
Storm Cloud Development

Project CM
UC: Book meeting rooms

Version 1.2

Project CM	Version: 1.2
UC: Book meeting rooms	Date: 19/Jun/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	Storm Cloud Development
19/Jun/2014	1.2	Inserted function points	Storm Cloud Development

Project CM	Version: 1.2
UC: Book meeting rooms	Date: 19/Jun/2014

Table of Contents

1. Use-Case book meeting rooms	4
1.1 Brief Description	4
1.2 Stored data	4
1.2.1 Overview	4
1.2.2 Description	4
2. Flow of Events	5
2.1 Screen Flow	5
2.2 Use Case Flows	5
2.2.1 Show all bookings (List View)	5
2.2.2 Show single booking (View Single)	6
2.2.3 Create new booking (Create)	7
2.2.4 Edit booking (Edit)	8
2.2.5 Delete booking (Delete)	9
3. Special Requirements	10
4. Preconditions	10
4.1 Rights	10
4.2 Room	10
4.3 Booking	10
5. Postconditions	10
5.1 Room	10
5.2 Booking	10
6. Extension Points	10
7. Selenium test scenarios	10
8. Mockups	10
9. Function Points	11

Project CM	Version: 1.2
UC: Book meeting rooms	Date: 19/Jun/2014

UC: Book meeting rooms

1. Use-Case book meeting rooms

1.1 Brief Description

This use case describes how a user can book meeting rooms via an API (application programming interface). This means that there is no user interface in this use case because the use case can be called from different program parts. The user can add, read, update and delete bookings (CRUD). The start and end time of the booking are similar to them of the corresponding appointment.

1.2 Stored data

1.2.1 Overview

Name	Auto-assigned	Unique	Mandatory	Modifiable
Id	Yes	Yes	Yes	No
Room	No	No	Yes	No
Booker	Yes	No	Yes	No
Appointment	No	No	Yes	No
Start time	(Yes)	No	No, auto-assigned if not provided	Yes
End time	(Yes)	No	No auto-assigned if not provided	Yes

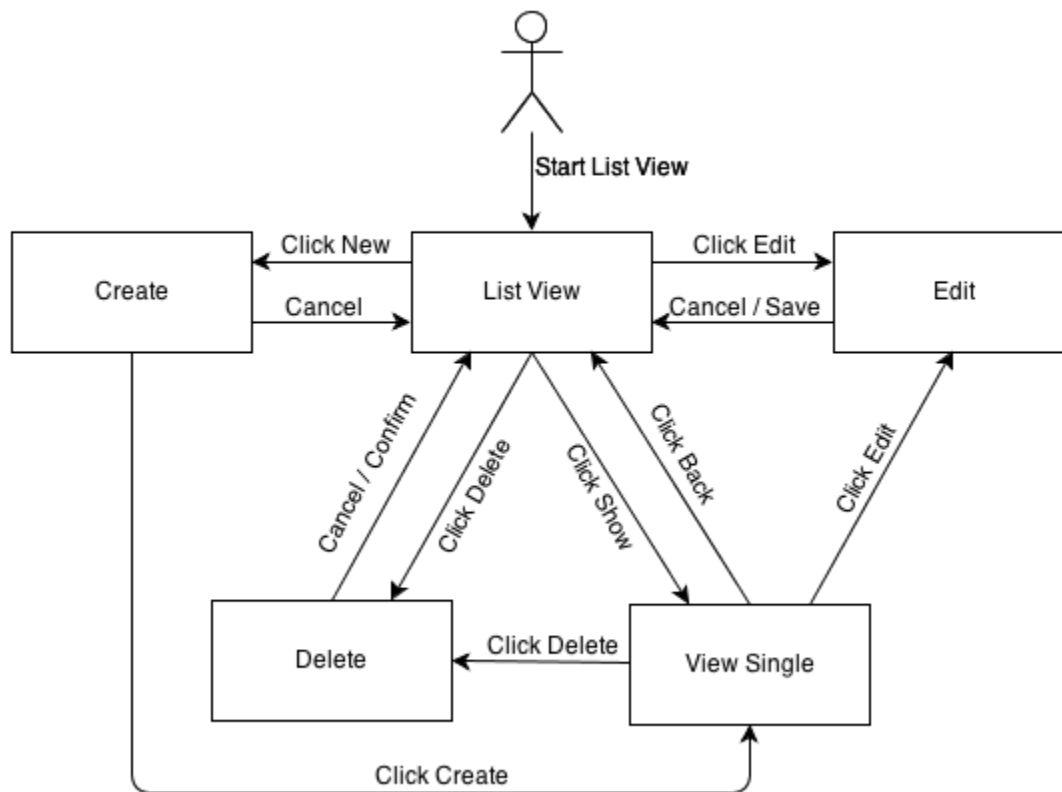
1.2.2 Description

Each booking is for a single room and a specified appointment. Also the booker is stored to know, who booked the room, so who is responsible if the room is not used. The start time and the end time are needed to be able to check if the booking of the room is possible or if the room should be reserved ten minutes earlier than the appointment time is to prepare some things. When booking a new room, the start and end times are automatically set to the times of the appointment, if no value is provided. Also it should not be possible to book a room for more than one hour earlier or later than the appointment. The booker is automatically set to the user who is logged in.

Project CM	Version: 1.2
UC: Book meeting rooms	Date: 19/Jun/2014

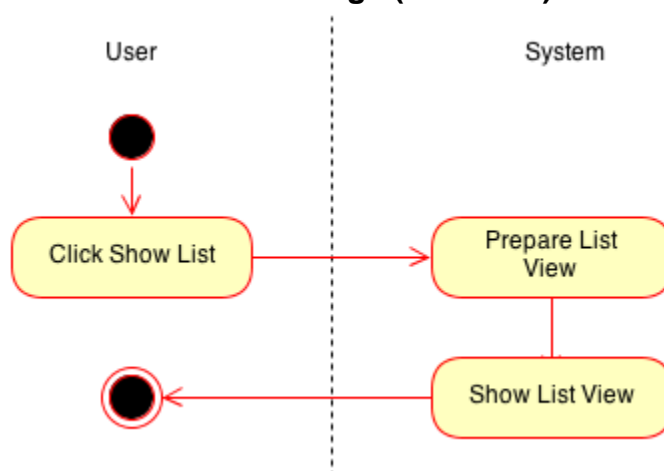
2. Flow of Events

2.1 Screen Flow



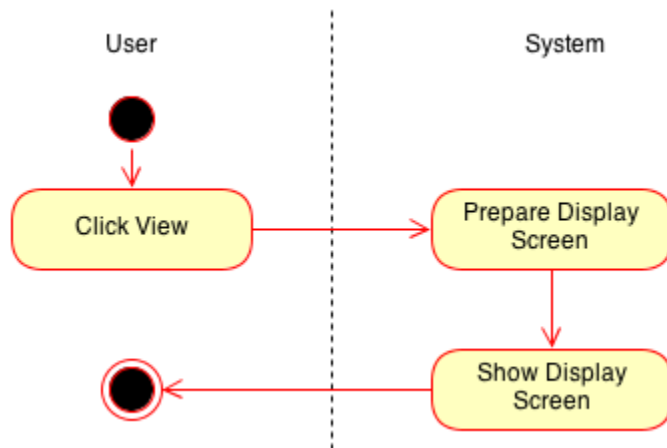
2.2 Use Case Flows

2.2.1 Show all bookings (List View)



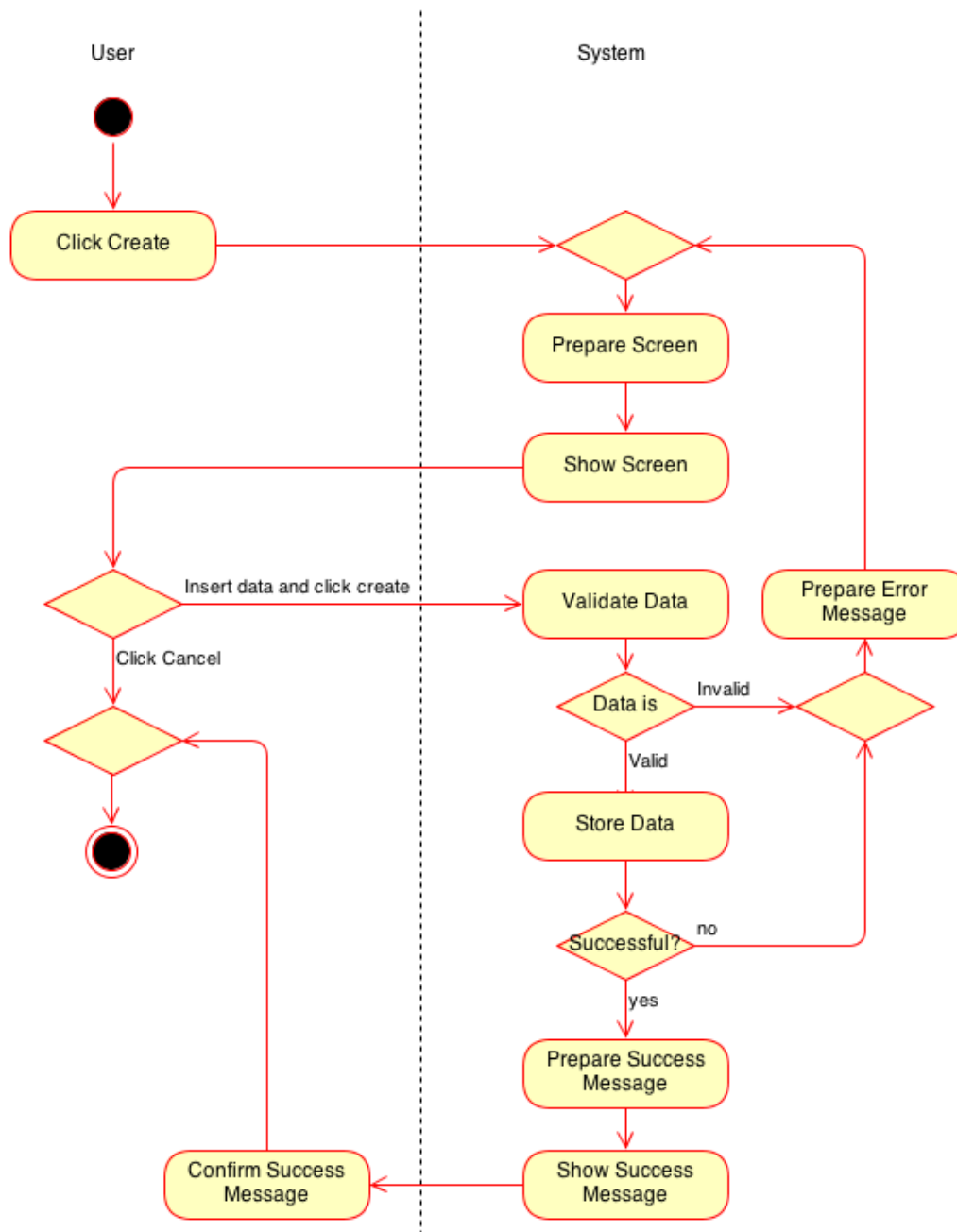
Project CM	Version: 1.2
UC: Book meeting rooms	Date: 19/Jun/2014

2.2.2 Show single booking (View Single)



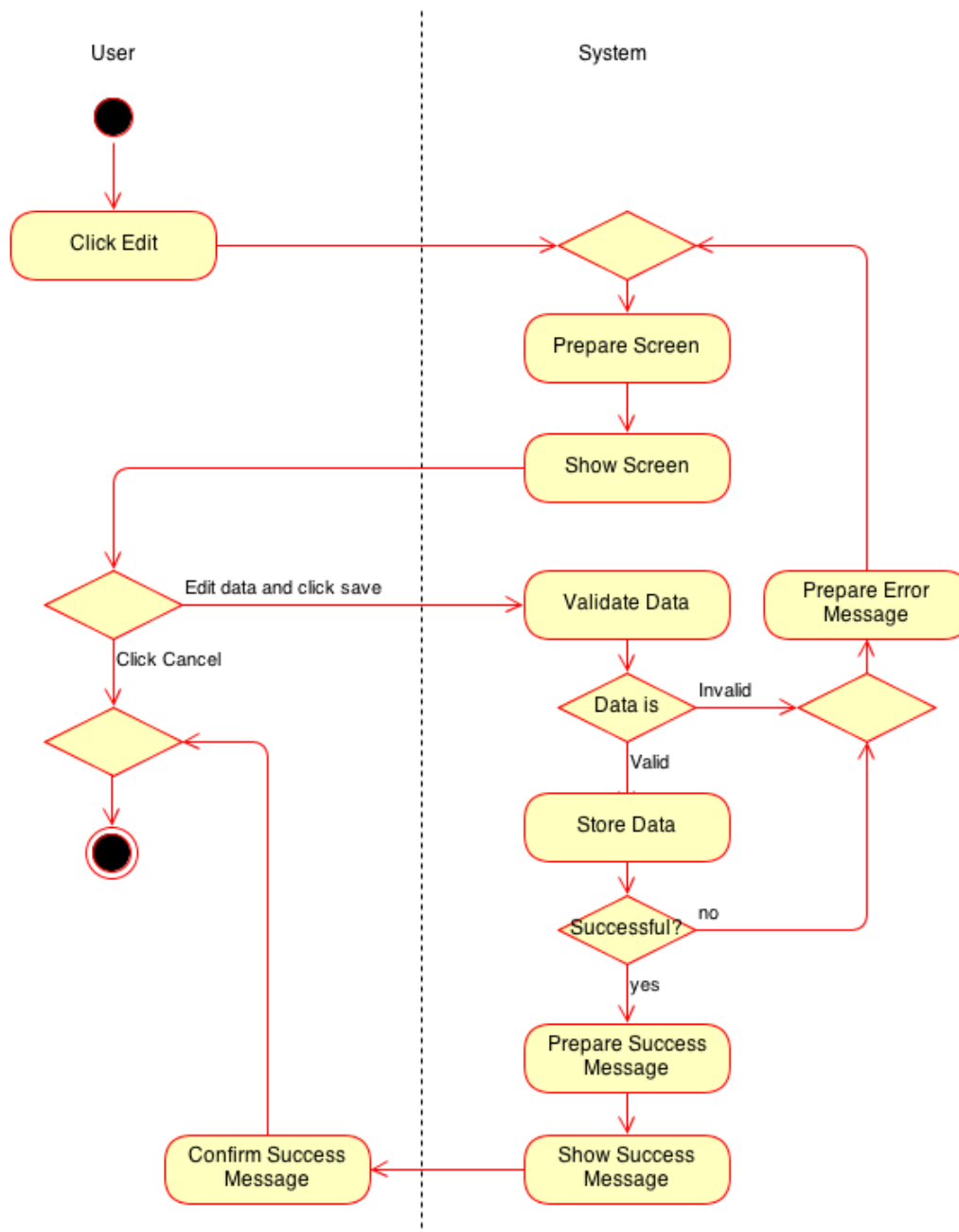
Project CM	Version: 1.2
UC: Book meeting rooms	Date: 19/Jun/2014

2.2.3 Create new booking (Create)



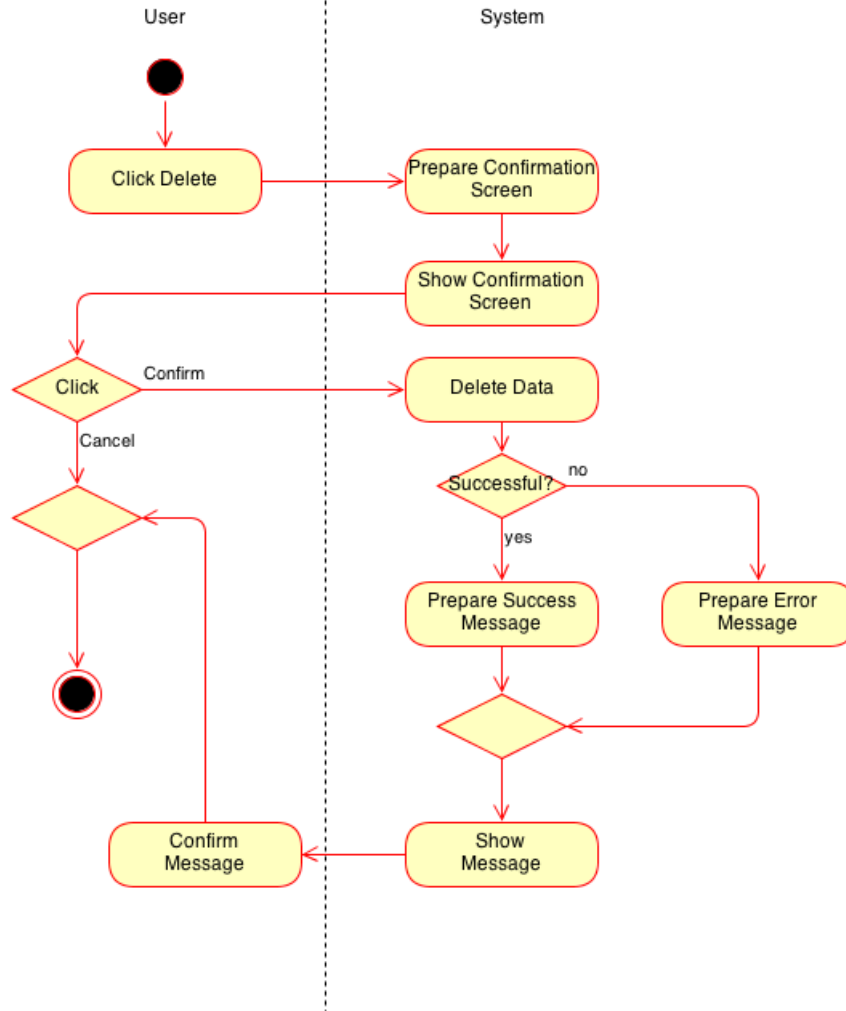
Project CM	Version: 1.2
UC: Book meeting rooms	Date: 19/Jun/2014

2.2.4 Edit booking (Edit)



Project CM	Version: 1.2
UC: Book meeting rooms	Date: 19/Jun/2014

2.2.5 Delete booking (Delete)



Project CM	Version: 1.2
UC: Book meeting rooms	Date: 19/Jun/2014

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 Room

Create: must exist

Create/edit: must be free in requested period of time

4.3 Booking

View/edit/delete: The booking must exist.

Create: The booking must not exist.

5. Postconditions

5.1 Room

Create/edit: can be free after/before booked time

can be booked after/before booked time

Delete: time slot is unblocked

5.2 Booking

Edit: The time slot is updated

Delete: The booking is deleted

Create: The booking is created

6. Extension Points

n/a

7. Selenium test scenarios

As the use case is an API (application programming interface) no selenium test is possible.

8. Mockups

As the use case is an API (application programming interface) no mockup is possible.

Project CM	Version: 1.2
UC: Book meeting rooms	Date: 19/Jun/2014

9. Function Points

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

	Book Meeting Rooms	
Domain Characteristic Table		
Number of User Input	6	Simple
Number of User Outputs	4	Simple
Number of User Inquiries	5	Simple
Number of Files	3	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	48,75	