
Storm Cloud Development

Project CM
UC: Book meeting rooms

Version 1.1

Project CM	Version: 1.1
UC: Book meeting rooms	Date: 22/Oct/2013

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

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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

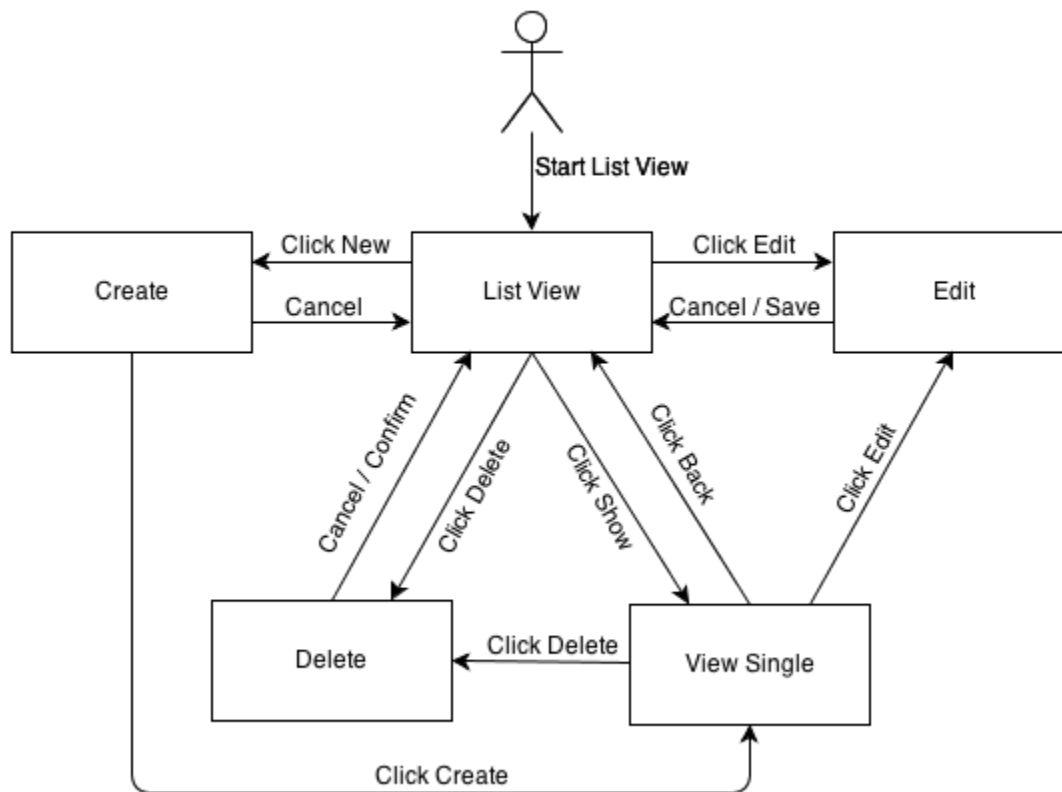
1.2.2 Description

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.

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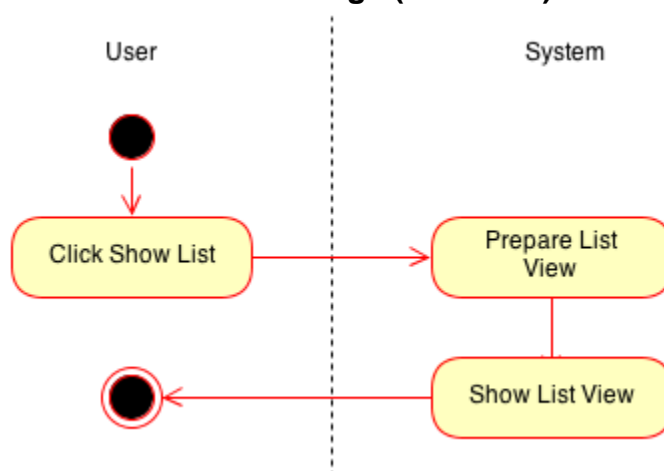
2. Flow of Events

2.1 Screen Flow



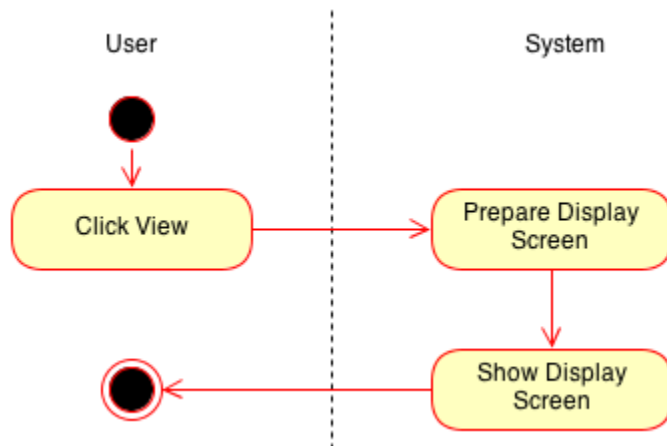
2.2 Use Case Flows

2.2.1 Show all bookings (List View)



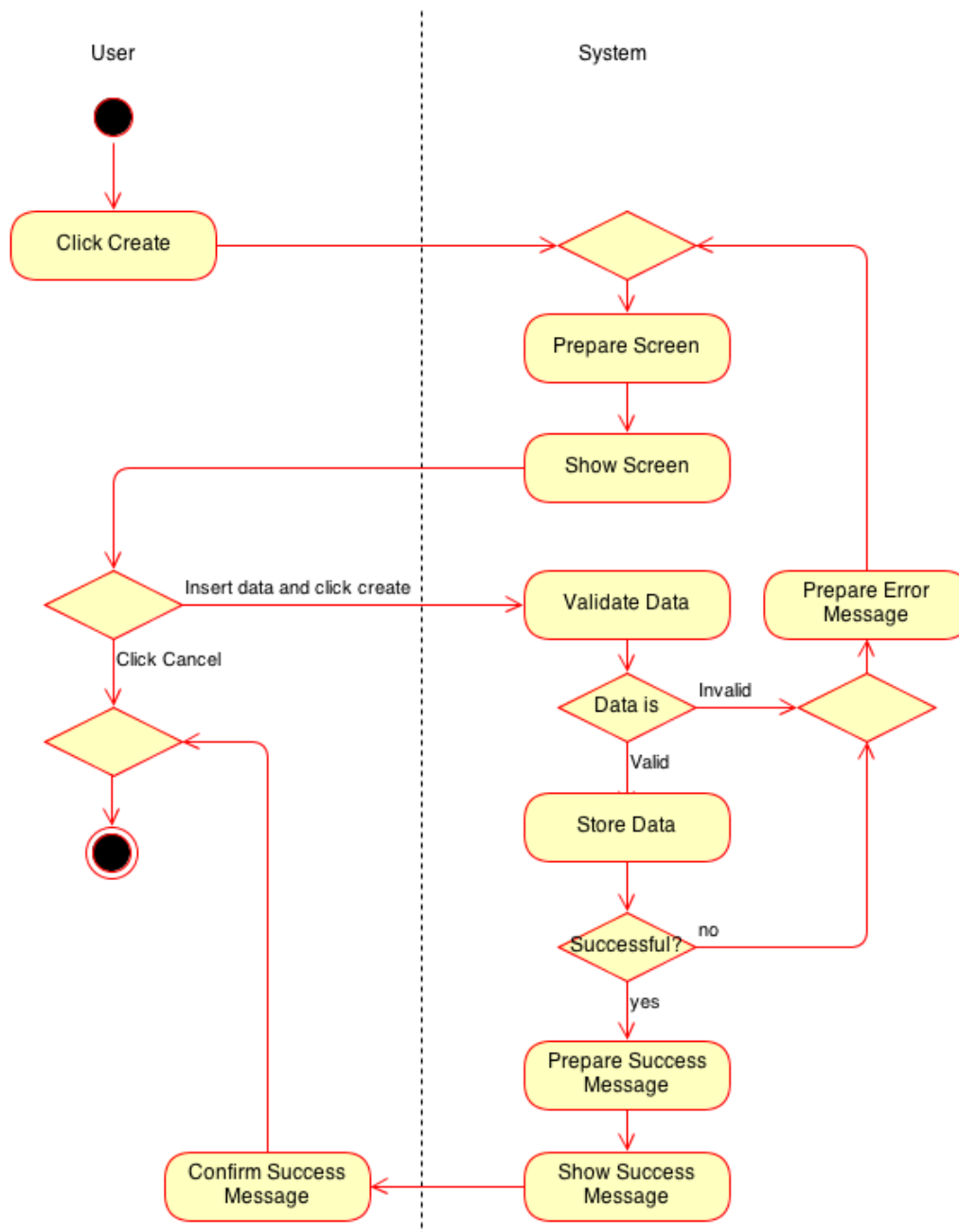
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2.2.2 Show single booking (View Single)



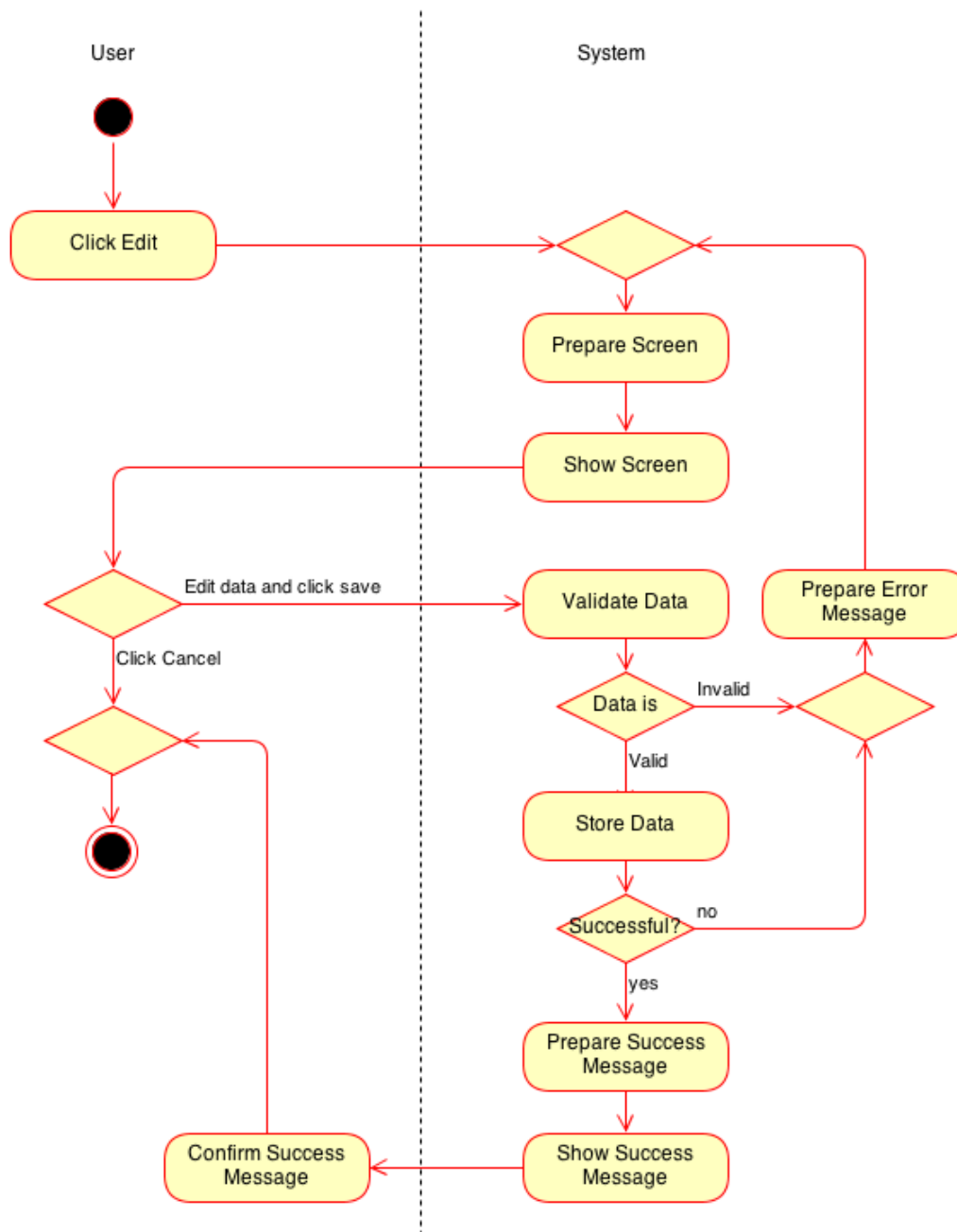
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2.2.3 Create new booking (Create)



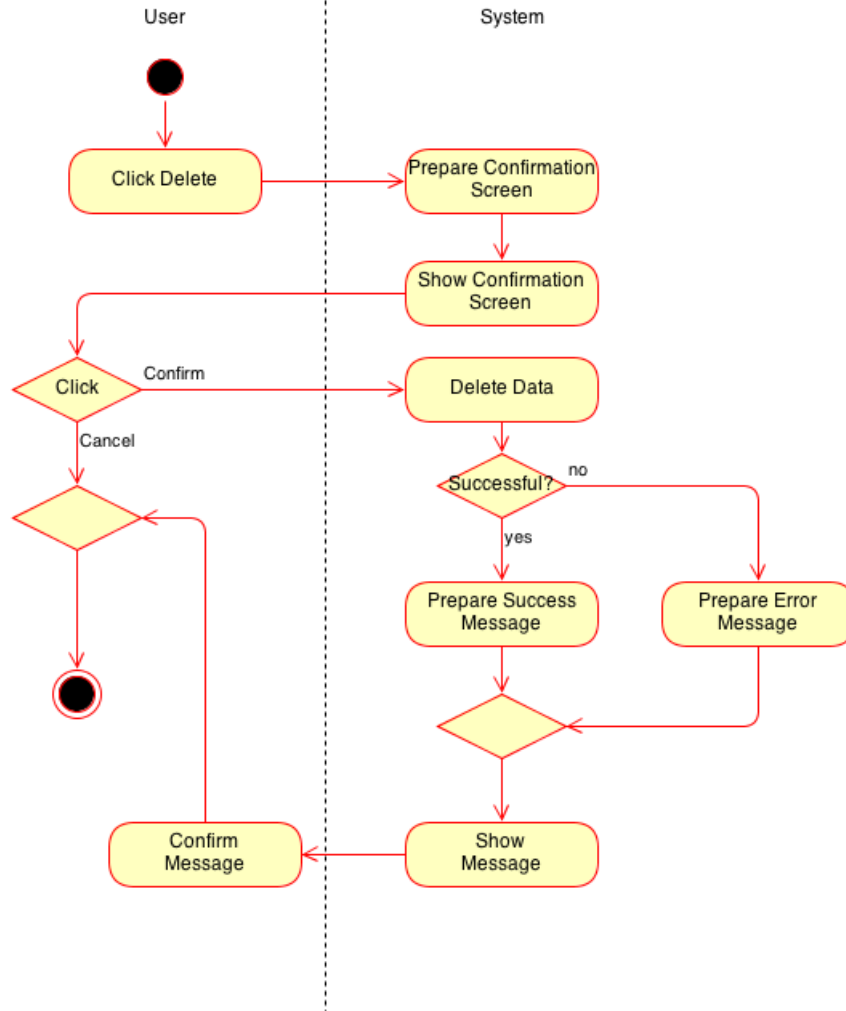
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2.2.4 Edit booking (Edit)



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2.2.5 Delete booking (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 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. Cucumber test scenarios

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

8. Mockups

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