test Case 07: **Grant certain application**
Description: Application is granted and new project is automatically created.
Prerequisites: 1. Admin (RECO) has created call
2. Researcher applied for a call

Step	Operator Action	Expected Results	Observed Results	Pass/ Fail
7.1	Put mouse on Application drop-down menu in back office.	Drop-down menu will show the contents	Drop-down menu will show the contents.	Pass
7.2	Click on applications from menu	List of all calls application is shown	List of all calls application is shown	Pass
7.3	Select specific application to grant	Application status should be updated and automatically create new project from the granted application	Application status should be updated and automatically create new project from the granted application	Pass

Table 9. Grant certain application test case

Test Name: Test Case 08: **Convert granted application to a new project**
Description: New project is automatically created from application.
Prerequisites: 1. There is granted application

Step	Operator Action	Expected Results	Observed Results	Pass/ Fail
8.1	Put mouse on Application drop-down menu in back office.	Drop-down menu will show the contents	Drop-down menu will show the contents.	Pass
8.2	Click on applications from menu	List of all calls application is shown	List of all calls application is shown	Pass
8.3	Select specific application to grant	Application status should be updated	Application status is updated	Pass
8.4.	Granted application is automatically converted into the new project and stored	New project is created from the granted application.	New project is created from the granted application.	Pass

Table 10. Convert granted application to a new project test case

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Test Name: Test Case 09: **Publish granted application on news page**
Description: Granted application automatically generates news about it on the news page.
Prerequisites: 1. There is granted application

Step	Operator Action	Expected Results	Observed Results	Pass/ Fail
9.1	Application is granted	News about the application is automatically created and published in front-office	Application is granted and news are generated	Pass

Table 11. Publish granted application on news page test case

Test Name: Test Case 10: **Generate report about all call's applications**
Description: Admin (RECO) can create and save report about all applications
Prerequisites: 1. Call is created

Step	Operator Action	Expected Results	Observed Results	Pass/ Fail
10.1	Put mouse on Application drop-down menu in back office.	Drop-down menu will show the contents.	Drop-down menu will show the contents.	Pass
10.2	Click on applications from menu	List of all calls application is shown	List of all calls application is shown	Pass
10.3	Select filtering and/or sorting parameters	List of filtered calls applications in shown	List of filtered calls applications in shown	Pass
10.4	In the upper right corner click on export	Export all calls information to CSV	All call information are exported to CSV	Pass

Table 12. Generate report about all call's applications test case

Test Name: Test Case 11: **Filter fields that will appear in report**
Description: Admin (RECO) can choose which fields will be in report
Prerequisites: 1. Call is created

Step	Operator Action	Expected Results	Observed Results	Pass/ Fail
11.1	Put mouse on funding agencies drop-down menu in back office.	Drop-down menu will show the contents.	Drop-down menu is shown content.	Pass
11.2	Click on funding agencies from menu	List of all information about funding agencies is shown	List of all information about funding agencies is shown	Pass
11.3	Select filtering and/or sorting parameters	List of filtered funding agencies in shown	List of filtered funding agencies in shown	Pass
11.4	In the upper right corner click on export	Export all calls information to CSV	All call information are exported to CSV	Pass

Table 13. Filter fields that will appear in report test case

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Test Name: Test Case 12: **Deny certain application**
Description: Admin (RECO) can choose which fields will be in report
Prerequisites: 1. Call is created

Step	Operator Action	Expected Results	Observed Results	Pass/ Fail
12.1	Admin (RECO) selects application that it wants to deny	Details about the application are shown	Details about the application are shown	Pass
12.2	Admin (RECO) denies selected application	Application is denied	Application is denied	Pass

Table 14. Deny certain application test case

3.1 Researcher

Test Name: Test Case 13: **View All Calls**
Description: Researcher opens a page with all calls
Prerequisites: -

Step	Operator Action	Expected Results	Observed Results	Pass/ Fail
13.1	Put mouse on Calls drop-down menu in back office.	Drop-down menu will show the contents.	Drop-down menu is shown content.	Pass
13.2	Click on Call from the menu to view all calls	List of all calls is shown	List of all calls is shown	Pass

Table 15. View All Calls test case

Test Name: Test Case 14: **Filter and sort calls dynamically**
Description: Filtered and/or sorted calls are shown
Prerequisites: There is at least one call

Step	Operator Action	Expected Results	Observed Results	Pass/ Fail
14.1	Put mouse on Calls drop-down menu in back office.	Drop-down menu will show the contents.	Drop-down menu is shown content.	Pass
14.2	Click on Call from the menu	Opened call page	Call page is opened	Pass
14.3	Select filtering and/or sorting parameters	List of filtered calls is shown	List of filtered calls is shown	Pass

Table 16. Filter and sort calls dynamically test case

Test Name: Test Case 15: **View details about specific call**
Description: Details about specific call are shown
Prerequisites: There is at least one call

Step	Operator Action	Expected Results	Observed Results	Pass/ Fail
15.1	Put mouse on Calls drop-	Drop-down menu will	Drop-down menu is	Pass

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	down menu in back office.	show the contents.	shown content.	
15.2	Click on Call from the menu	Opened call page	Call page is opened	Pass
15.3	Click on specific call to view the details	Details of specific call should be shown	Details of specific call is shown	Pass

Table 17. View details about specific call test case

Test Name: Test Case 16: **Storing application's forms**
Description: All created applications are saved and stored
Prerequisites: There is at least one call

Step	Operator Action	Expected Results	Observed Results	Pass/ Fail
16.1	Put mouse on Application drop-down menu in back office	Drop-down menu will show the contents.	Drop-down menu is shown content.	Pass
16.2	Click on Applications from menu	Opened Applications page	Application page is opened	Pass
16.3	In the upper right corner click on Add new button.	A new page should be opened with few fields and drop-down menus for the entry	The new page is opened with few fields and drop-down menus for the entry	Pass
16.4	Fill all the required fields and hit the save button on the upper right corner	Applications page with the information in the upper part: "Creation successful" and with new entry showed.	Applications page with the information in the upper part: "Creation successful" and with new entry showed.	Pass

Table 18. Storing application's forms

Test Name: Test Case 17: **Viewing and generating reports about the call**
Description: Viewing and generating reports about the call
Prerequisites: Admin (RECO) has created call

Step	Operator Action	Expected Results	Observed Results	Pass/ Fail
17.1	Put mouse on Calls drop-down menu in back office.	Drop-down menu will show the contents.	Drop-down menu will show the contents.	Pass
17.2	Click on call from menu	Opened Call page	Call page is opened	Pass
17.3	In the upper right corner click on export	Export all calls information to CSV	All call information are exported to CSV	Pass

Table 19. Viewing and generating reports about the call

Test Name: Test Case 18: **Custom filters and possibility to export results to excel**
Description: Custom filters and possibility to export results to excel
Prerequisites:

Step	Operator Action	Expected Results	Observed Results	Pass/ Fail
18.1	Admin (RECO) clicks on	New download	New download	Fail

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	button export.	window is open with question for filename.	window is open with question for filename.	
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Table 20. Custom filters and possibility to export results to excel

Test Name: Test Case 19: **Custom filter - option to choose which fields to return**

Description: Custom filter - option to choose which fields to return

Prerequisites:

Step	Operator Action	Expected Results	Observed Results	Pass/ Fail
19.1	Admin (RECO) selects fields that have to be returned	Filtered view of the call/application are shown	Filtered view of the call/application are shown	Fail

Table 21. Custom filter - option to choose which fields to return

Test Name: Test Case 20: **Add new call type**

Description: Add new call type

Prerequisites:

Step	Operator Action	Expected Results	Observed Results	Pass/ Fail
20.1	Put mouse on Calls drop-down menu in back office	Drop-down menu will show the contents	Drop-down menu is shown content	Pass
20.2	Click on call type from menu	Opened call types page	Call type page is opened	Pass
20.3	In the upper right corner click on Add new button	A new page should be opened with a field for the entry	The new page is opened with a field for the entry	Pass
20.4	Fill in the field and click Save button in the upper right corner	Call type page with the information in the upper part: "Creation successful" and with new entry showed	Call type page with the information in the upper part: "Creation successful" and with new entry showed	Pass

Table 22. Add new call type

Test Name: Test Case 21: **Add new call status**

Description: Add new call status

Prerequisites:

Step	Operator Action	Expected Results	Observed Results	Pass/ Fail
32. 1.	Put mouse on Calls drop-down	Drop-down menu will	Drop-down menu is	Pass

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	menu in back office	show the contents	shown content	
32.2	Click on Call Statuses from menu	Opened Call Statuses page	Call Statuses page is opened	Pass
32.3	In the upper right corner click on Add new button	A new page should be opened with a field for the entry	The new page is opened with a field for the entry	Pass
32.4	Fill in the field and click Save button in the upper right corner	Call Statuses page with the information in the upper part: "Creation successful" and with new entry showed	Call Statuses page with the information in the upper part: "Creation successful" and with new entry showed	Pass

Table 23. Add new call status

Test Name: Test Case 22: Add attachment to the call

Description: Add attachment to the call

Prerequisites:

Step	Operator Action	Expected Results	Observed Results	Pass/ Fail
33.1.	Put mouse on Attachments drop-down menu in back office and click on Attachments	Opened Attachments page	Attachments page is opened	Pass
33.2	In the upper right corner click on Add new button	A new page should be opened with a fields for the entry and field for file upload	The new page is opened with a fields for the entry and field for file upload	Pass
33.3	Fill in the field, choose file for upload and click Save button in the upper right corner	Attachments page with the information in the upper part: "Creation successful" and with new entry showed	Attachments page with the information in the upper part: "Creation successful" and with new entry showed	Pass
33.4	Put mouse on Calls drop-down menu in back office and click on Call Attachment	Opened Call Attachment page	Call Attachment page is opened	Pass
33.5	In the upper right corner click on Add new button	A new page should be opened with two drop-down menu and one date picker	A new page is opened with two drop-down menu and one date picker	Pass

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33.6	Choose the desired Call, Attachment, date and click Save button in the upper right corner click	Call Attachments page with the information in the upper part: "Creation successful" and with new entry showed	Call Attachments page with the information in the upper part: "Creation successful" and with new entry showed	Pass
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Table 24. Add attachment to the call

Test Name: Test Case 23: **Add deadline for the call**

Description: Add deadline for the call

Prerequisites:

Step	Operator Action	Expected Results	Observed Results	Pass/ Fail
34.1.	Put mouse on Calls drop-down menu in back office	Drop-down menu will show the contents	Drop-down menu is shown content	Pass
34.2	Click on Deadlines from menu	Opened Deadlines page	Deadlines page is opened	Pass
34.3	In the upper right corner click on Add new button	A new page should be opened with a field for the entry, drop-down menu, date picker and radio buttons	A new page is opened with a field for the entry, drop-down menu, date picker and radio buttons	Pass
34.4	Fill in and pick required fields and click Save button in upper right corner	Deadlines page with the information in the upper part: "Creation successful" and with new entry showed	Deadlines page with the information in the upper part: "Creation successful" and with new entry showed	Pass

Table 25. Add deadline for the call

Test Name: Test Case 24: **View all attachments for the call**

Description: View all attachments for the call

Prerequisites:

Step	Operator Action	Expected Results	Observed Results	Pass/ Fail
35.1.	Click on Calls from left menu in front office	All Calls should be listed on page	All calls are listed on page	Pass
35.2	Click on desired call from list	All call details should be displayed on page	Call details are displayed	Pass

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35.3	Click on Attachments tab on page	Attachment link and description should be displayed in Attachments tab	Attachment link and description are displayed in Attachments tab	Pass
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Table 26. View all attachments for the call

Test Name: Test Case 25: **Download attachment from the call**

Description: Download attachment from the call

Prerequisites:

Step	Operator Action	Expected Results	Observed Results	Pass/ Fail
36. 1.	Click on Calls from left menu in front office	All Calls should be listed on page	All calls are listed on page	Pass
36.2	Click on desired call from list	All call details should be displayed on page	Call details are displayed	Pass
36.3	Click on Attachments tab on page	Attachment link and description should be displayed in Attachments tab	Attachment link and description are displayed in Attachments tab	Pass
36.4	Click on link in Attachment tab	Document download should start automatically	Document download has started automatically	Pass

Table 27. Download attachment from the call

Test Name: Test Case 26: **Add new application status**

Description: Add new application status

Prerequisites:

Step	Operator Action	Expected Results	Observed Results	Pass/ Fail
37. 1.	Put mouse on Application drop-down menu in back office	Drop-down menu will show the contents	Drop-down menu is shown content	Pass
37.1.	Click on Application Statuses from menu	Opened Application Statuses page	Application Statuses page is opened	Pass
37.1	In the upper right corner click on Add new button	A new page should be opened with a field for the entry	The new page is opened with a field for the entry	Pass
	Fill in the field and click Save button in the upper right corner	Application Statuses page with the information in the upper part: "Creation	Call Statuses page with the information in the upper part: "Creation	Pass

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		successful" and with new entry showed	successful" and with new entry showed	
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Table 28. Add new application status

Test Name: Test Case 27: **Add attachment to the application**

Description: Add attachment to the application

Prerequisites:

Step	Operator Action	Expected Results	Observed Results	Pass/ Fail
38.1.	Put mouse on Attachments drop-down menu in back office and click on Attachments	Opened Attachments page	Attachments page is opened	Pass
38.2	In the upper right corner click on Add new button	A new page should be opened with a fields for the entry and field for file upload	The new page is opened with a fields for the entry and field for file upload	Pass
38.3	Fill in the field, choose file for upload and click Save button in the upper right corner	Attachments page with the information in the upper part: "Creation successful" and with new entry showed	Attachments page with the information in the upper part: "Creation successful" and with new entry showed	Pass
38.4	Put mouse on Applications drop-down menu in back office and click on Application Attachment	Opened Application Attachment page	Application Attachment page is opened	Pass
38.5	In the upper right corner click on Add new button	A new page should be opened with two drop-down menu, description field and one date picker	A new page is opened with two drop-down menu, description field and one date picker	Pass
38.6	Choose the desired application, attachment, fill in description, pick a date and click Save button in the upper right corner click	Application Attachments page with the information in the upper part: "Creation successful" and with new entry showed	Application Attachments page with the information in the upper part: "Creation successful" and with new entry showed	Pass

Table 29. Add attachment to the application

Test Name: Test Case 28: **View all attachments for the application**

Description: View all attachments for the application

Call Calendar	Version: 1.0
Test Report	Date: 2015-01-12

Prerequisites:

Step	Operator Action	Expected Results	Observed Results	Pass/ Fail
39.1.	Put mouse on Application drop-down menu in back office	Drop-down menu will show the contents	Drop-down menu is shown content	Pass
39.2	Click on Application attachments from menu	Opened Application attachments page	Application attachments page is opened	Pass
39.3	Pick Application from drop-down menu to see attachment if any exist	Show attachments on page	Show attachments on page	Pass

Table 30. View all attachments for the application

Test Name: Test Case 29: **Add funding program**

Description: Add funding program

Prerequisites:

Step	Operator Action	Expected Results	Observed Results	Pass/ Fail
40.1.	Put mouse on Funding Agencies drop-down menu in back office	Drop-down menu will show the contents	Drop-down menu is shown content	Pass
40.2.	Click on Funding program from menu	Opened Funding program page	Funding program page is opened	Pass
40.3	In the upper right corner click on Add new button	A new page should be opened with one field and one drop-down menu	A new page is opened with one field and one drop-down menu	Pass
40.4	Fill in the field, pick Admin (RECO) and click Save button in the upper right corner	Funding Program page with the information in the upper part: "Creation successful" and with new entry showed	Funding Program page with the information in the upper part: "Creation successful" and with new entry showed	Pass

Table 31. Add funding program

Test Name: Test Case 30: **Edit existing call**

Description: Edit existing call

Call Calendar	Version: 1.0
Test Report	Date: 2015-01-12

Prerequisites:

Step	Operator Action	Expected Results	Observed Results	Pass/ Fail
41. 1.	Put mouse on Call drop-down menu in back office	Drop-down menu will show the content	Drop-down menu is shown content	Pass
	Click on Call from menu	Opened Call page	Call page is opened	Pass
	Click on one of the calls listed below	Edit page should be opened with a field for the entry	Edit page is opened with a field for the entry	Pass
	After editing is done click Save button in upper right corner	Call page with the information in the upper part: "Update successful"	Call page with the information in the upper part: "Update successful"	Pass

Table 32. Edit existing call

Test Name: Test Case 31: **Deny a certain application**

Description: Deny a certain application

Prerequisites:

Step	Operator Action	Expected Results	Observed Results	Pass/ Fail
42. 1.	Put mouse on Application drop-down menu in back office	Drop-down menu will show the content	Drop-down menu is shown content	Pass
	Click on Application from menu	Opened Application page	Application page is opened	Pass
	Click on one of the applications listed below	Edit page should be opened with a field for the entry	Edit page is opened with a field for the entry	Pass
	Click on application status drop-down menu and select Declined	Applications page with the information in the upper part: "Update successful"	Application page with the information in the upper part: "Update successful"	Pass

Table 33. Deny a certain application

Test Name: Test Case 32: **Edit existing application**

Description: Edit existing application

Prerequisites:

Step	Operator Action	Expected Results	Observed Results	Pass/ Fail
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Call Calendar	Version: 1.0
Test Report	Date: 2015-01-12

43.1.	Put mouse on Application drop-down menu in back office	Drop-down menu will show the content	Drop-down menu is shown content	Pass
43.2	Click on Application from menu	Opened Application page	Application page is opened	Pass
43.3	Click on one of the applications listed below	Edit page should be opened with a field for the entry	Edit page is opened with a field for the entry	Pass
43.4	After editing is done click Save button in upper right corner	Applications page with the information in the upper part: "Update successful"	Application page with the information in the upper part: "Update successful"	Pass

Table 34. Edit existing application

Test Name: Test Case 33: **Remove existing application**

Description: Remove existing application

Prerequisites:

Step	Operator Action	Expected Results	Observed Results	Pass/ Fail
44.1.	Put mouse on Application drop-down menu in back office	Drop-down menu will show the contents	Drop-down menu will show the contents	Pass
44.2	Click on applications from menu	Opened Applications page	Applications page is opened	Pass
44.3	Remove specific applications	Changes are saved	Changes are saved	Pass

Table 35. Remove existing application

Test Name: Test Case 34: **Edit existing call type**

Description: Edit existing call type

Prerequisites:

Step	Operator Action	Expected Results	Observed Results	Pass/ Fail
45.1.	Put mouse on Calls drop-down menu in back office	Drop-down menu will show the contents	Drop-down menu is shown content	Pass
45.2	Click on call type from menu	Opened call types page	Call type page is opened	Pass
45.3	Click on specific call type to	Form filled with	Form filled with	Pass

Call Calendar	Version: 1.0
Test Report	Date: 2015-01-12

	edit	existing data is shown	existing data is shown	
45.4	Modify existing call type	Form is filled with new data	Form is filled with new data	Pass
45.5	Submit changes	Changes are saved	Changes are saved	Pass
45.6	Some fields are incorrectly filled in	Alert about incorrectly filled fields are shown	Alert about incorrectly filled fields are shown	Pass

Table 36. Edit existing call type

Test Name: Test Case 35: **Remove existing call type**

Description: Remove existing call type

Prerequisites:

Step	Operator Action	Expected Results	Observed Results	Pass/ Fail
46. 1.	Put mouse on Calls drop-down menu in back office	Drop-down menu will show the contents	Drop-down menu is shown content	Pass
46.2	Click on call type from menu	Opened call types page	Call type page is opened	Pass
46.3	Remove specific call type	Changes are saved	Changes are saved	Pass

Table 37. Remove existing call type

Test Name: Test Case 36: **Edit existing call status**

Description: Edit existing call status

Prerequisites:

Step	Operator Action	Expected Results	Observed Results	Pass/ Fail
47. 1.	Put mouse on Calls drop-down menu in back office	Drop-down menu will show the contents	Drop-down menu is shown content	Pass
47.2	Click on Call Statuses from menu	Opened Call Statuses page	Call Statuses page is opened.	Pass
47.3	Click on specific call status to edit	Form filled with existing data is shown	Form filled with existing data is shown	Pass
47.4	Modify existing call status	Form is filled with new data	Form is filled with new data	Pass
47.5	Submit changes	Changes are saved	Changes are saved	Pass
47.6	Some fields are incorrectly	Alert about incorrectly	Alert about	Pass

Call Calendar	Version: 1.0
Test Report	Date: 2015-01-12

	filled in	filled fields are shown	incorrectly filled fields are shown	
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Table 38. Edit existing call status

Test Name: Test Case 37: **Remove existing call status**

Description: Remove existing call status

Prerequisites:

Step	Operator Action	Expected Results	Observed Results	Pass/ Fail
48. 1.	Put mouse on Calls drop-down menu in back office	Drop-down menu will show the contents	Drop-down menu is shown content	Pass
48.2	Click on Call Statuses from menu	Opened Call Statuses page	Call Statuses page is opened.	Pass
48.3	Remove specific call status	Changes are saved	Changes are saved	Pass

Table 39. Remove existing call status

Test Name: Test Case 38: **Edit existing application status**

Description: Edit existing application status

Prerequisites:

Step	Operator Action	Expected Results	Observed Results	Pass/ Fail
49. 1.	Put mouse on Application drop-down menu in back office	Drop-down menu will show the contents	Drop-down menu is shown content	Pass
49.2	Click on Application Statuses from menu	Opened Application Statuses page	Application Statuses page is opened	Pass
49.3	Click on specific application status to edit	Form filled with existing data is shown	Form filled with existing data is shown	Pass
49.4	Modify existing application status	Form is filled with new data	Form is filled with new data	Pass
49.5	Submit new changes	Changes are saved	Changes are saved	Pass
49.6	Some fields are incorrectly filled in	Alert about incorrectly filled fields are shown	Alert about incorrectly filled fields are shown	Pass

Table 40. Edit existing application status

Test Name: Test Case 39: **Remove existing application status**

Description: Remove existing application status

Call Calendar	Version: 1.0
Test Report	Date: 2015-01-12

Prerequisites:

Step	Operator Action	Expected Results	Observed Results	Pass/ Fail
50. 1.	Put mouse on Application drop-down menu in back office	Drop-down menu will show the contents	Drop-down menu is shown content	Pass
50.2	Click on Application Statuses from menu.	Opened Application Statuses page.	Application Statuses page is opened.	Pass
50.3	Remove specific application status.	Changes are saved.	Changes are saved.	Pass

Table 41. Remove existing application status

Test Name: Test Case 40: **Edit existing attachment of the call**

Description: Edit existing attachment of the call

Prerequisites:

Step	Operator Action	Expected Results	Observed Results	Pass/ Fail
51. 1.	Click on Calls from left menu in front office	All Calls should be listed on page	All calls are listed on page	Pass
51.2	Click on desired call from list	All call details should be displayed on page	All call details should be displayed on page	Pass
51.3	Click on desired call from list	Attachment link and description should be displayed in Attachments tab	Attachment link and description should be displayed in Attachments tab	Pass
51.4	Click on specific attachment of the call to edit	Form filled with existing data is shown	Form filled with existing data is shown	Pass
51.5	Modify existing attachment of the call	Form is filled with new data	Form is filled with new data	Pass
51.6	Submit new changes	Changes are saved	Changes are saved	Pass
51.7	Some fields are incorrectly filled in	Alert about incorrectly filled fields are shown	Alert about incorrectly filled fields are shown	Pass

Table 42. Edit existing attachment of the call

Test Name: Test Case 41: **Remove existing attachment of the call**

Description: Remove existing attachment of the call

Prerequisites:

Call Calendar	Version: 1.0
Test Report	Date: 2015-01-12

Step	Operator Action	Expected Results	Observed Results	Pass/ Fail
52. 1.	Click on Calls from left menu in front office	All Calls should be listed on page	All calls are listed on page	Pass
52.2	Click on desired call from list	All call details should be displayed on page	All call details should be displayed on page	Pass
52.3	Click on Attachments tab on page	Attachment link and description should be displayed in Attachments tab	Attachment link and description should be displayed in Attachments tab	Pass
52.4	Remove existing attachment of the call	Changes are saved	Changes are saved	Pass

Table 43. Remove existing attachment of the call

Test Name: Test Case 42: **Edit existing deadline for the call**

Description: Edit existing deadline for the call

Prerequisites:

Step	Operator Action	Expected Results	Observed Results	Pass/ Fail
53. 1.	Put mouse on Calls drop-down menu in back office	Drop-down menu will show the contents	Drop-down menu will show the contents	Pass
53.2	Click on Deadlines from menu	Opened Deadlines page	Opened Deadlines page	Pass
53.3	Click on specific call to edit the existing deadline	Form filled with existing data is shown	Form filled with existing data is shown	Pass
53.4	Modify deadline for the call	Form is filled with new data	Form is filled with new data	Pass
53.5	Submit new changes	Changes are saved	Changes are saved	Pass
53.6	Some fields are incorrectly filled in	Alert about incorrectly filled fields are shown	Alert about incorrectly filled fields are shown	Pass

Table 44. Edit existing deadline for the call

Test Name: Test Case 43: **Remove existing deadline for the call**

Description: Remove existing deadline for the call

Prerequisites:

Call Calendar	Version: 1.0
Test Report	Date: 2015-01-12

Step	Operator Action	Expected Results	Observed Results	Pass/ Fail
54. 1.	Put mouse on Calls drop-down menu in back office	Drop-down menu will show the contents	Drop-down menu will show the contents	Pass
54.2	Click on Deadlines from menu	Opened Deadlines page	Opened Deadlines page	Pass
54.3	Select specific deadline for the call to remove	Detail of specific deadline for the call is shown	Detail of specific deadline for the call is shown	Pass
54.4	Remove existing deadline for the call	Changes are saved	Changes are saved	Pass

Table 45. Remove existing deadline for the call

Test Name: Test Case 44: **Edit existing attachment of the application**

Description: Edit existing attachment of the application

Prerequisites:

Step	Operator Action	Expected Results	Observed Results	Pass/ Fail
55. 1.	Put mouse on Attachment drop-down menu in back office and click on Attachment	Open Attachment page	Open Attachment page	Pass
55.2	Click on specific attachment to edit	Details of specific attachment with data and file is shown	Details of specific attachment with data and file is shown	Pass
55.3	Modify existing data or file	Form is filled with new data and file	Form is filled with new data and file	Pass
55.4	Submit new changes	Changes are saved	Changes are saved	Pass
55.5	Some fields are incorrectly filled in	Alert about incorrectly filled fields are shown	Alert about incorrectly filled fields are shown	Pass

Table 46. Edit existing attachment of the application

Test Name: Test Case 45: **Remove existing attachment of the application**

Description: Remove existing attachment of the application

Prerequisites:

Step	Operator Action	Expected Results	Observed Results	Pass/ Fail
56. 1.	Put mouse on Application	Open application page	Open application	Pass

Call Calendar	Version: 1.0
Test Report	Date: 2015-01-12

	drop-down menu in back office and click on Application		page	
56.2	Click on desired application to edit application attachment	Form filled with existing data is shown	Form filled with existing data is shown	Pass
56.3	Remove existing application attachment.	Attachment is removed	Attachment is removed.	Pass
56.4	Submit new changes.	Changes are saved.	Changes are saved.	Pass

Table 47. Remove existing attachment of the application

Test Name: Test Case 46: **Edit existing attachment of the application to the deadline**

Description: Edit existing attachment of the application to the deadline

Prerequisites:

Step	Operator Action	Expected Results	Observed Results	Pass/ Fail
57.1	Put mouse on Attachments drop-down menu in back office and click on Attachments.	Open attachment page.	Open attachment page.	Pass
57.2	Click on desired application attachment to edit	Form filled with existing data and file is shown	Form filled with existing data and file is shown	Pass
57.3	Modify existing application attachment.	Form is filled with new data.	Form is filled with new data.	Pass
57.4	Submit new changes.	Changes are saved.	Changes are saved.	Pass
57.5	Some fields are incorrectly filled in.	Alert about incorrectly filled fields are shown.	Alert about incorrectly filled fields are shown.	Pass

Table 48. Edit existing attachment of the application to the deadline

Test Name: Test Case 47: **Edit existing funding program**

Description: Edit existing funding program

Prerequisites: Admin (RECO) has access to the back office

Step	Operator Action	Expected Results	Observed Results	Pass/ Fail
58.1	Click on desired funding program to edit one.	Form filled with existing data is shown.	Form filled with existing data is shown	Pass
58.2	Modify existing funding program	Form is filled with new data	Form is filled with new data	Pass

Call Calendar	Version: 1.0
Test Report	Date: 2015-01-12

58.3	Submit new changes	Changes are saved	Changes are saved	Pass
58.4	Some fields are incorrectly filled in	Alert about incorrectly filled fields are shown	Alert about incorrectly filled fields are shown	Pass

Table 49. Edit existing funding program

Test Name: Test Case 48: **View all applications**

Description: View all applications

Prerequisites: Admin (RECO) has created call

Step	Operator Action	Expected Results	Observed Results	Pass/ Fail
59.1	Put mouse on Application drop-down menu in back office	Drop-down menu will show the contents	Drop-down menu will show the contents	Pass
59.2	Click on applications to view all applications	Details of all applications is shown	Details of all applications is shown	Pass

Table 50. View all applications

Test Name: Test Case 49: **View specific application**

Description: View specific application

Prerequisites: Admin (RECO) has created call

Step	Operator Action	Expected Results	Observed Results	Pass/ Fail
60.1	Put mouse on Application drop-down menu in back office	Drop-down menu will show the contents	Drop-down menu will show the contents	Pass
60.2	Click on applications from menu	Opened applications page	Applications page is opened	Pass
60.3	Click on specific application to view details	Details of specific application is shown	Details of specific application is shown	Pass

Table 51. View specific application

Test Name: Test Case 50: **View all call types**

Description: View all call types

Prerequisites: Admin (RECO) has created call

Step	Operator Action	Expected Results	Observed Results	Pass/ Fail
61.1	Put mouse on Calls drop-down menu in back office	Drop-down menu will show the contents	Drop-down menu is shown content	Pass

Call Calendar	Version: 1.0
Test Report	Date: 2015-01-12

61.2.	Click on calls to view all call type	Details of all calls with call types is shown	Details of all calls with call types is shown	Pass
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Table 52. View all call types

Test Name: Test Case 51: **View specific call type**

Description: View specific call type

Prerequisites: Admin (RECO) has created call

Step	Operator Action	Expected Results	Observed Results	Pass/ Fail
62.1	Put mouse on Calls drop-down menu in back office	Drop-down menu will show the contents	Drop-down menu is shown content	Pass
62.2	Click on Calls from menu	Opened calls page	Calls page is opened	Pass
62.3	Select specific call to view the call type	Details of specific call with call type is shown	Details of specific call with call type is shown	Pass

Table 53. View specific call type

Test Name: Test Case 52: **View all call statuses**

Description: View all call statuses

Prerequisites: Admin (RECO) has created call

Step	Operator Action	Expected Results	Observed Results	Pass/ Fail
63.1	Put mouse on Calls drop-down menu in back office	Drop-down menu will show the contents	Drop-down menu is shown content	Pass
63.2	Click on Calls from menu to view all calls statuses	Details of all calls with statuses is shown	Details of all calls with statuses is shown	Pass

Table 54. View all call statuses

Test Name: Test Case 53: **View specific call status**

Description: View specific call status

Prerequisites: Admin (RECO) has created call

Step	Operator Action	Expected Results	Observed Results	Pass/ Fail
64.1	Put mouse on Calls drop-down menu in back office	Drop-down menu will show the contents	Drop-down menu is shown content	Pass
64.2	Click on Calls from menu	Opened calls page	Calls page is opened	Pass
64.3.	Select specific call to view the call status	Details about the specific call with status is shown	Details about the specific call with status is shown	Pass

Call Calendar	Version: 1.0
Test Report	Date: 2015-01-12

Table 55. View specific call status

Test Name: Test Case 54: **View all deadlines for the call**
Description: View all deadlines for the call
Prerequisites: Admin (RECO) has created call

Step	Operator Action	Expected Results	Observed Results	Pass/ Fail
65.1	Put mouse on Calls drop-down menu in back office	Drop-down menu will show the contents	Drop-down menu is shown content	Pass
65.2.	Click on deadlines to view all deadline	Details about all deadlines for the call is shown	Details about all deadlines for the call is shown	Pass

Table 56. View all deadlines for the call

Test Name: Test Case 55: **View specific deadline for the call**
Description: View specific deadline for the call
Prerequisites: Admin (RECO) has created call

Step	Operator Action	Expected Results	Observed Results	Pass/ Fail
66.1	Put mouse on Calls drop-down menu in back office	Drop-down menu will show the contents	Drop-down menu is shown content	Pass
66.2	Click on Deadlines from menu	Opened deadlines page	Deadlines page is opened	Pass
66.3.	Select specific call to view the deadline	Details about specific call is shown	Details about specific call is shown	Pass

Table 57. View specific deadline for the call

Test Name: Test Case 56: **View all application statuses**
Description: View all application statuses
Prerequisites: 1. Admin (RECO) has created call
2. Researcher applied for a call

Step	Operator Action	Expected Results	Observed Results	Pass/ Fail
67.1	Put mouse on Application drop-down menu in back office	Drop-down menu will show the contents	Drop-down menu is shown content	Pass
67.2	Click on Applications from menu to view all application status	List of all application statuses is shown	List of all application statuses is shown	Pass

Table 58. View all application statuses

Test Name: Test Case 57: **View specific application status**

Call Calendar	Version: 1.0
Test Report	Date: 2015-01-12

Description: View specific application status
Prerequisites: 1. Admin (RECO) has created call
2. Researcher applied for a call

Step	Operator Action	Expected Results	Observed Results	Pass/ Fail
68.1	Put mouse on Application drop-down menu in back office	Drop-down menu will show the contents	Drop-down menu is shown content	Pass
68.2	Click on Applications from menu	Opened Applications page	Applications page is opened	Pass
68.3	Select specific application to view the status	Details about the application is shown	Details about the application is shown	Pass

Table 59. View specific application status

Test Name: Test Case 58: **View all funding programs**
Description: View all funding programs
Prerequisites:

Step	Operator Action	Expected Results	Observed Results	Pass/ Fail
63.1	Put mouse on Funding Agencies drop-down menu in back office	Drop-down menu will show the contents	Drop-down menu will show the contents	Pass
63.2	Click on funding program from menu to view all funding programs	List of all funding programs is shown	List of all funding programs is shown	Pass

Table 60. View all funding programs

Test Name: Test Case 59: **View specific funding program**
Description: View specific funding program
Prerequisites: There is at least one funding program

Step	Operator Action	Expected Results	Observed Results	Pass/ Fail
70.1	Put mouse on Funding Agencies drop-down menu in back office	Drop-down menu will show the contents	Drop-down menu will show the contents	Pass
70.2	Click on funding program from menu	Opened funding program page	Funding program page is opened	Pass
70.3	Select specific funding program to view	Details about the funding program is displayed	Details about the funding program in displayed	Pass

Table 61. View specific funding program

Call Calendar	Version: 1.0
Test Report	Date: 2015-01-12

4. Functional testing

We use Selenium IDE¹ (Integrated Development Environment) Firefox extension for the purposes of functional testing. When we open extension's window, we can start recording our activities on web pages. Each click, selection, added text or numerical value will be saved in test case. As soon as we finish with desired activities, recording has to be stopped. Saved test case can be played all over again in order to automatically test functionality. We also have a possibility to change values in our test cases. In the following figure are shown test steps captured from the application.

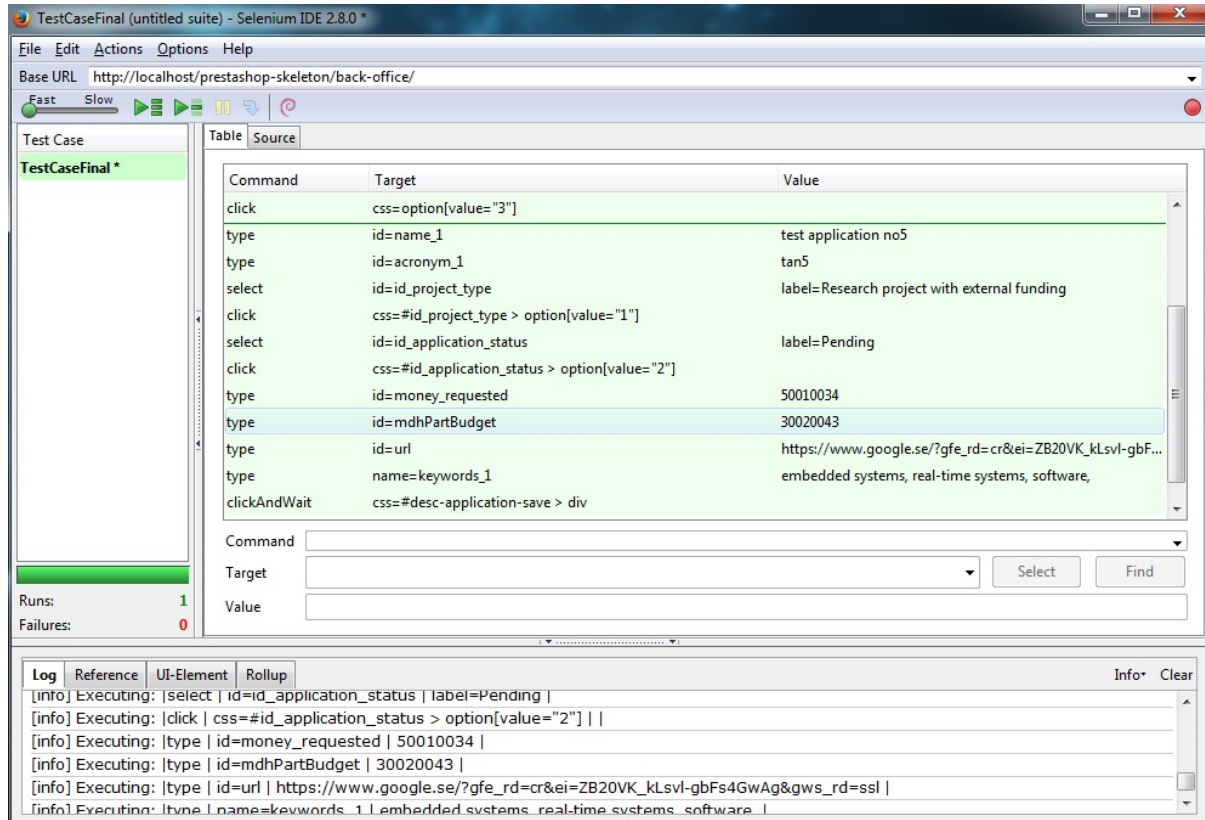


Figure 1. Add application Selenium testing

As it can be seen, in the Table, from the Figure 1., is listed a set of activities that are captured on Add Application page. Green color indicates that each step in testing process is passed. That confirms label Failures that has value 0.

Other test case is shown in the following figure.

¹ <http://www.seleniumhq.org/projects/ide/>

Call Calendar	Version: 1.0
Test Report	Date: 2015-01-12

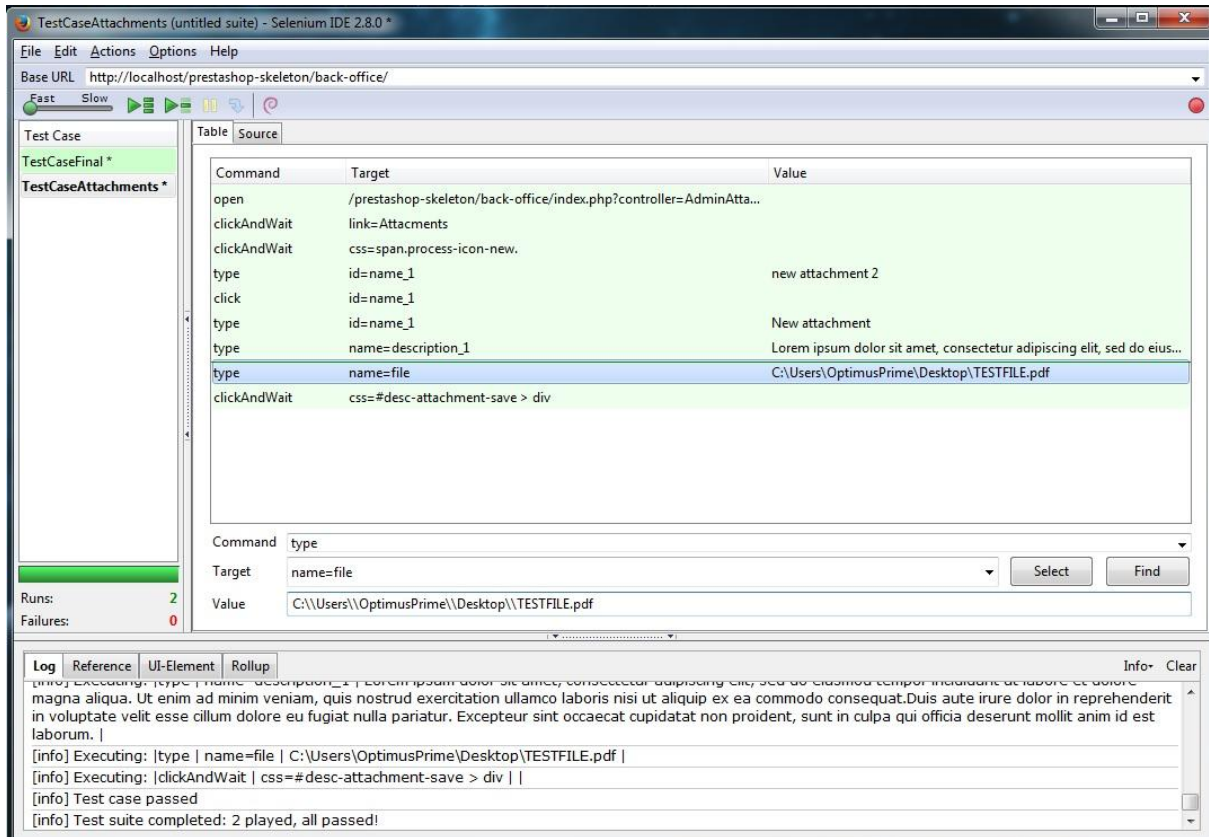


Figure 2. Adding attachment Selenium testing