

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

Version 1.4

Simple Habits	Version: 1.4
Use-Case Specification: CRUD	Date: 16/05/17

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

Simple Habits	Version: 1.4
Use-Case Specification: CRUD	Date: 16/05/17

Table of Contents

1.	Select Calendar	4
1.1	Brief Description	4
2.	Flow of Events	4
2.1	Basic Flow	4
3.	Special Requirements	7
4.	Preconditions	7
5.	Postconditions	7
6.	Extension Points	7
7.	Function Points	7
8.	Testing	7

Simple Habits	Version: 1.4
Use-Case Specification: CRUD	Date: 16/05/17

Use-Case Specification: Manage Alarms (CRUD)

1. Select Calendar

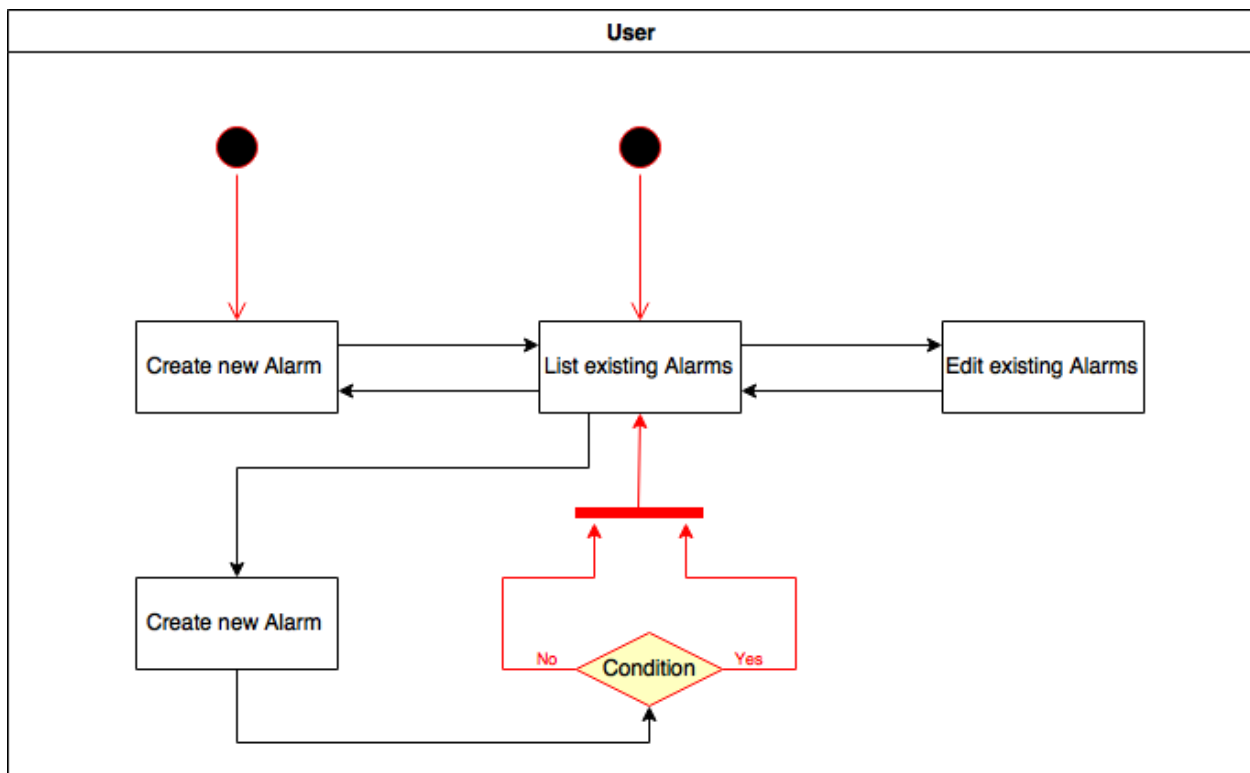
1.1 Brief Description

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

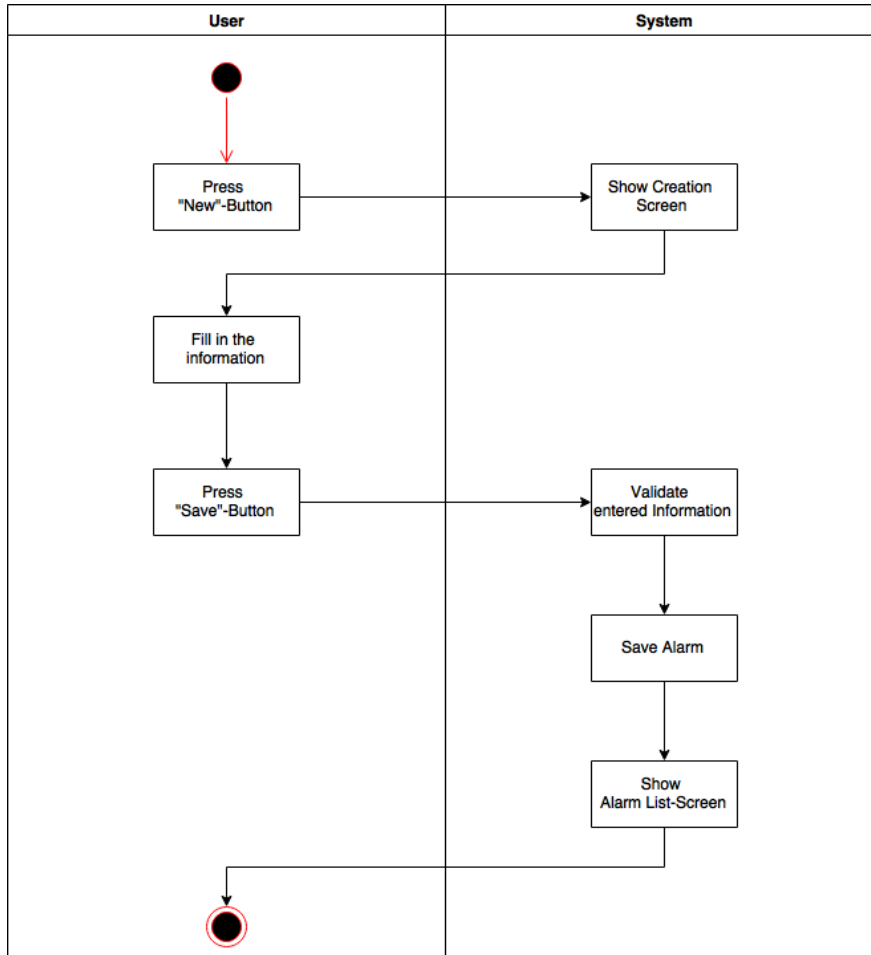
2.1 Basic Flow

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)



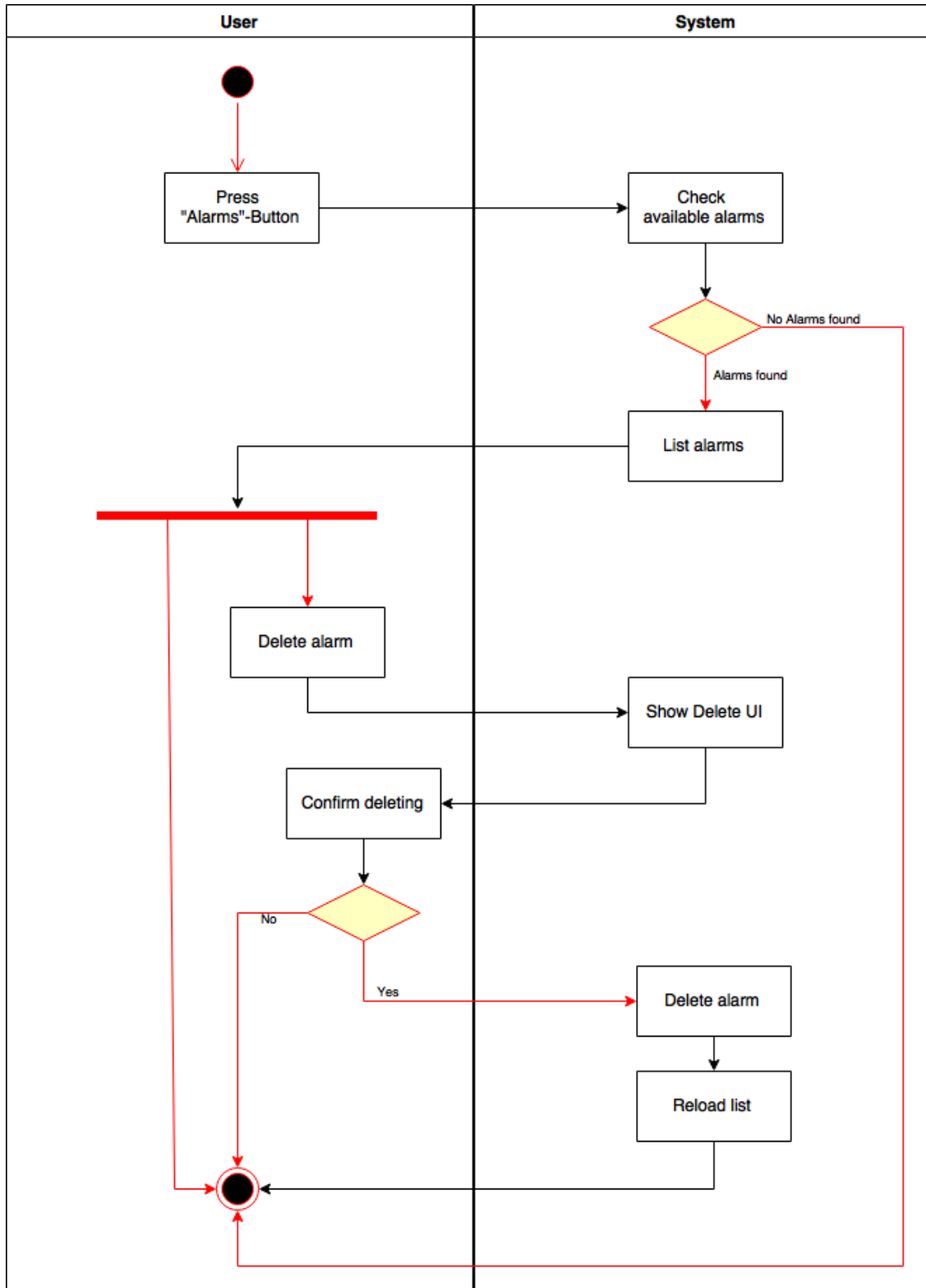
Simple Habits	Version: 1.4
Use-Case Specification: CRUD	Date: 16/05/17

A closer look at the activities in case the user decides to create a new alarm:



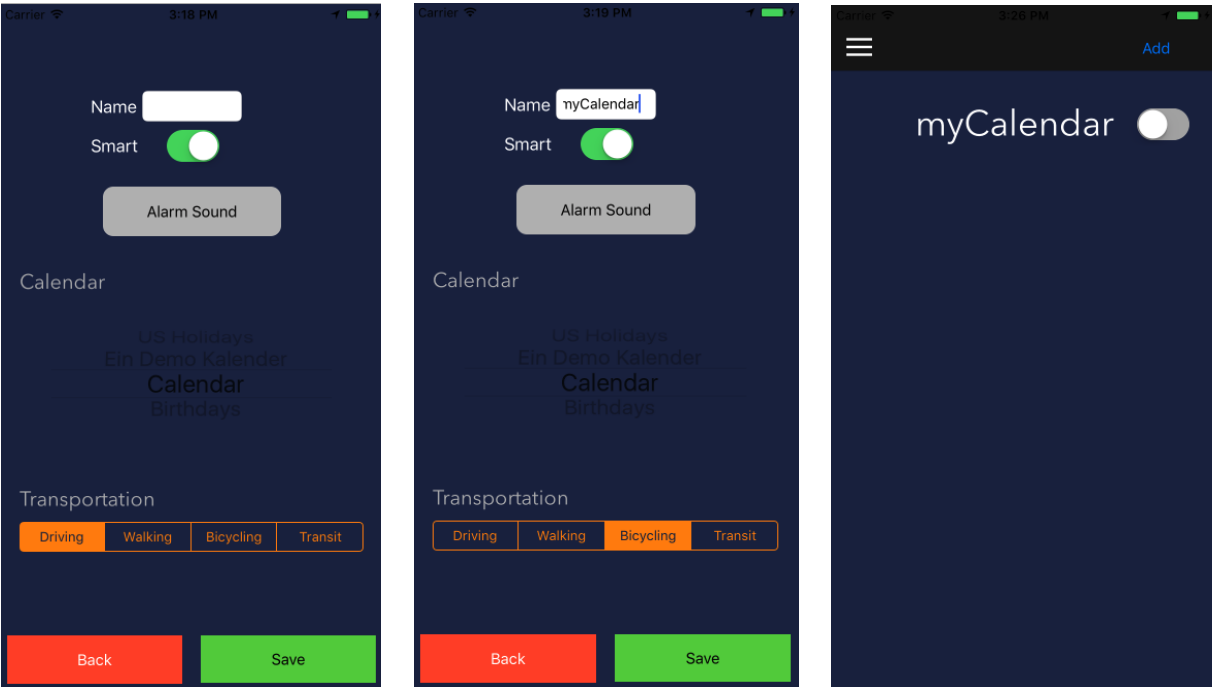
Simple Habits	Version: 1.4
Use-Case Specification: CRUD	Date: 16/05/17

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



Simple Habits	Version: 1.4
Use-Case Specification: CRUD	Date: 16/05/17

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 points
Number of User Input (EI)	4	1	0	0	0	2	4	12
Number of User Outputs (EO)	2	1	0	0	0	1	2	8
Number of User Inquiries (EQ)	0	1	0	0	0	0	0	0
Number of Files (ILF)	4	1	0	0	0	0	0	28
Number of External Interfaces (EIF)	0	1	0	0	0	0	0	0

8. Testing

[UI-Test](#)

[Unit-Test](#)