

080419Android Sticky Scheduler

Use Case Specification

Submitted to:

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Revision Control

History Revision:

<i>Revision Date</i>	<i>Person Responsible</i>	<i>Version Number</i>	<i>Modification</i>
10/03/14	Louie Buera	1.0	Initial Document.
10/09/14	Louie Buera	1.1	First Revision. Restructuring of Use Cases and Refinement of Diagrams.

Use-Case Name: 1.0 Input New Task

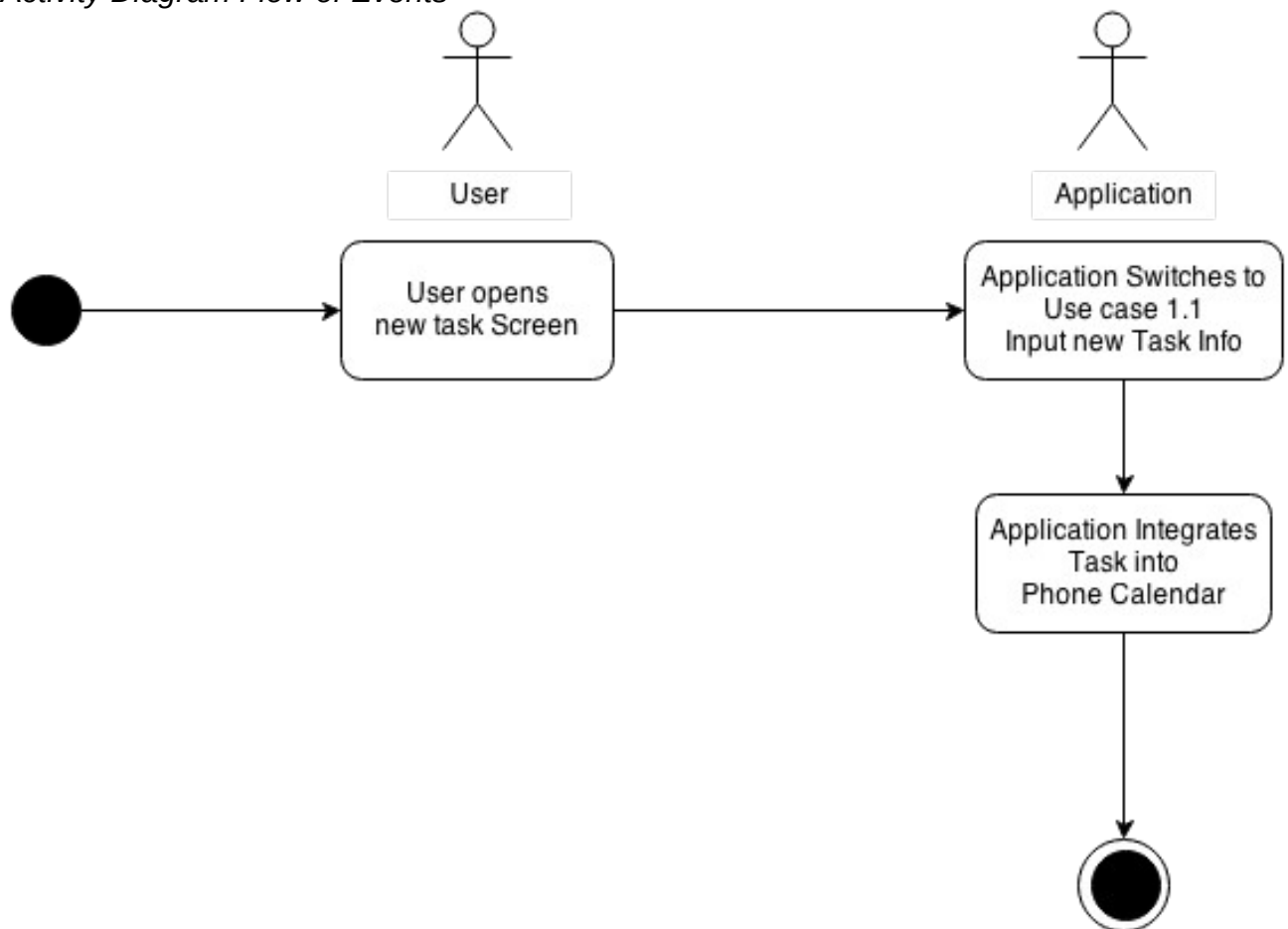
Description: The user inputs a new task. Program switches to Use Case 1.1. When a task has been input, the application should integrate the task into the phone calendar.

Preconditions: NONE

Flow of Events:

Scenario Name	Description
Scenario 1 (Basic Flow) User inputs task to the system.	1. User starts task input screen. 2. Application switches switches to Use Case 1.1 Input new task Information. 3. Application integrates task into Phone Calendar. 4. Use Case Ends Successfully.

Activity Diagram Flow of Events



Postcondition: New task has been integrated into phone calendar

Relationships: Includes Use Case 1.1 Input new task info
Extended by Use Case 1.2 Sync Alerts

Special Requirements: NONE

Use-Case Name: 1.1 Input New Task Info

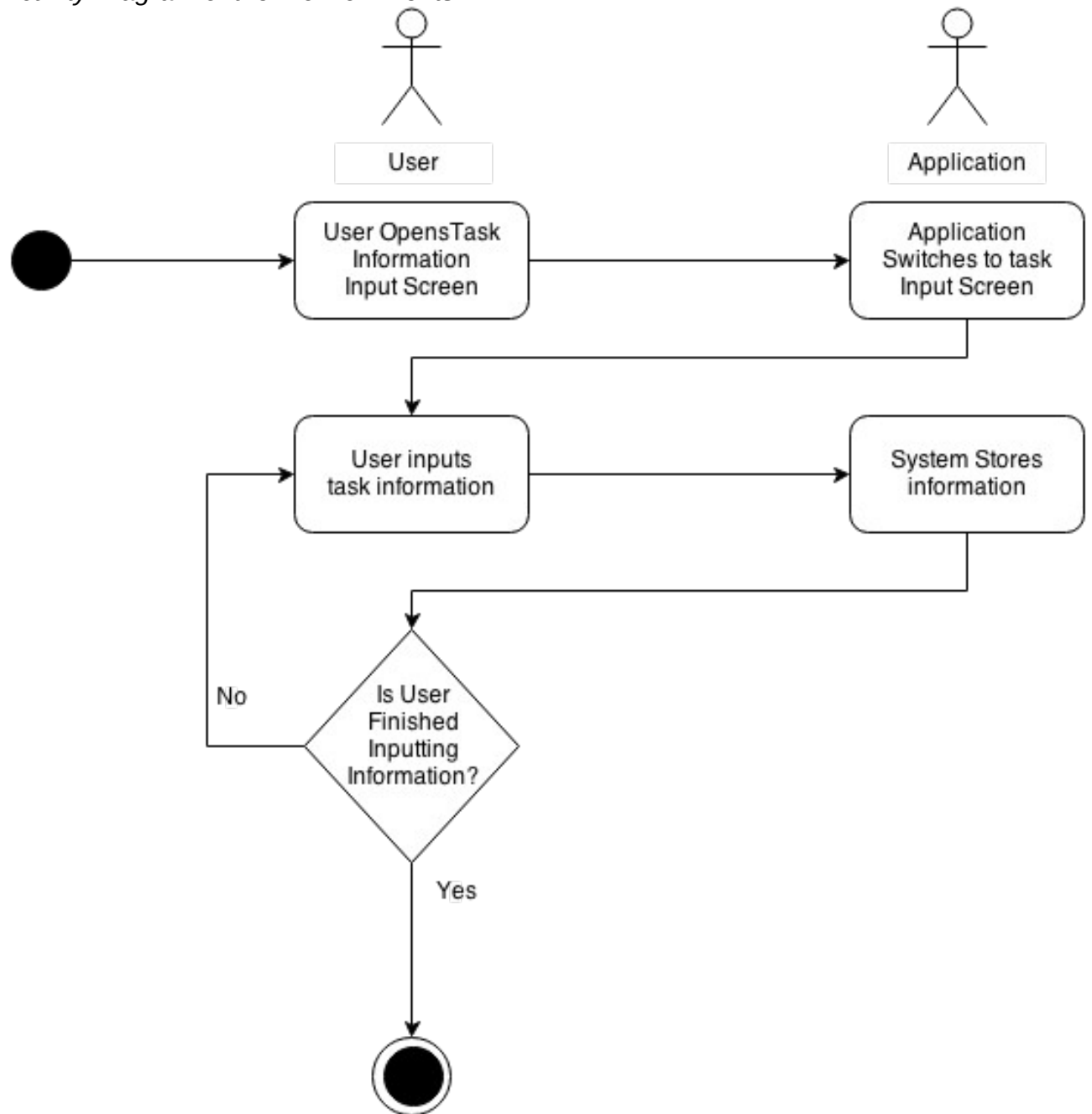
Description: The user would input the task name, time and date when it is to be accomplished, location where it is to be done. Notes may also be added.

Preconditions: User has stated inputting new task

Flow of Events:

Scenario Name	Description
Scenario 1 (Basic Flow) User submits information to the system.	<ol style="list-style-type: none">1. User opens task information input screen.2. Application switches to task input screen.3. User inputs task information.4. System stores information.5. Application checks if user is finished entering information. Repeat step 3 until user is finished.6. Use Case ends successfully.

Activity Diagram of the Flow of Events



Postcondition: Application has stored task information

Relationships: Is Included by Use Case 1.0 Input New Task
Includes Phone Calendar Integration

Special Requirements: NONE

Use-Case Name: Sync Alerts

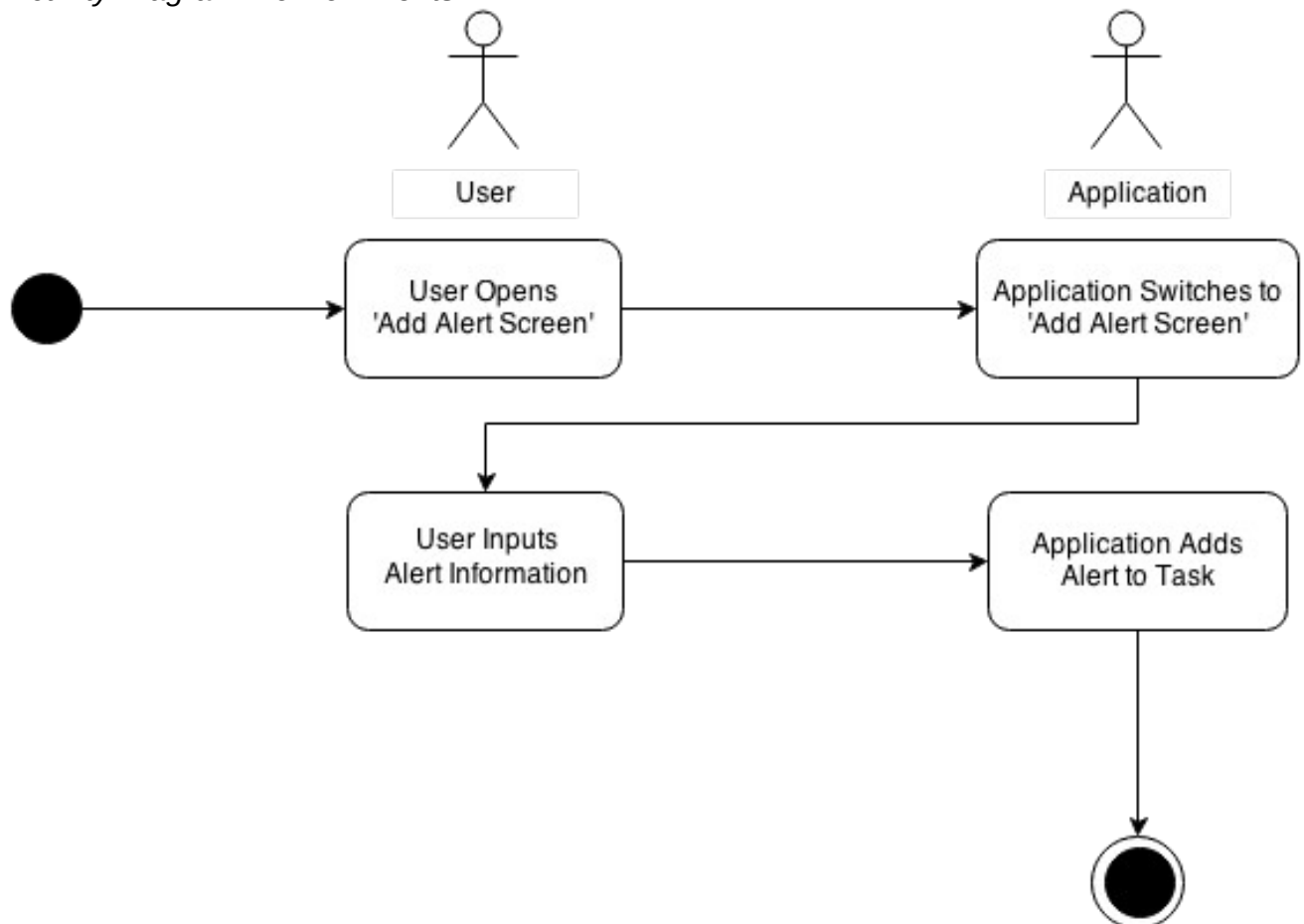
Description: The user would input when he wants to be reminded of the task via phone notifications. This includes the time, date and possibly the place when the task should be done

Preconditions: Must have either a new or preexisting task to add to Sync Alerts

Flow of Events:

Scenario Name	Description
Scenario 1 (Basic Flow) User submits notification information to the system.	1. User opens 'add alert' screen. 2. Application switches to 'add alert screen'. 3. User inputs alert information. 4. Application adds alert to task. 5. Use Case Ends Successfully

Activity Diagram Flow of Events



Postcondition: Alert added to new or preexisting task

Relationships: Extends Use Case 1.0 Input new Task
Is Included by Use Case 2.0 Phone Reminders

Special Requirements: NONE

Use-Case Name: 2.0 Phone Reminders

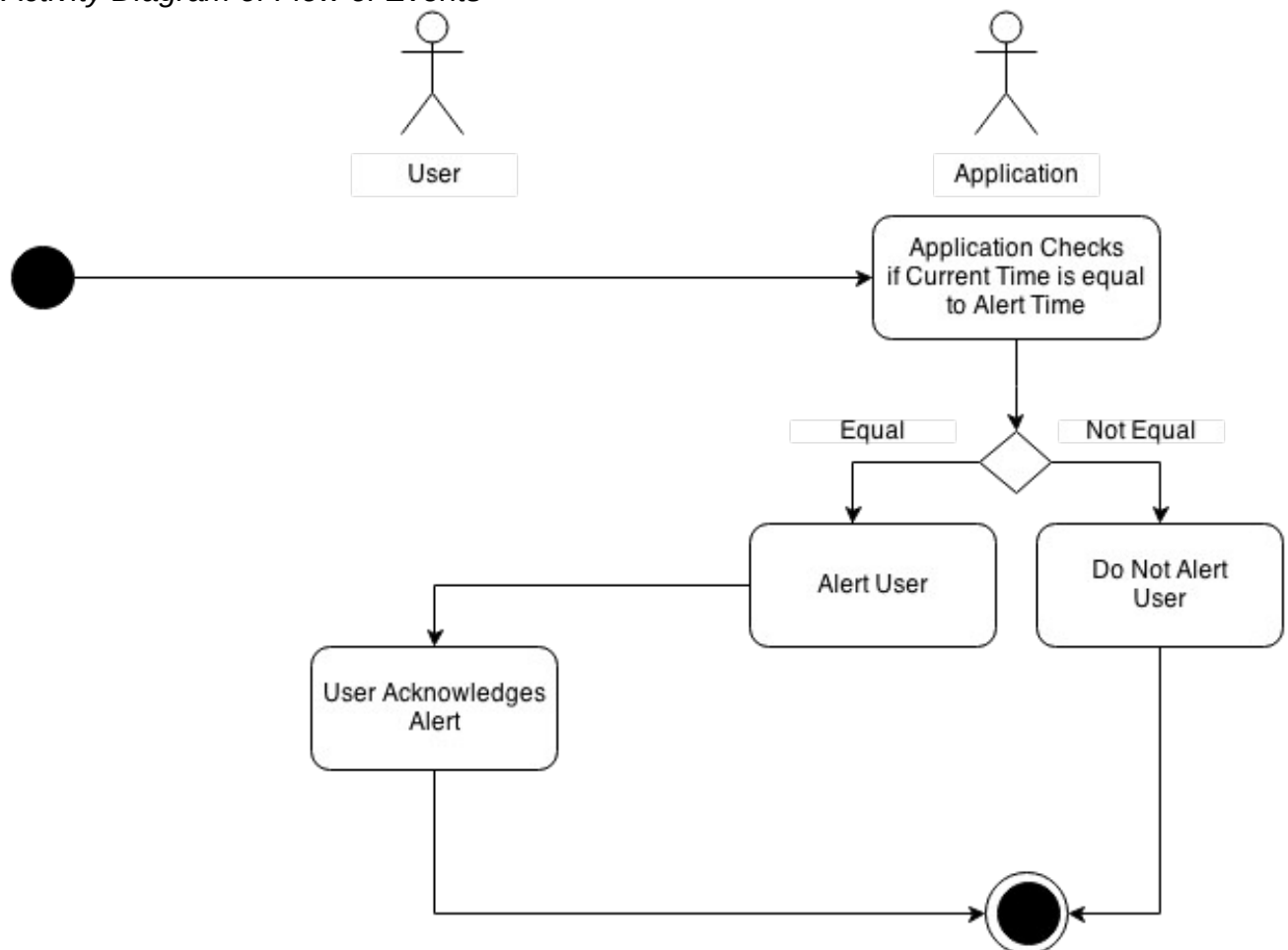
Description: The software should alert the user at the time when the user set the alert for a certain task

Preconditions: There must be a preexisting task with an associated alert

Flow of Events:

Scenario Name	Description
Scenario 1 (Basic Flow) Application checks alert time and alerts user due to alert time being equal to current time.	1. Application checks if alert time of the alert is equal to current time. 2. Alert time and Current time are equal. 3. Application alerts user. 4. User Acknowledges alert. 5. Use Case Ends Successfully.
Scenario 2 Application checks the alert time and does not alert the user due to alert time not being equal to current time.	1. Application checks if alert time of the alert is equal to current time. 2. Alert time and Current time are not equal. 3. Application does not alert user. 4. Use Case Ends Successfully

Activity Diagram of Flow of Events



Postcondition: User alerted, if correct time

Relationships: Includes Use Case 1.2 Sync Alerts

Special Requirements: NONE

Use-Case Name: 3.0 View Schedule

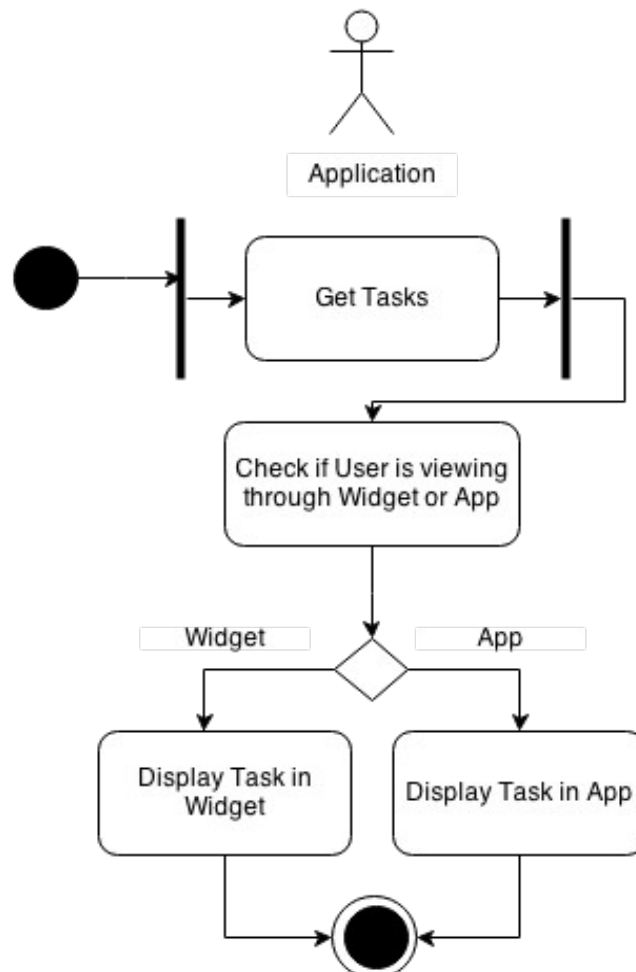
Description: The user may view the list of tasks through an interface either within the app itself or through widget support

Preconditions: NONE

Flow of Events:

Scenario Name	Description
Scenario 1 (Basic Flow) Display Task in Application	1. Application gets tasks to be viewed. 2. Check if user is viewing through App or Widget. User is viewing through app. 3. Application displays tasks in application. 4. Use Case Ends Successfully
Scenario 2 Display Task on Widget	1. Application gets tasks to be viewed. 2. Check if user is viewing through App or Widget. User is viewing through Widget. 3. Application displays tasks in Widget. 4. Use Case Ends Successfully

Activity Diagram Flow of Events



Postcondition: List of Tasks displayed to user

Relationships: NONE

Special Requirements: Widget Support