Storm Cloud Development

**Project CM
UC: Manage calendars**

Version 1.4

Revision History

Date	Version	Description	Author
17/Oct/2013	1.0	Initial UC description	Storm Cloud Development
22/Oct/2013	1.1	Updated diagrams Inserted selenium code Added Mockups	Storm Cloud Development
09/Apr/2014	1.2	Function Points added	Storm Cloud Development
15/Apr/2014	1.3	Updated function points	Storm Cloud Development
19/Jun/2014	1.4	Updated selenium code	Storm Cloud Development

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UC: Manage calendars

1. Use-Case manage calendars

1.1 Brief Description

The use case manage calendars is a CRUD use case. You can create, read, update and delete a calendars' metadata. Except for deleting which also deletes all related data like appointments, the changes only affect the calendars metadata.

1.2 Stored data

1.2.1 Overview

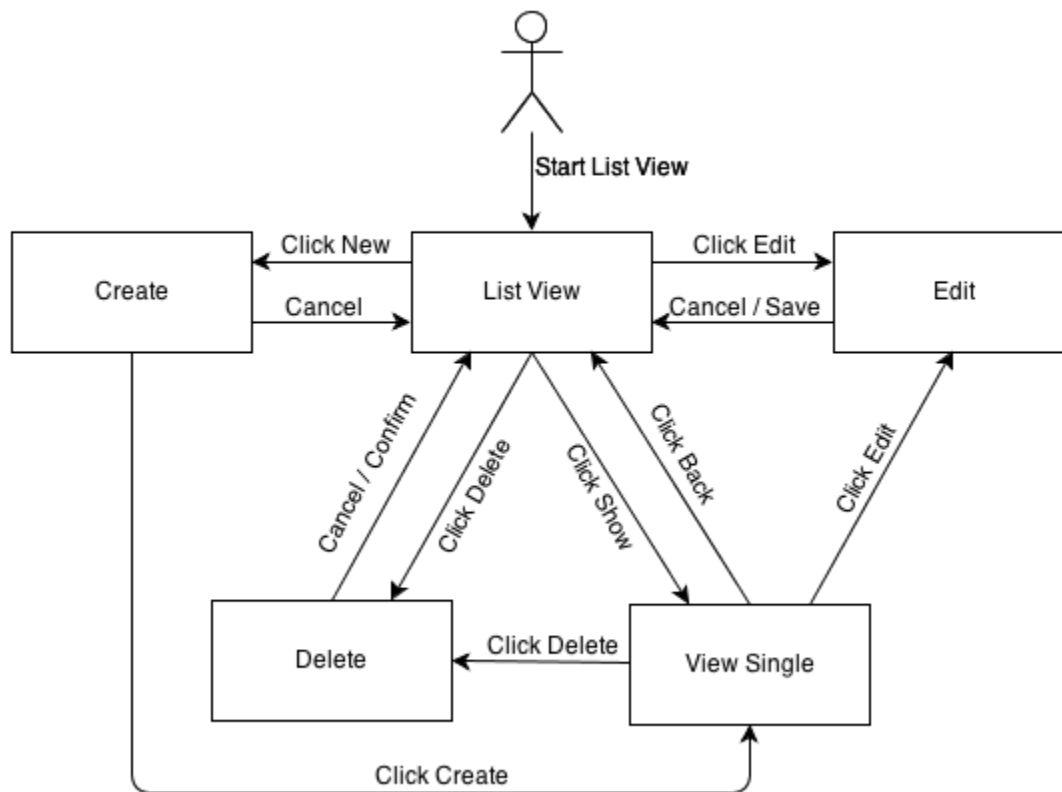| Name	Auto-assigned	Unique	Mandatory	Modifiable
Id	Yes	Yes	Yes	No
Name	No	Yes	Yes	Yes
Description	No	No	Yes	Yes
Color	No	No	Yes	Yes
Creator	Yes	No	Yes	No

1.2.2 Description

The metadata consists of the name of the calendar, a short description and a color for better differentiation when viewing more than one calendar at the same time. Also there is a creator saved, but the creator is automatically set as the user who creates the calendar and it is not possible to change the value later.

2. Flow of Events

2.1 Screen Flow

2.2 Use Case Flows

2.2.1 Show all calendars (List View)
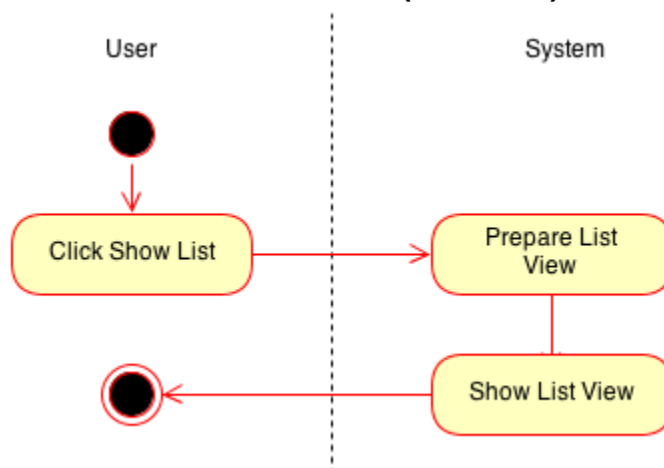
2.2.2 Show single calendar (View Single)

User   System

Click View → Prepare Display Screen → Show Display Screen →
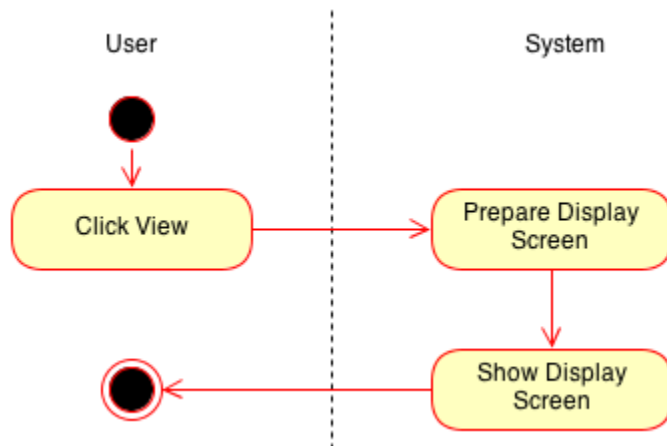
2.2.3 Create new calendar (Create)
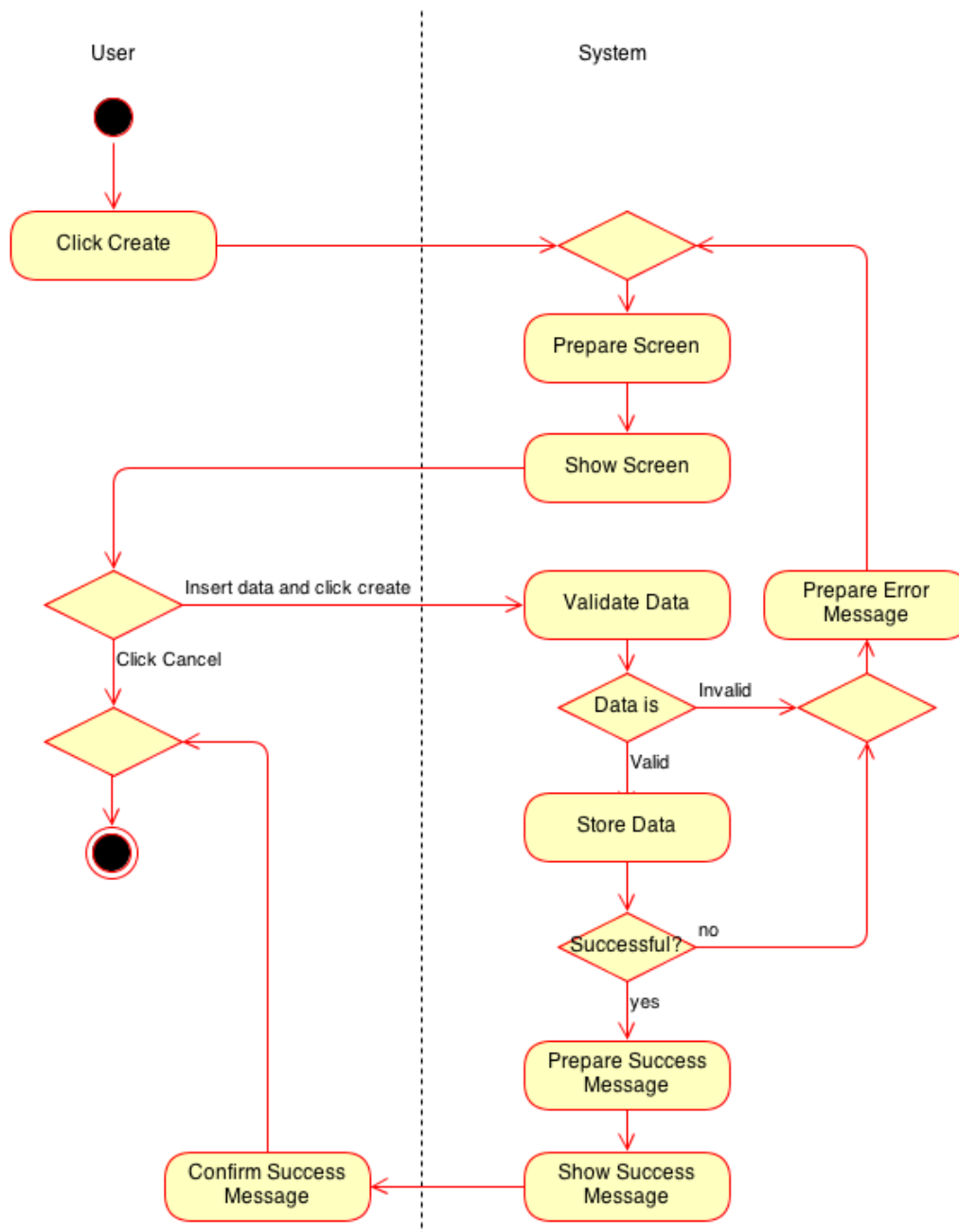
2.2.4 Edit calendar (Edit)

2.2.5 Delete calendar (Delete)

User

System

Click Delete → Prepare Confirmation Screen

Show Confirmation Screen

Click — Confirm → Delete Data

Cancel

Successful? — no → Prepare Error Message

yes

Prepare Success Message

Confirm Message ← Show Message
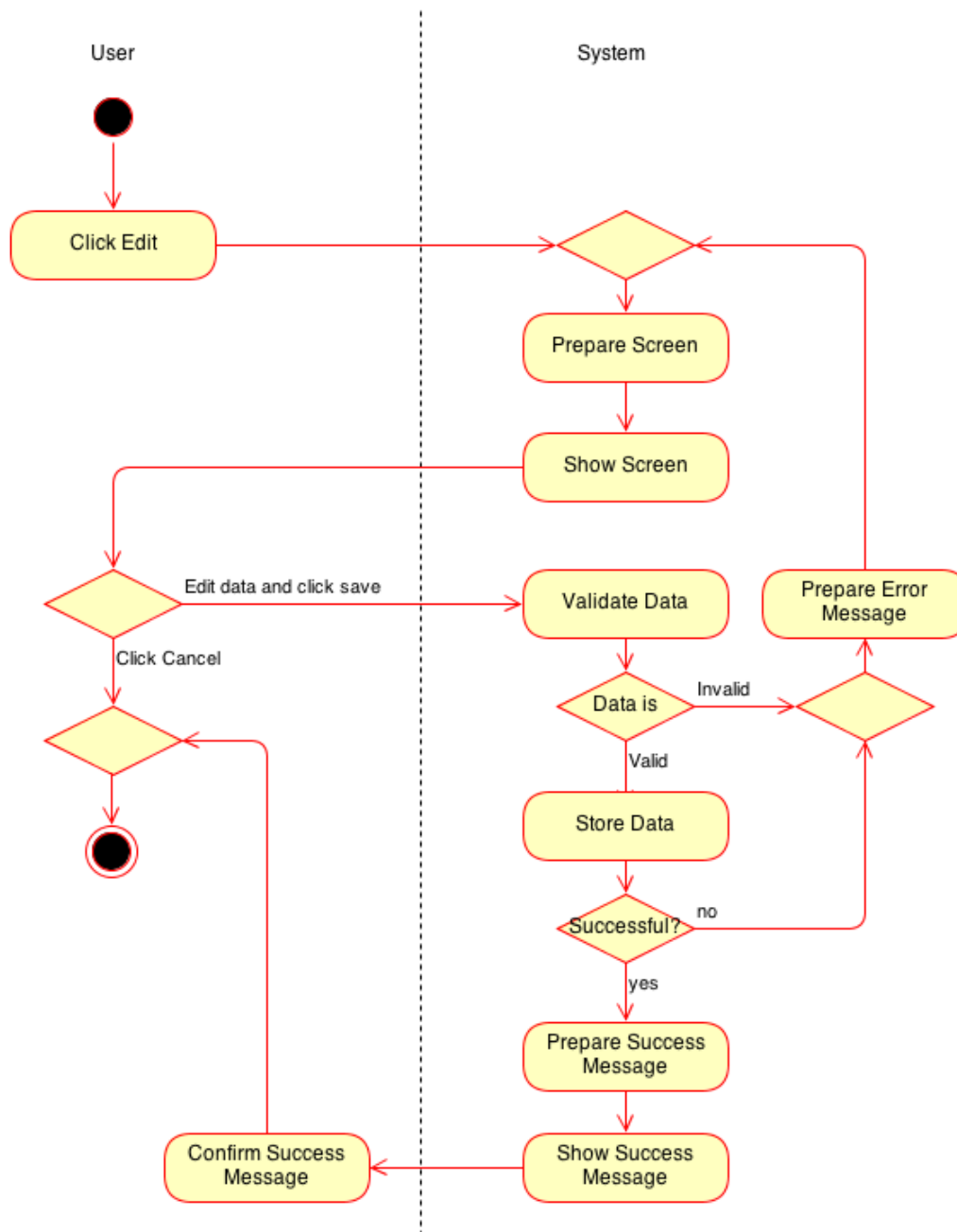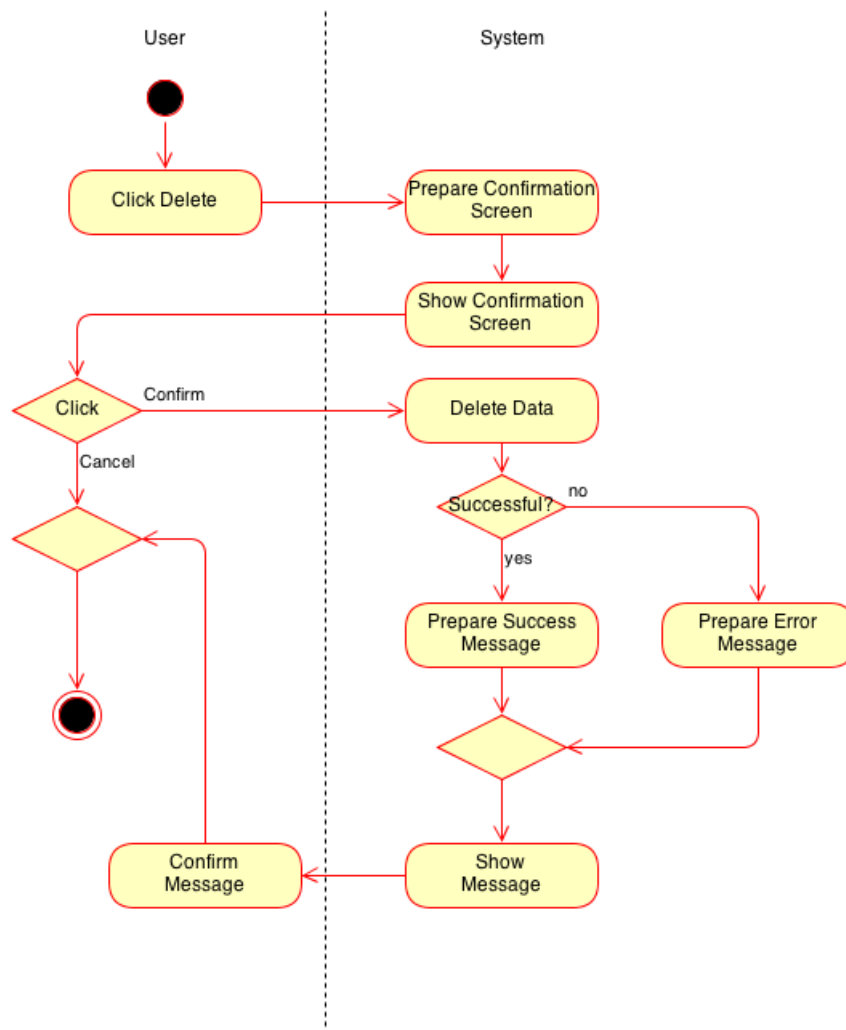
3.   Special Requirements

n/a

4.   Preconditions

4.1 Rights

View/edit/delete/create: The user must have the rights to do the operation.

4.2 Calendar

View/edit/delete: The calendar must exist.

Create: The calendar must not exist.

5.   Postconditions

5.1 Calendar

Edit: The calendar metadata is updated

Delete: The calendar is deleted

Create: The calendar is created

6.   Extension Points

n/a

7.   Selenium test scenario

Scenario 1: create calendar

```
Given I am logged in
  And I am on the "calendar list"
  And I clicked "create calendar"
When I type in the correct calendar data
  And I click "create"
Then I the calendar should be created
```

Scenario 2: delete calendar

```
Given I am logged in
  And I am on the "calendar list"
  And I clicked "delete calendar"
When I confirm the deletion
Then I the calendar should be deleted
```

8. Mockups

8.1 Show all calendars

8.2 Show single calendar

8.3   Create new calendar

8.3.1   Insert data view

8.3.2   Error: Data not correct

8.3.3 Data save failed

project-cm - calendar new

https://project-cm.com/calendar/new

internal error, failed to save data - please try again

Calendar - New

Name

Calendar Name

Description

Description

Color

#FF7500

Save   Cancel

8.3.4 Success: Data stored

project-cm calendar view
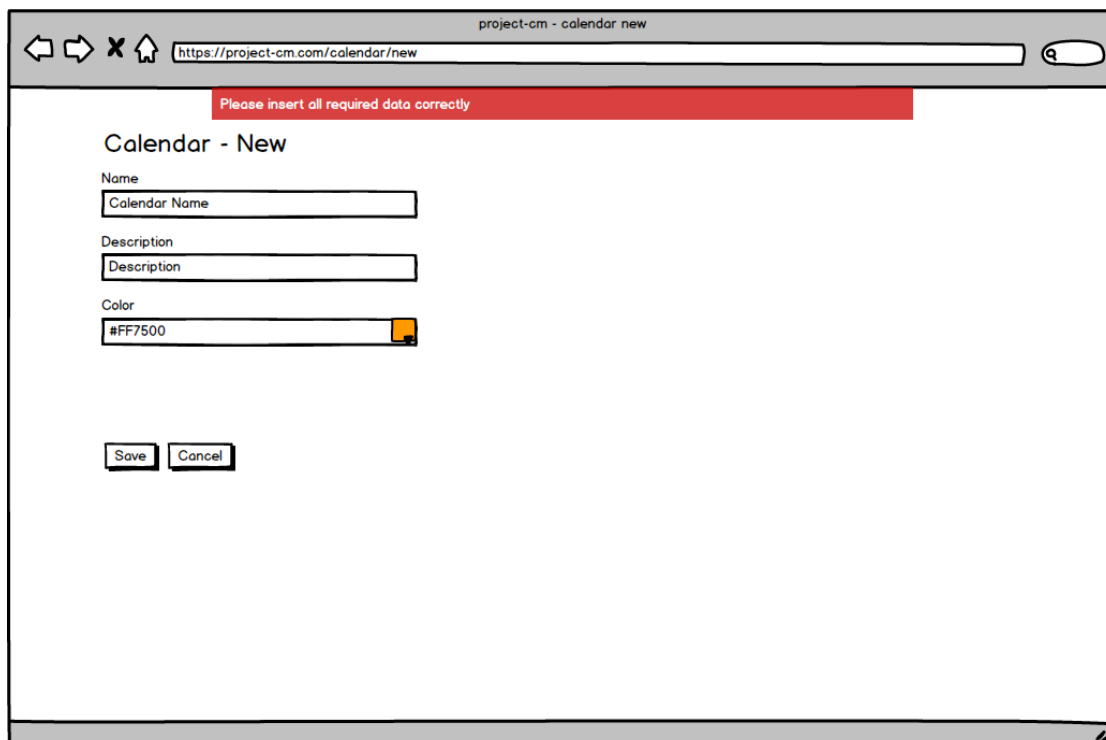
https://project-cm.com/calendar/view

New entry successfully created

Calendar - view

Name

Calendar Name

Description

Description

Color

#FF7500

Back

8.4   Edit calendar

8.4.1   Insert data view
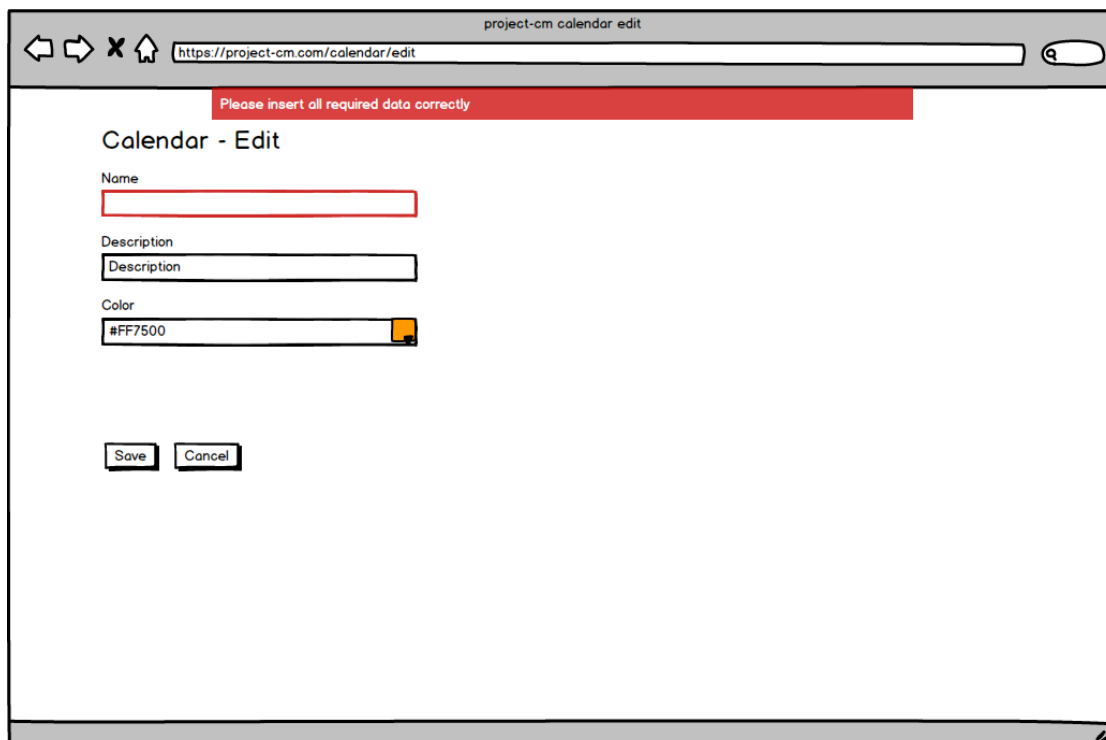
8.4.2   Error: Data not correct

8.4.3 Error: Data save failed

https://project-cm.com/calendar/edit

internal error, failed to save data - please try again

Calendar - Edit

Name

Name

Description

Description

Color

#FF7500

Save   Cancel

8.4.4 Success: Data stored

project-cm calendar

https://project-cm.com/calendar

data edited successfully

Calendars   New

Name	Owner	Color			
Private	Andreas	Red	View	Edit	Delete
Work	Andreas	Blue	View	Edit	Delete
Sports	Tobias	Green	View	Edit	Delete

8.5 Delete calendar

8.5.1 Confirm view

project-cm - calendar delete

https://project-cm.com/calendar/delete

Calendar - delete

Do you realy want to delete calendar "Calendar name" ?

[Confirm]   [Cancel]
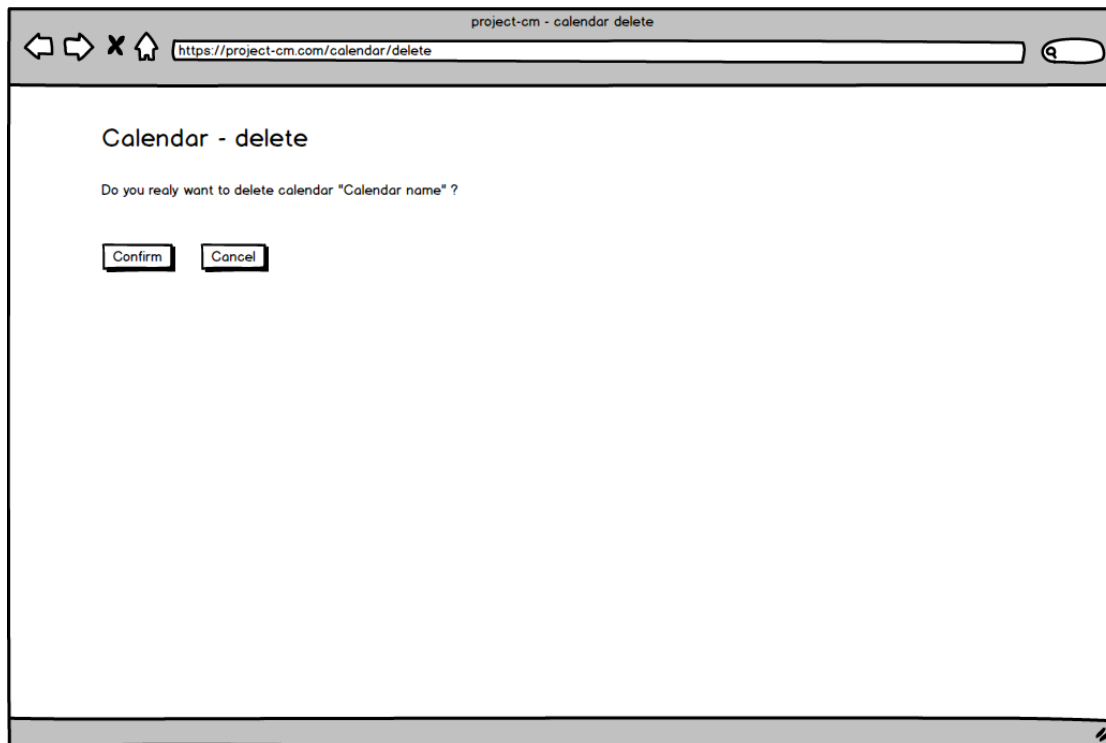
8.5.2 Error: Deletion failed

project-cm calendar

https://project-cm.com/calendar

internal error - failed to delete data

Calendars   [New]

Name	Owner	Color			
Private	Andreas	Red	[View]	[Edit]	[Delete]
Work	Andreas	Blue	[View]	[Edit]	[Delete]
Sports	Tobias	Green	[View]	[Edit]	[Delete]
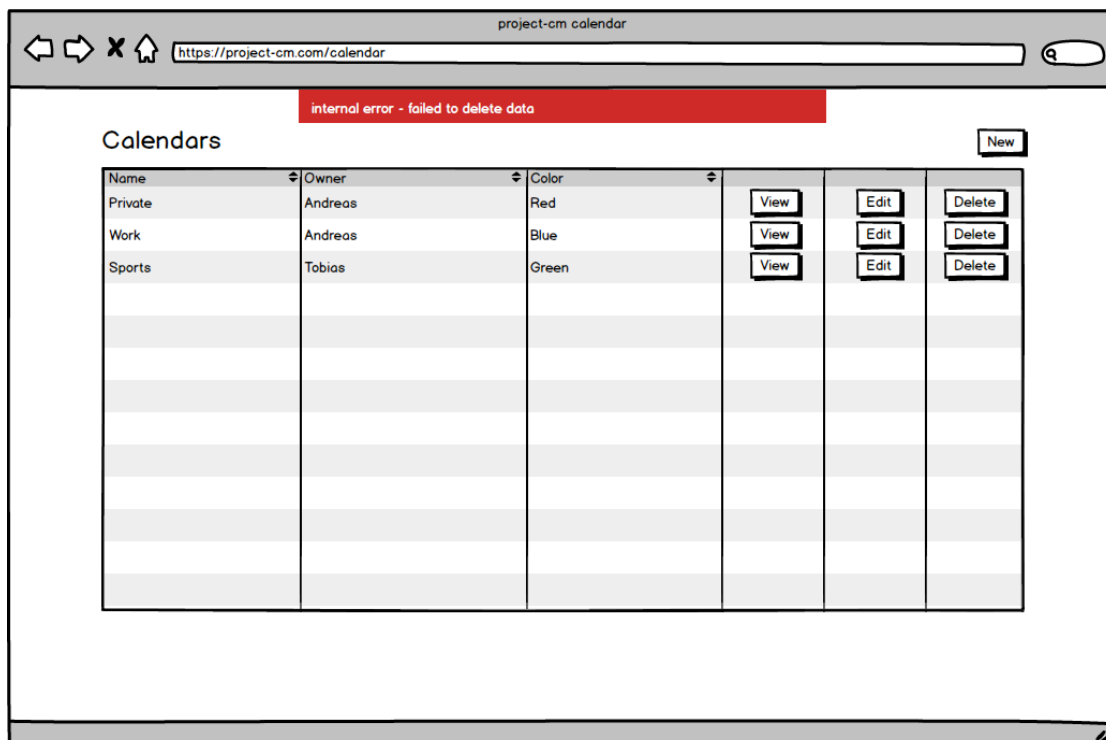
8.5.3 Success: Data deleted

project-cm calendar

https://project-cm.com/calendar

calendar deleted successfully

Calendars

New

Name ⬍	Owner ⬍	Color ⬍			
Private	Andreas	Red	View	Edit	Delete
Work	Andreas	Blue	View	Edit	Delete
Sports	Tobias	Green	View	Edit	Delete
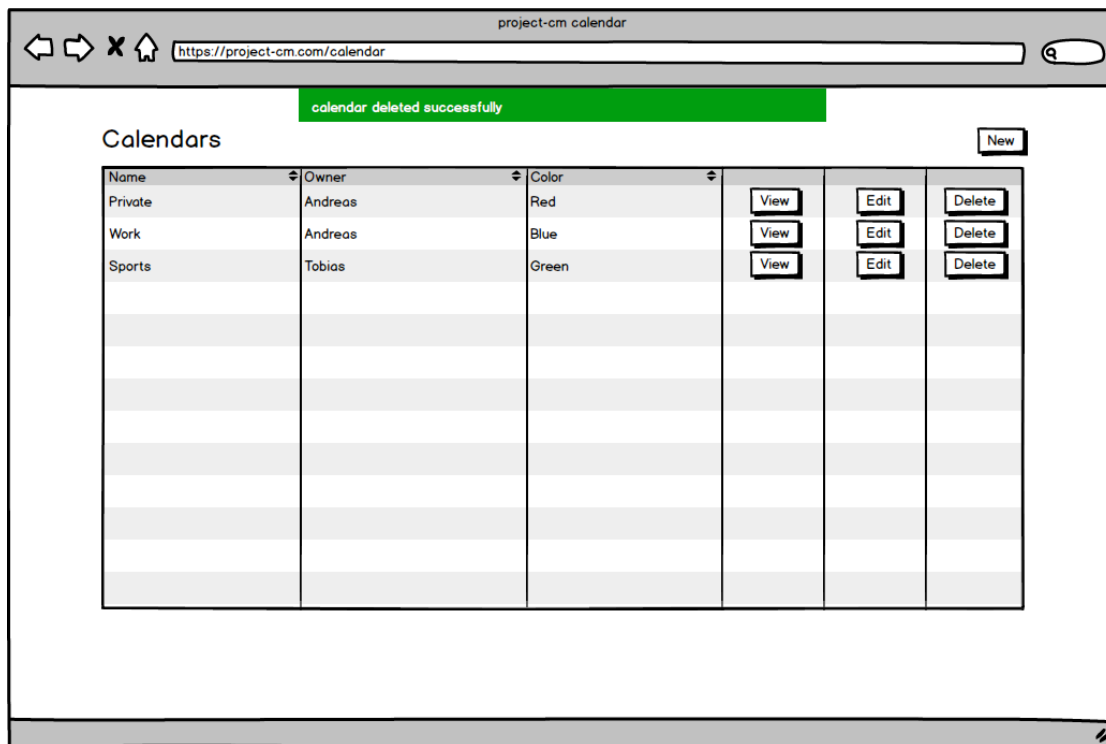
9.   Function Points

Below you can see the function point calculation for this use case.

	Manage Calendars	
Domain Characteristic Table		
Number of User Input	5	Simple
Number of User Outputs	5	Simple
Number of User Inquiries	3	Simple
Number of Files	5	Simple
Number of External Interfaces	1	Simple
Complexity Adjustment Table		
Does the system require reliable backup and recovery?	4	
Are data communications required?	3	
Are there distributed processing functions?	0	
Is performance critical?	1	
Will the system run in an existing, heavily utilized operational environment?	0	
Does the system require on-line data entry?	5	
Does the on-line data entry require the input transaction to be built over multiple screens or operations?	5	
Are the master files updated on-line?	1	
Are the inputs, outputs, files or inquiries complex?	3	
Is the internal processing complex?	2	
Is the code to be designed reusable?	5	
Are conversion and installation included in the design?	0	
Is the system designed for multiple installations in different organizations?	2	
Is the application designed to facilitate change and ease of use by the user?	0	
Function Points	80,64	