Simple Habits
Use-Case Specification: Manage Alarms (CRUD)

Version 1.4

Revision History

Date	Version	Description	Author
31/10/16	1.0	Initial Creation	Benedikt Bosshammer
02/11/16	1.1	Mockups	Benedikt Bosshammer
13/11/16	1.2	CRUD Basic Activity Diagram	Benedikt Bosshammer
15/11/16	1.3	Create and Read Activity Diagram	Benedikt Bosshammer
16/05/2017	1.4	Added Function Points	René Penkert

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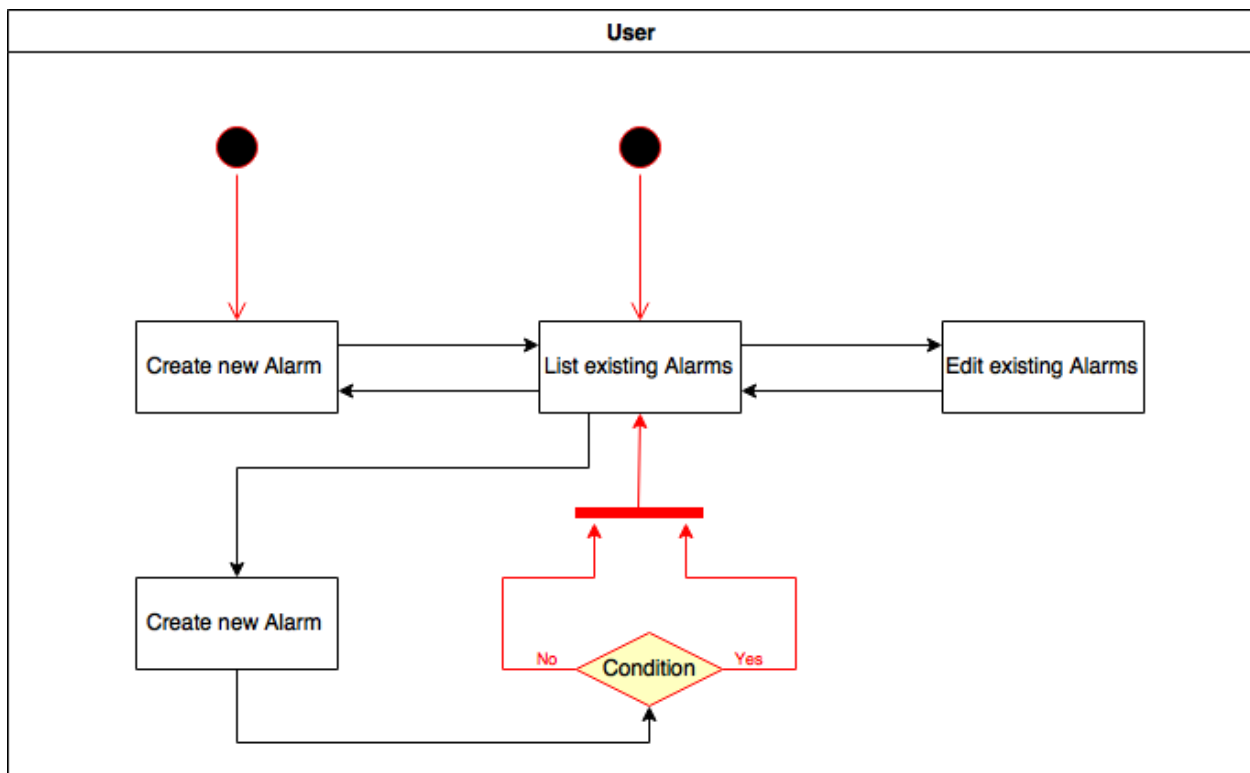# Use-Case Specification: Manage Alarms (CRUD)

1. Select Calendar

1.1 Brief Description

This Use Case provides the possibility for the users to select the OS calendars containing the appointments for wake-up time calculation.
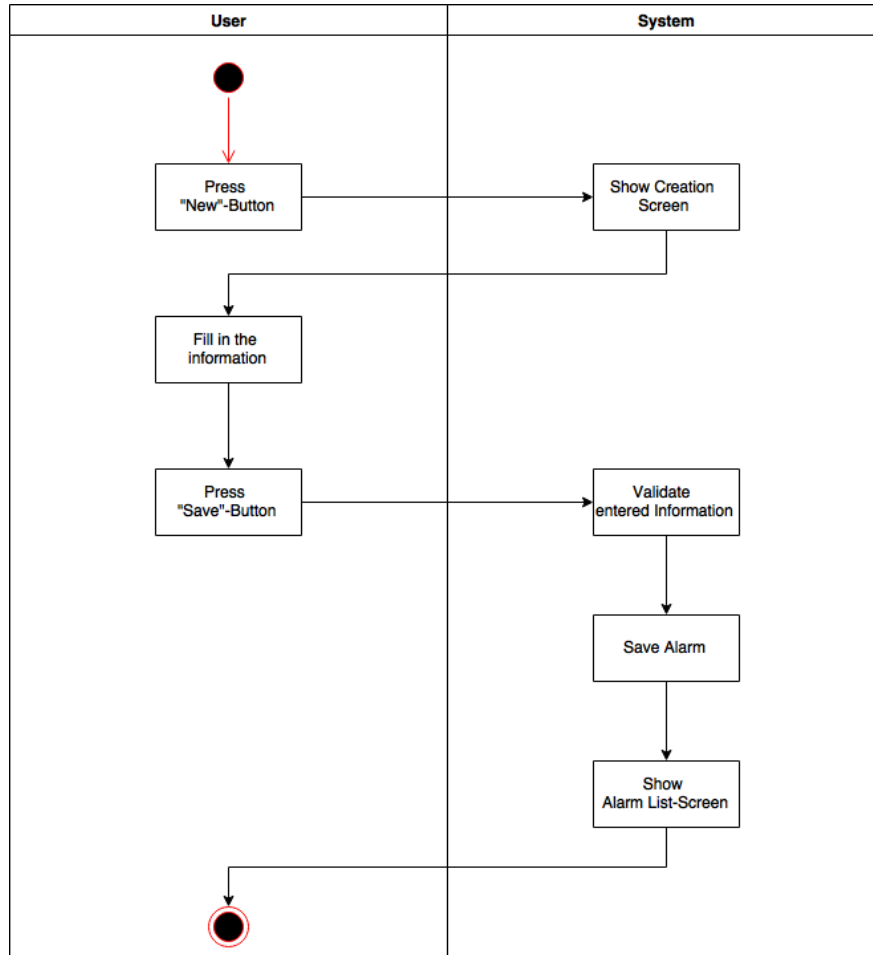
2. Flow of Events

2.1 Basic Flow

The process of managing the alarms can be represented by a CRUD activity diagram. The User can update either create a new alarm (Create), display all alarms created before (READ), delete on of these alarms (Delete) or edit an alarm (Update)
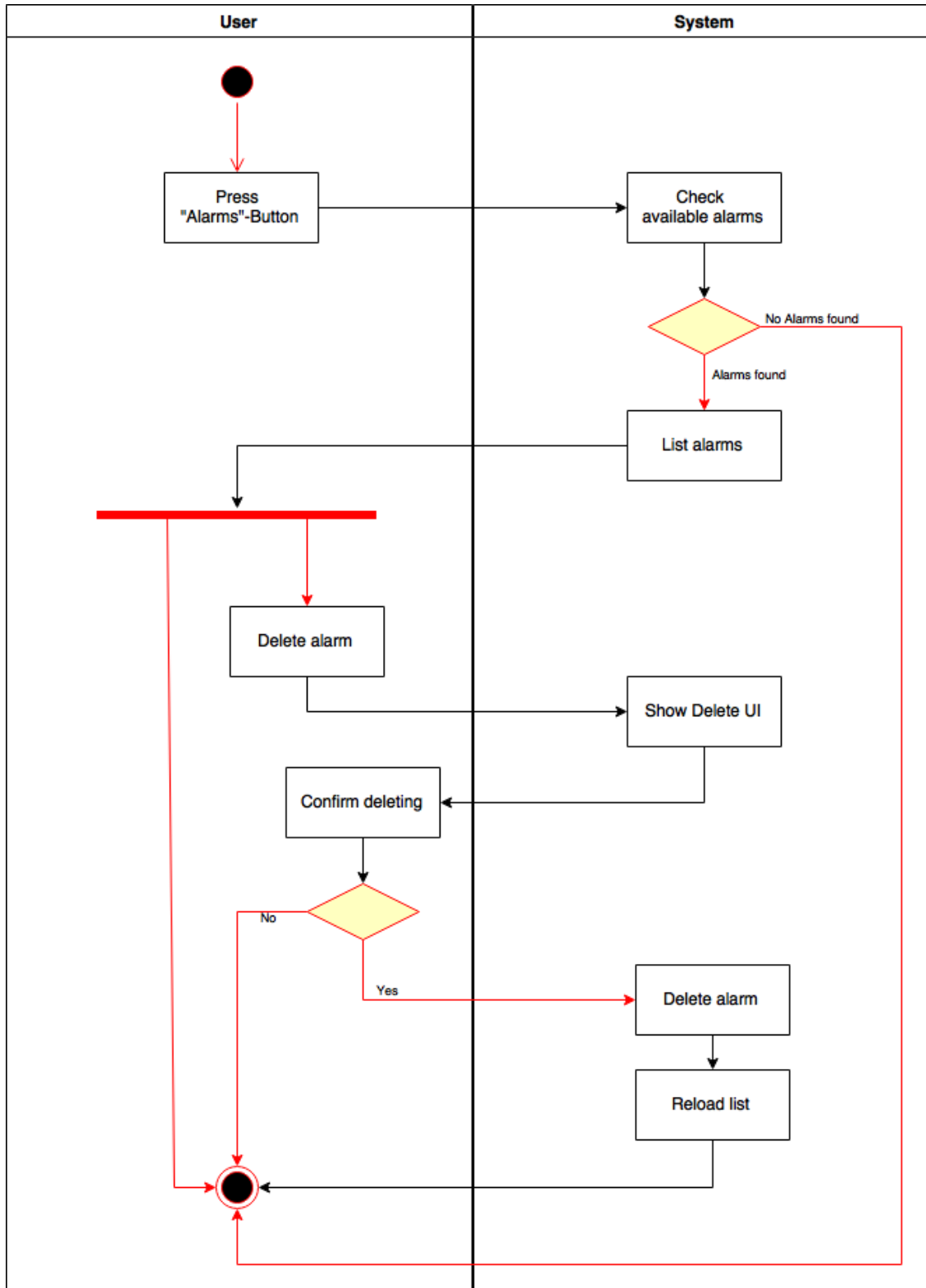
A closer look at the activities in case the user decides to create a new alarm:

The following activity diagram shows the event in case the user decides to read an existing alarm.

iOS Mockups:
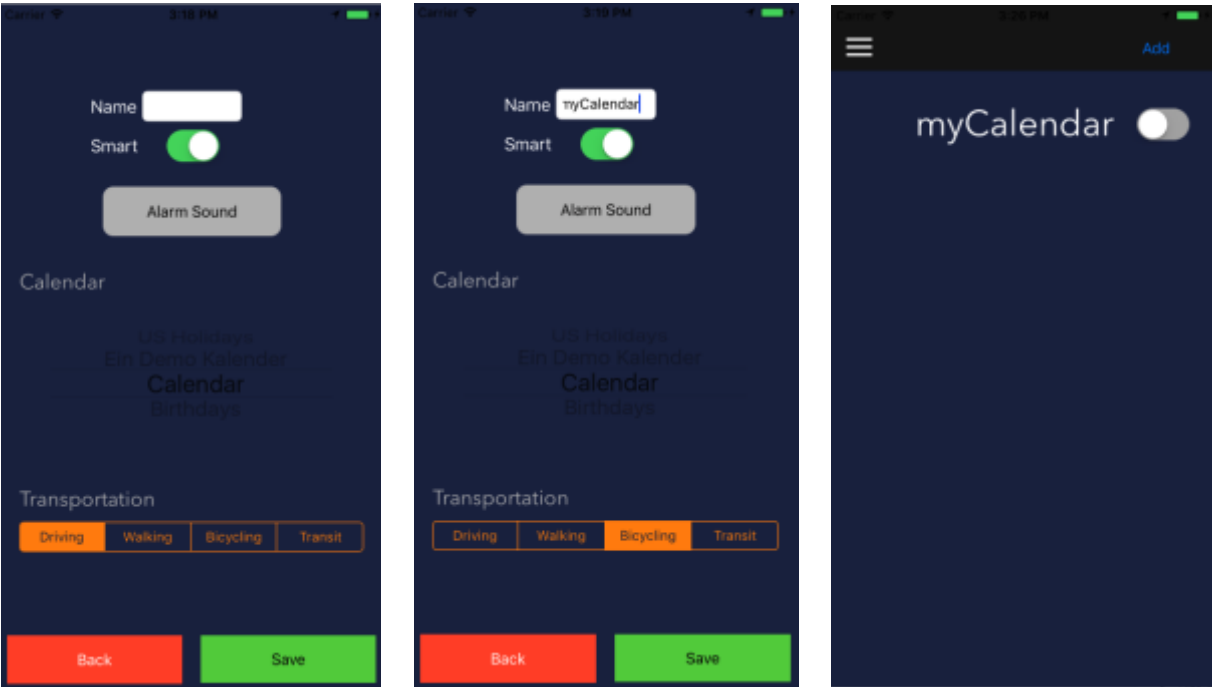
3. Special Requirements

4. Preconditions

To add a Smart Alarm, the User needs to give Access to the Calendar so that the SmartAlarm have access to the appointments in the specified Calendar.

5. Postconditions

6. Extension Points

7. Function Points

CRUD	Count	Simple	Average	Complex	FTR/RET	DET	Points	Function poi
Number of User Input (Ei)	4	1	0	0	2	4	12	33,6
Number of User Outputs (EO)	2	1	0	0	1	2	8	
Number of User Inquiries (EQ)	0	1	0	0	0	0	0	
Number of Files (ILF)	4	1	0	0	0	0	28	
Number of External Interfaces (EIF)	0	1	0	0	0	0	0	