
Storm Cloud Development

Project CM
UC: Manage calendars

Version 1.3

Project CM	Version: 1.3
UC: Manage calendars	Date: 15/Apr/2014

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 Cucumber 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

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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

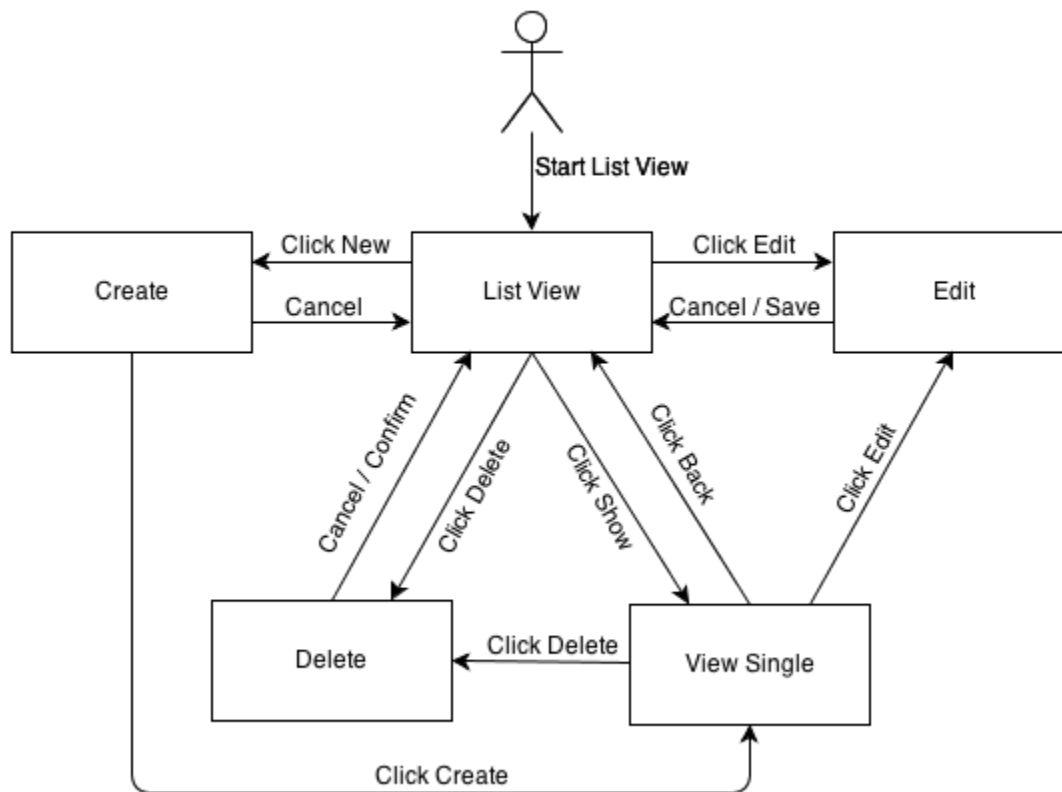
1.2.2 Description

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.

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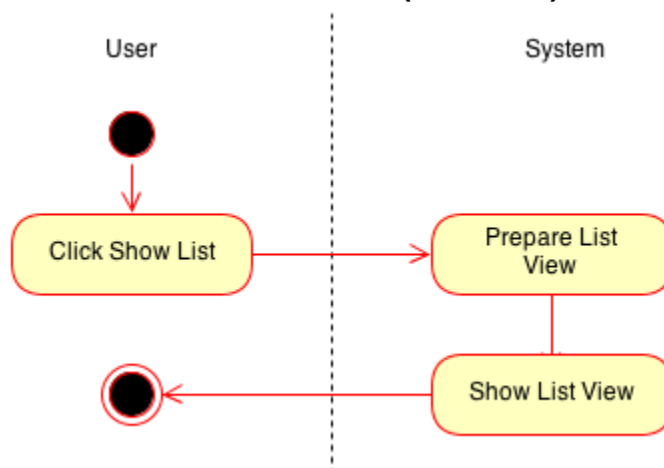
2. Flow of Events

2.1 Screen Flow



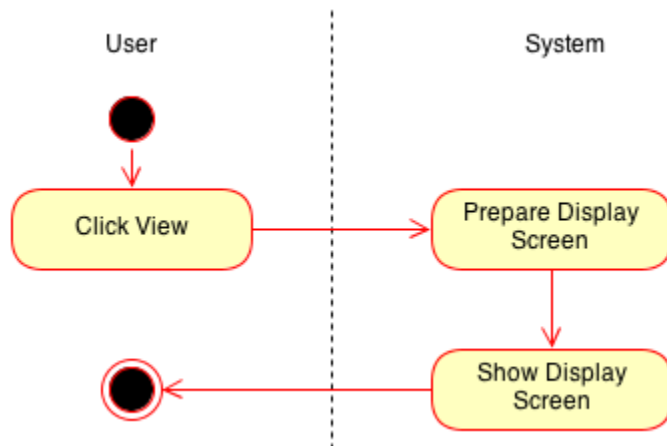
2.2 Use Case Flows

2.2.1 Show all calendars (List View)



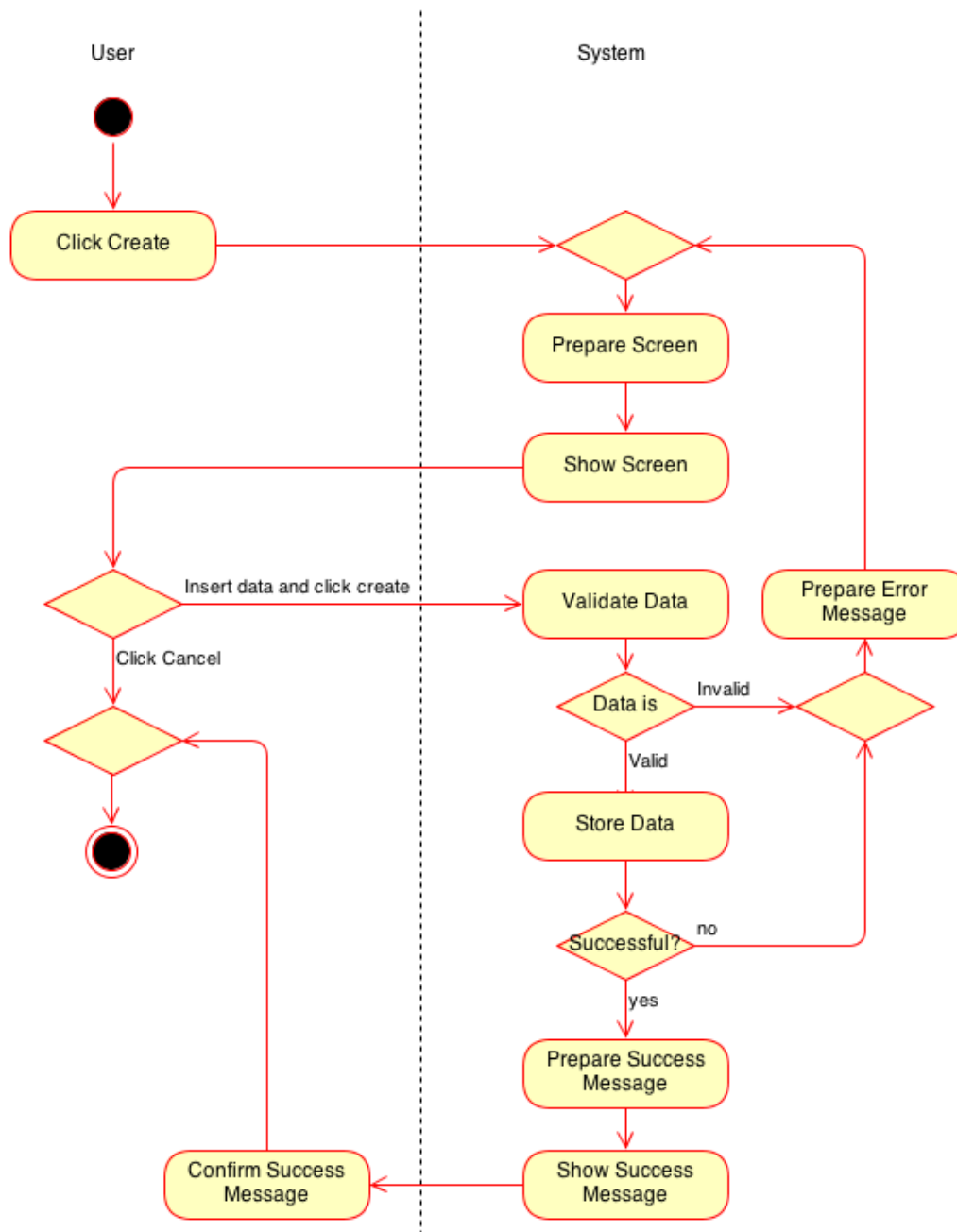
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2.2.2 Show single calendar (View Single)



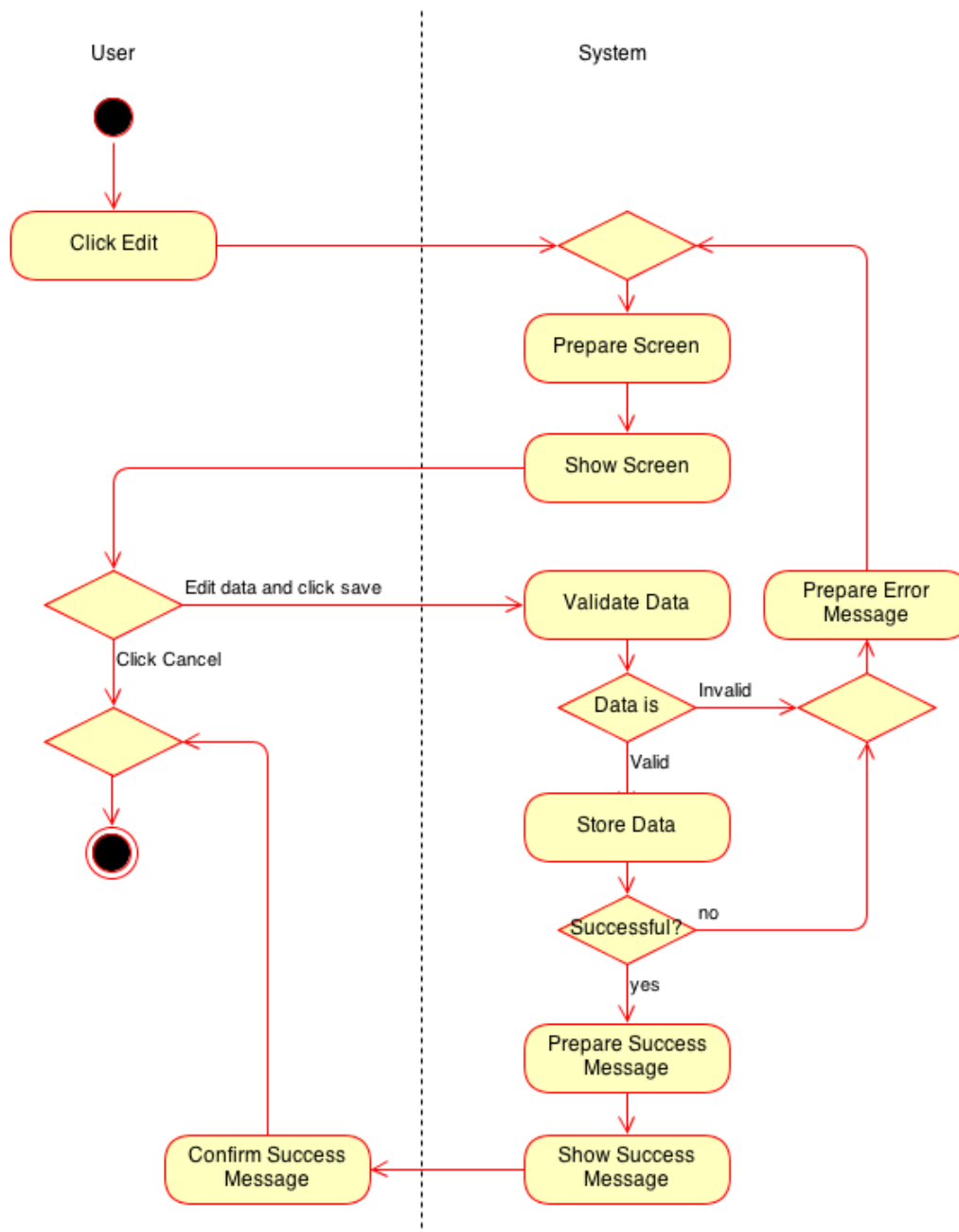
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2.2.3 Create new calendar (Create)



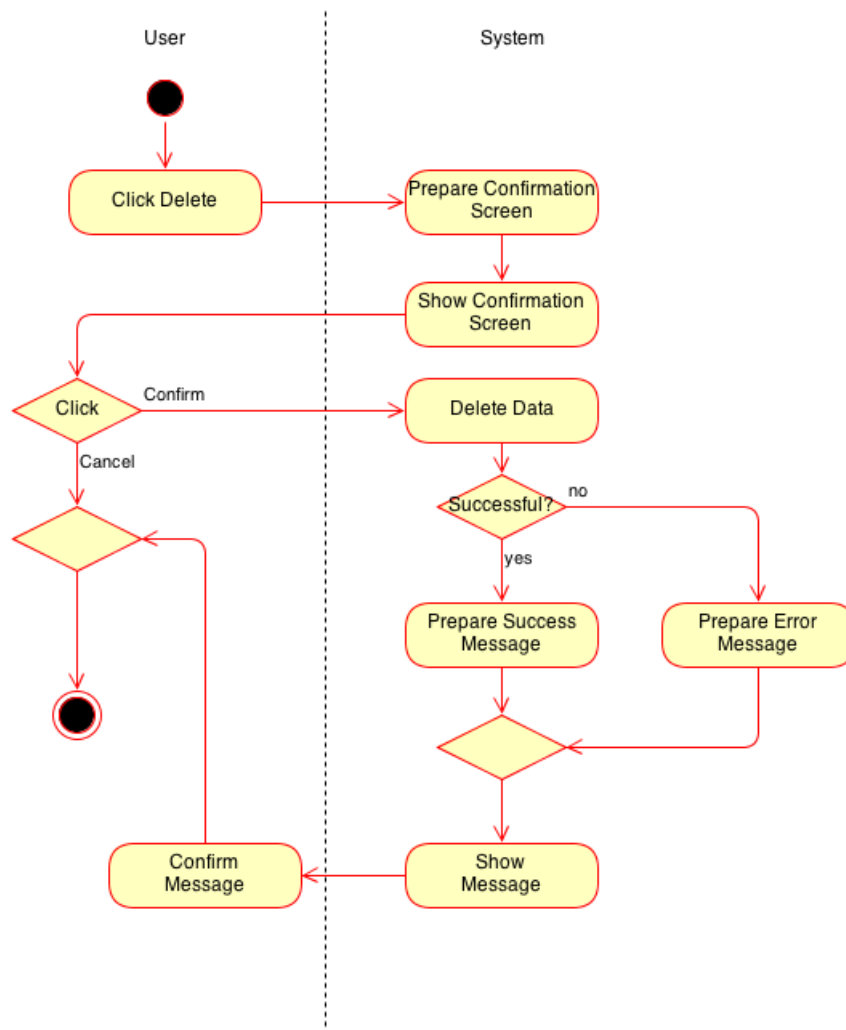
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2.2.4 Edit calendar (Edit)



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2.2.5 Delete calendar (Delete)



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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. Cucumber test scenario

Feature: manage calendars

As an user

I want to manage calendars

So that I can create and manage my calendars

Scenario: 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 should see a confirmation message

Scenario: 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 should see a confirmation message

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8. Mockups

8.1 Show all calendars

project-cm calendar

https://project-cm.com/calendar

Calendars

New

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

8.2 Show single calendar

project-cm calendar view

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

Calendar - view

Name
Calendar Name

Description
Description

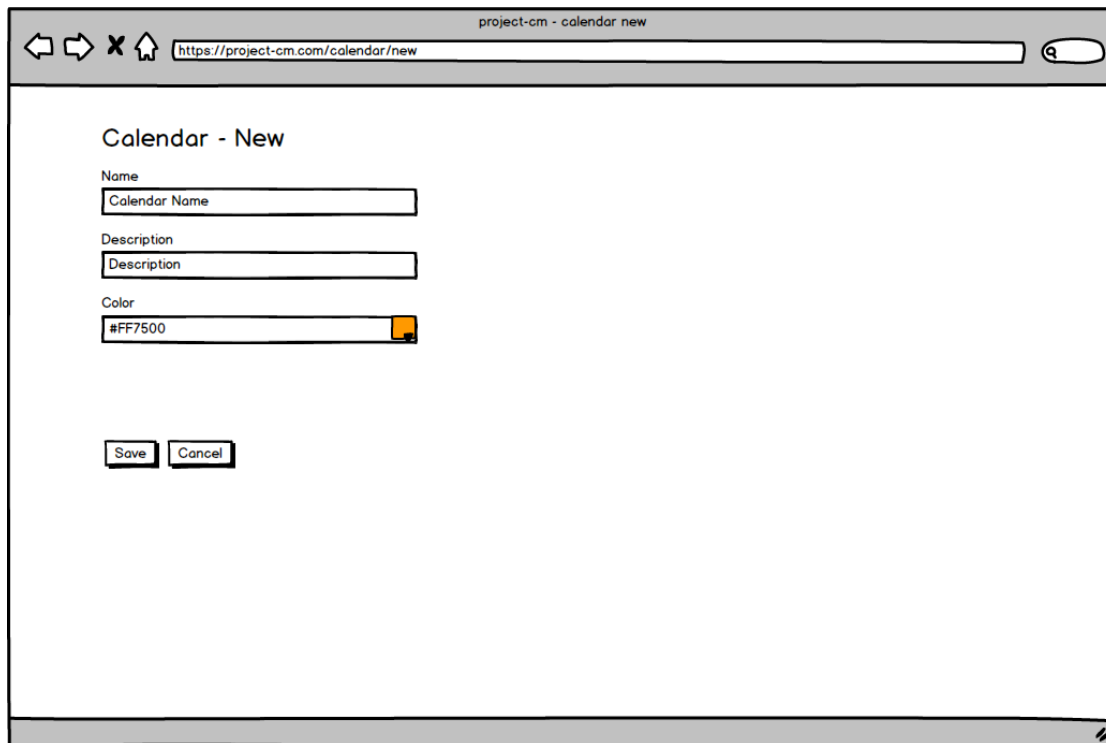
Color
#FF7500

Back

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8.3 Create new calendar

8.3.1 Insert data view



project-cm - calendar new

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

Calendar - New

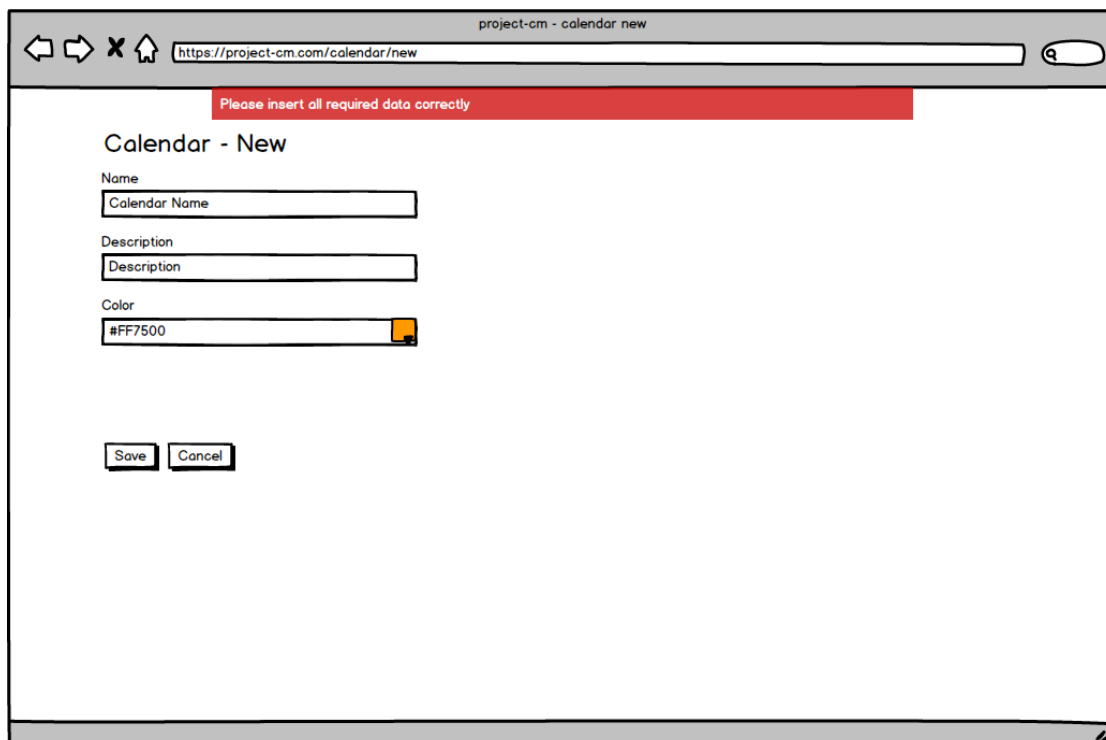
Name
Calendar Name

Description
Description

Color
#FF7500

Save Cancel

8.3.2 Error: Data not correct



project-cm - calendar new

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

Please insert all required data correctly

Calendar - New

Name
Calendar Name

Description
Description

Color
#FF7500

Save Cancel

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8.3.3 Data save failed

The screenshot shows a web browser window titled "project-cm - calendar new". The address bar displays "https://project-cm.com/calendar/new". A red error banner at the top of the page reads "internal error, failed to save data - please try again". Below the banner, the form is titled "Calendar - New". It contains three input fields: "Name" (with "Calendar Name" entered), "Description" (empty), and "Color" (with "#FF7500" entered and a color picker icon). At the bottom of the form are "Save" and "Cancel" buttons.

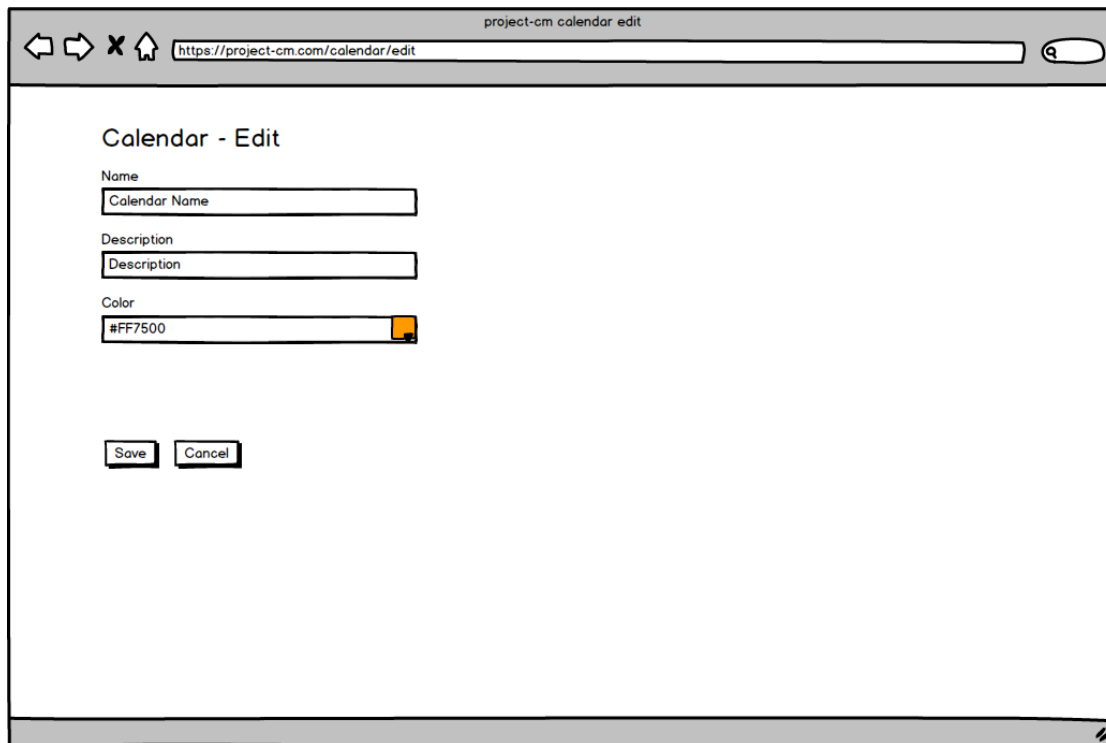
8.3.4 Success: Data stored

The screenshot shows a web browser window titled "project-cm calendar view". The address bar displays "https://project-cm.com/calendar/view". A green success banner at the top of the page reads "New entry successfully created". Below the banner, the form is titled "Calendar - view". It contains three input fields: "Name" (with "Calendar Name" entered), "Description" (empty), and "Color" (with "#FF7500" entered and a color picker icon). At the bottom of the form is a "Back" button.

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8.4 Edit calendar

8.4.1 Insert data view



project-cm calendar edit

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

Calendar - Edit

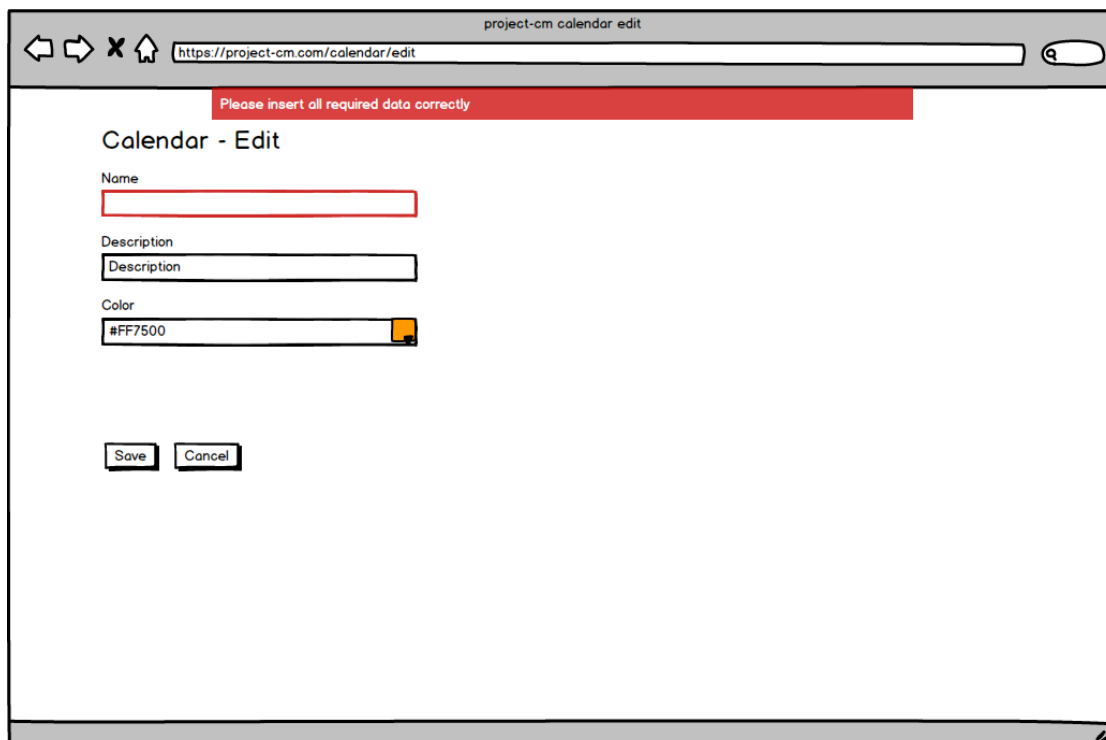
Name
Calendar Name

Description
Description

Color
#FF7500

Save Cancel

8.4.2 Error: Data not correct



project-cm calendar edit

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

Please insert all required data correctly

Calendar - Edit

Name
[Empty field with red border]

Description
Description

Color
#FF7500

Save Cancel

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8.4.3 Error: Data save failed

The screenshot shows a web browser window titled "project-cm calendar edit" with the URL "https://project-cm.com/calendar/edit". A red error banner at the top reads "internal error, failed to save data - please try again". Below the banner, the form is titled "Calendar - Edit" and contains three input fields: "Name", "Description", and "Color" (with a color picker showing #FF7500). At the bottom are "Save" and "Cancel" buttons.

8.4.4 Success: Data stored

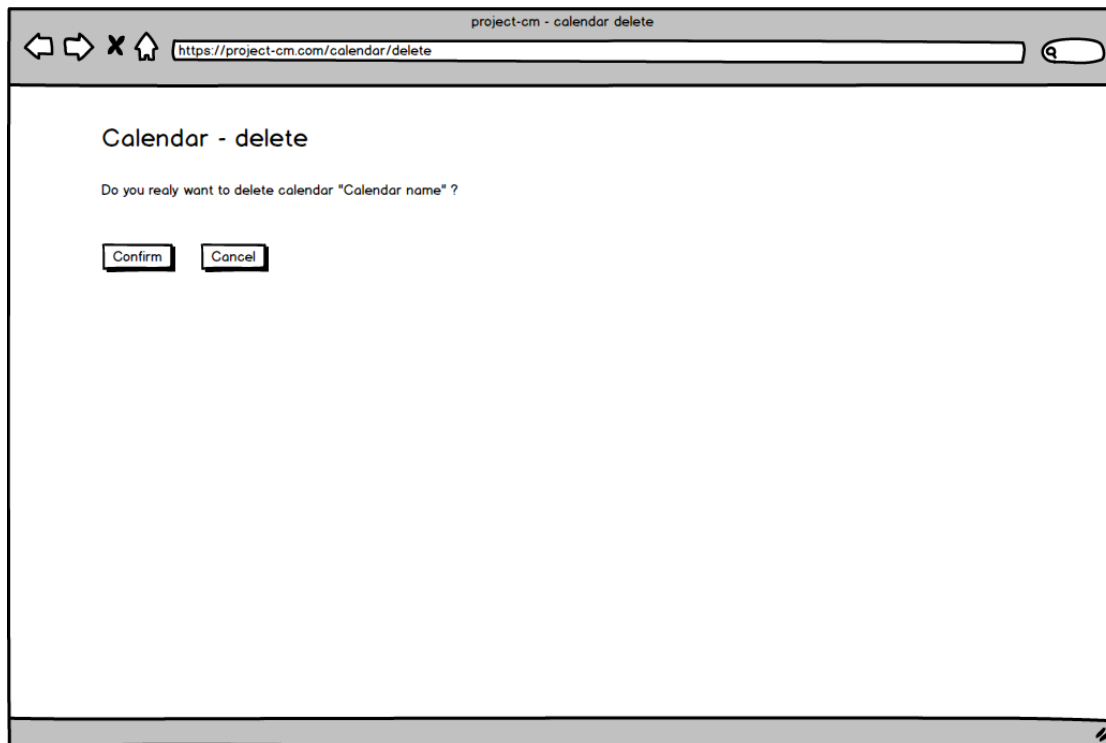
The screenshot shows a web browser window titled "project-cm calendar" with the URL "https://project-cm.com/calendar". A green success banner at the top reads "data edited successfully". Below the banner, the page is titled "Calendars" and features a "New" button. A table lists the calendars with columns for Name, Owner, Color, and action buttons (View, Edit, Delete).

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

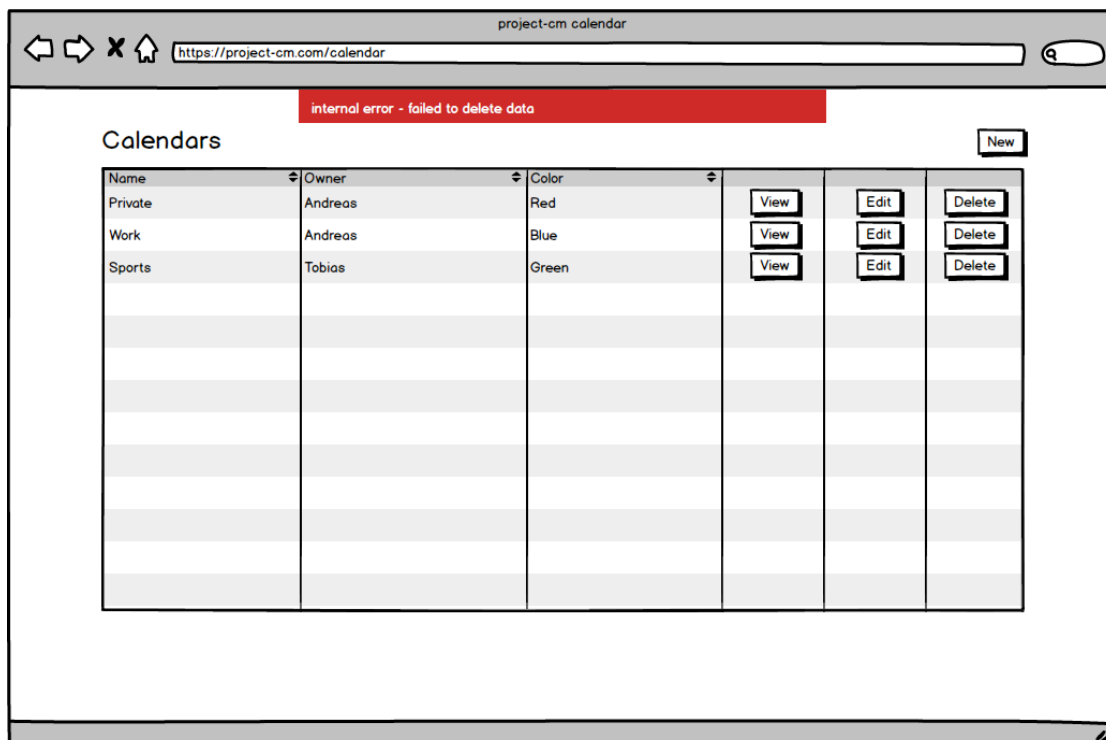
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8.5 Delete calendar

8.5.1 Confirm view

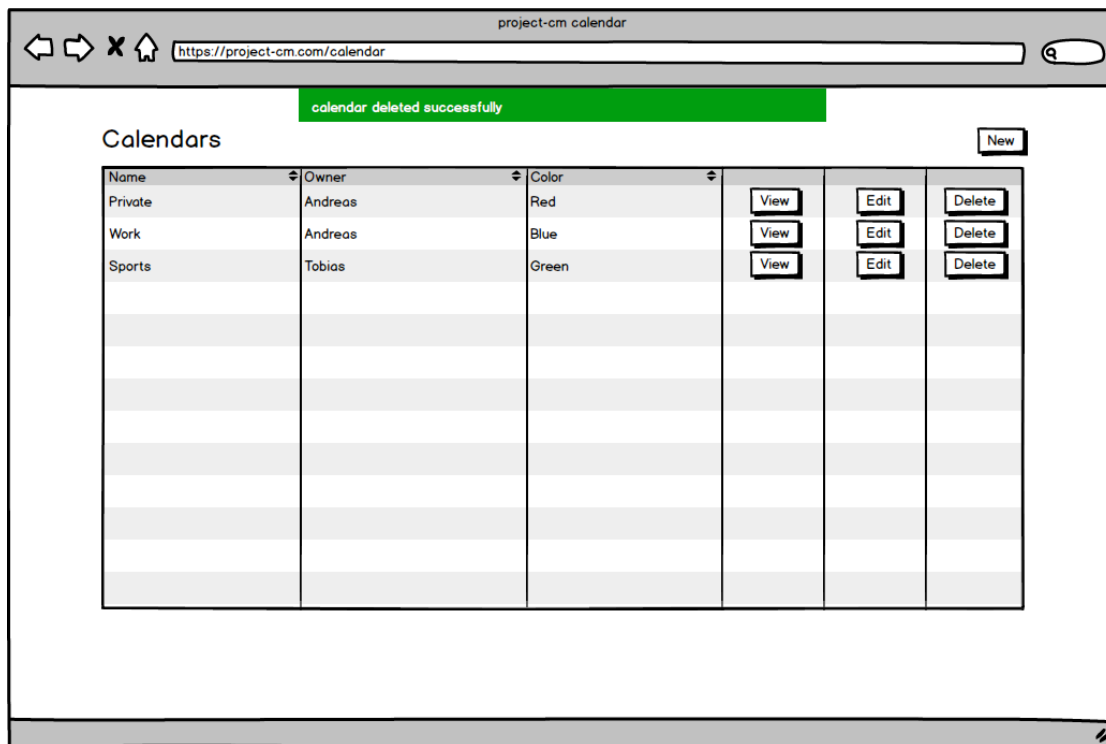


8.5.2 Error: Deletion failed



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8.5.3 Success: Data deleted



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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	