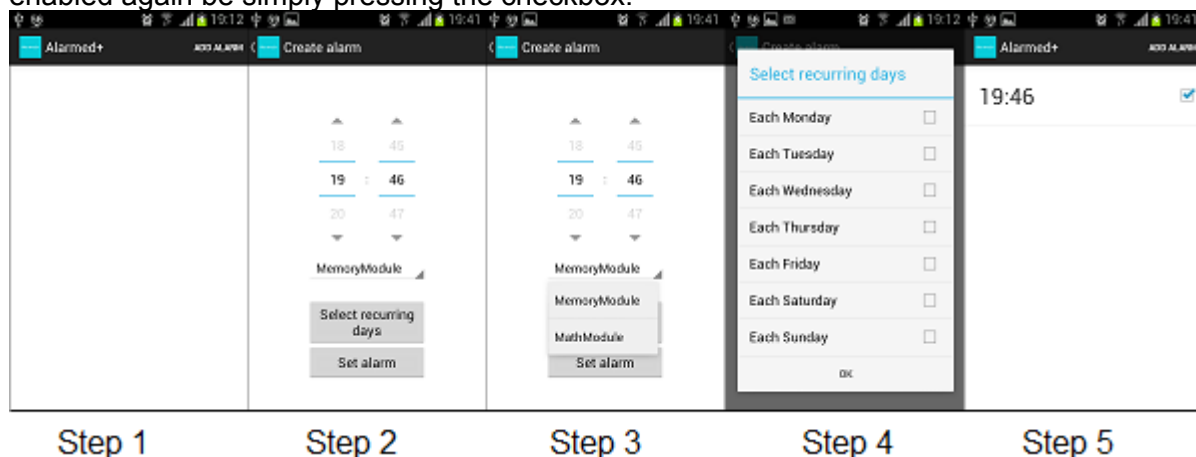# User Manual

For the application "Alarmed+"

Alarmed+ is a service for setting alarms that is unlocked when activated by solving a task. The service is only storing the alarms on your device and no network connection is needed to use the service.

The service will offer the possibility to add several alarms at different time, select different alarm tones, select the volume of an alarm, set recurring alarms, select different tasks to unlock the alarm with.

How to use the application

To start use the application create a new alarm by hitting "Add alarm". Please note that if you are using an android installation less than version 3.0, you will find the add alarm button by first pressing the menu button on your phone and then select add alarm from the menu that appears. Then select the time you want the alarm to activate, select what module you want to unlock the alarm with in the list and select what days you want the alarm to recur by hitting the "Select recurring days" button. Hit "Set Alarm" to create the alarm. When this is done you will be redirected to the screen where you can browse your alarms at.

When the clock hits the time that you set the alarm at your phone will wake up, if in locked mode, start the alarm tone and vibration and show a new activity that present a task to solve. When this task is solved your alarm will stop. The alarm will be marked as disable and can be enabled again be simply pressing the checkbox.

In the main view your are presented will all your alarms. If an alarm is active the checkbox next to the alarm time will be checked and you can toggle if the alarm should be active or disabled.

By longpressing on an alarm in the list you will be presented with an menu. In the menu you can choose to edit an alarm or delete it. If you press delete the alarm will be removed from the list. If

you press edit you will be taken to a new screen from where you can choose a new time for the alarm to be activated.
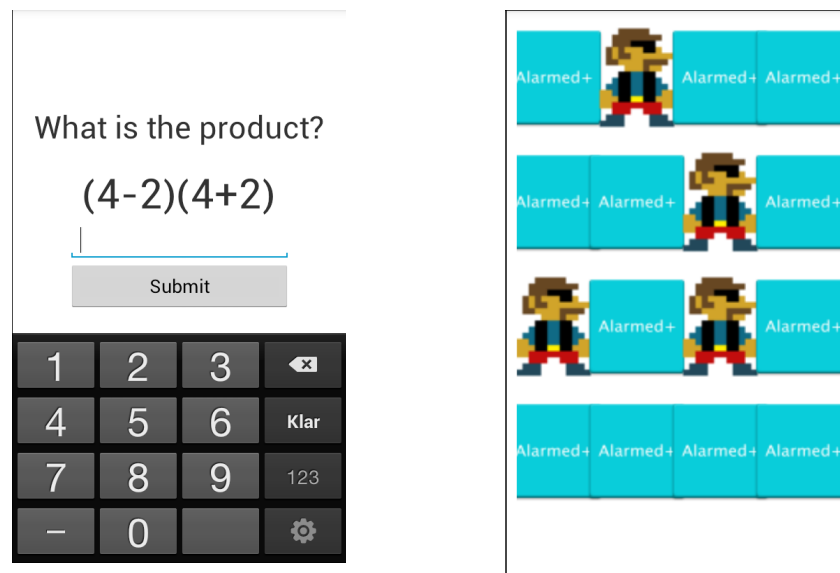
When an alarm is created a notification will also be created. This notification will always be shown while an alarm is enabled and will redirect you to the application if clicked.

The task-modules

An alarm is shut off by solving different tasks. Every task is solved in it's own way. At this point the application got two different modules, a mathematical module and a memory module.

Mathematical module

This task is solved by solving five following mathematical problems. It can be addition-, multiplication-, Fibonacci-, "finding the prime"-, factorial-, base switch-, modular- and difference of two squares problems.

Memory module

This task is simply a memory. When the memory is completed the alarm is shut off. The memory contains eight different pictures and therefore 16 cards.