Acceptance tests

As a user I want to be able to launch the application

Test case description: Launch the application.
Precondition: The application is installed and ready to run.
ID: #1.1
Test steps:
1. Launch the application Alarmed+.
2. Verify that the main activity and the "Add alarm"-button are visible.

Test case description: Launch the application from a shortcut
Precondition: The application is installed, a shortcut is created and ready to run.
ID: #1.2
Test steps:
1. Launch the application Alarmed+ from the created short cut.
2. Verify that the main activity and the "Add alarm"-button are visible.

As a user I want to be able to create an alarm

Test case description: Create an alarm.
Precondition: The application is running.
ID: #2.1
Test steps:
1. Click on the "Add alarm" button.
2. Select an optional time.
3. Select an optional task.
4. Select if you want the alarm to recur and on what days
5. Click the "Set alarm" button.
6. Verify that the alarm now is shown on the screen.
7. Verify that the alarm is enabled.

As a user I want to notice that the alarm has been activated

Test case description: Activate the alarm.
Precondition: The application is running and one alarm is created.
ID: #3.1
Test steps:
1. Verify that the alarm tone starting to sound at the set time.
2. Verify that the device start to vibrate at the set time.
3. Verify that the device shows a new activity at the set time.

Test case description: Activate the alarm and wake up device.
Precondition: An alarm is created and device is put in sleep/locked mode.
ID: #3.2
Test steps:
1. Verify that the alarm tone starting to sound at the set time.
2. Verify that the device start to vibrate at the set time.
3. Verify that the device wake up out of sleep/locked mode.
4. Verify that the device shows a new activity at the set time.

As a user I want to be able to edit an alarm

Test case description: Edit the time for an alarm
Precondition: The application is running and one alarm is created.
ID: #4.1
Test steps:
1. Longclick one created alarm.
2. Click "Edit Alarm".
3. Select an optional new time.
4. Click the "Set alarm" button.
5. Verify that the alarm time now is changed to the new one.

Test case description: Edit the task for an alarm
Precondition: The application is running and one alarm is created.
ID: #4.2
Test steps:
1. Longclick one created alarm.
2. Click "Edit Alarm".
3. Select an optional new task.
4. Click the "Set alarm" button.
5. Do step 1-2 again.
6. Verify that the alarm task now is changed to the new one.

Test case description: Edit the days for an alarm to recur.
Precondition: The application is running and one alarm is created.
ID: #4.3
Test steps:

1. Longclick one created alarm.
2. Click "Edit Alarm".
3. Click "Select recurring days"
4. Select what days you want the alarm to recur.
5. Click the "Set alarm" button.
6. Do steps 1-3 again.
7. Verify that the days the alarm recur now are changed.

As a user I want to be able to create multiple alarms

Test case description: Create multiple alarms
Precondition: The application is running and one alarm is created.
ID: #5.1
Test steps:
1. Click the "Add alarm" button.
2. Select an optional time.
3. Click the "Set alarm" button.
4. Verify that two alarms now are visible.

As a user I want to be able to browse all my alarms

Test case description: Browse the alarms.
Precondition: At least one alarm is created.
ID: #6.1
Test steps:
1. Open the application
2. Verify that you can see the created alarms.

Test case description: Browse more then x alarms.
Precondition: At least x alarm is created.
ID: #6.2
Test steps:
1. Open the application
2. Verify that you can see all the created alarms by scrolling in the Main activity

As a user I want to be able to shut off an alarm

Test case description: Shut off alarm by solving a math task
Precondition: One alarm is created and enabled
ID: #7.1
Test steps:
1. Solve five following mathematical problems that you are asked to solve.
2. Verify that the alarm is shut off.

3. Verify that the alarm is disabled

Test case description: Shut off alarm by solving a memory task
Precondition: One alarm is created and enabled.
ID: #7.2
Test steps:
1. Solve the memory that you are asked to solve.
2. Verify that the alarm is shut off.
3. Verify that the alarm is disabled.

Test case description: Shut off alarm and be returned to previous application
Precondition: One alarm is created and enabled
ID: #7.3
Test steps:
1. Open a random application and wait until the alarm activates
2. Solve the task that you are asked to solve.
3. Verify that the alarm is shut off.
4. Verify that the alarm is disabled.
5. Verify that you have been redirected to the application that was open before.

As a user I want to be able to remove an existing alarm

Test case description: Remove an existing alarm
Precondition: The application is running and one alarm is created.
ID: #8.1
Test steps:
1. Longclick one created alarm.
2. Click "Delete Alarm".
3. Verify that the alarm now are removed.

As a user I want to be able to disable an alarm

Test case description: Disable an existing alarm
Precondition: The application is running and one alarm is created.
ID: #9.1
Test steps:
1. Uncheck the checkbox to the right at one alarm.
2. Verify that the alarm doesn't activated at the set time.

As a user I want to be able to see in the statusbar that an alarm is set

Test case description: Notification is set
Precondition: The application is running and one alarm is created and enabled.
ID: #10.1
Test steps:
1. Verify that the *Alarmed+* icon is visible in the statusbar
2. Drag down the statusbar.
3. Verify that an ongoing notification for *Alarmed+* is visible.
4. Verify that the notification shows the right time for the next enabled alarm.

Test case description: Notification is set and no other alarms is scheduled after.
Precondition: The application is running and only one alarm is created and enabled. There is no other alarms scheduled to run after this alarm.
ID: #10.2
Test steps:
1. Verify that the *Alarmed+* icon is visible in the statusbar
2. Drag down the statusbar.
3. Verify that an ongoing notification for *Alarmed+* is visible.
4. Verify that the notification shows the right time for the next enabled alarm.

Test case description: Notification is set and is an ongoing notification and is clickable.
Precondition: The application is running and one alarm is created and enabled. The notification is in the list of the ongoing notifications in the notification dropdown.
ID: #10.3
Test steps:
1. Verify that the *Alarmed+* icon is visible in the statusbar
2. Drag down the statusbar.
3. Verify that an ongoing notification for *Alarmed+* is visible.
4. Verify that the notification shows the right time for the next enabled alarm.
5. Then click on the notification
6. Verify that you are taken into the applications MainActivity.

Test case description: Notification is set and is an ongoing notification and remains when pressed.
Precondition: The application is running and one alarm is created and enabled. The notification is in the list of the ongoing notifications in the notification dropdown.
ID: #10.4
Test steps:
1. Verify that the *Alarmed+* icon is visible in the statusbar
2. Drag down the statusbar.
3. Verify that an ongoing notification for *Alarmed+* is visible.
4. Verify that the notification shows the right time for the next enabled alarm.

5. Then click on the notification.
6. Verify that you are taken to the applications MainActivity.
7. Repeat step 2.
8. Verify step 3 and 4.

As a user I want to be able to choose different alarm tones

Test case description: Choose different alarm tones.
Precondition: The application is running and the user is in the MainActivity.
ID: #11.1
Test steps:
1. Click on the "Add alarm" button.
2. Verify that you have the option to press on a button called: Select alarmtone
3. Click on that button.
4. Verify that you are presented with an dialog of available alarm tones.
5. Click on an optional alarm tone.
6. Verify that its been selected and that the dialog is closed.

As a user I want to be able to change the alarm volume

Test case description: Change the volume of the alarm
Precondition: The application is running and the user is in the MainActivity.
ID: #12.1
Test steps:
1. Click on the "Add alarm" button.
2. Verify that you have the option to press on a button called: Select Volume
3. Click on that button.
4. Verify that you are presented with an dialog that contains an slider.
5. Verify that you can use the slider to change the value of the slider.
6. Click on the ok button.
7. Verify that its been selected and that the dialog is closed.

As a user I want to be able to choose if the phone should vibrate or just play an alarm tone or both

Test case description: Device only plays alarm tone.
Precondition: The application is running and the user is in the MainActivity.
ID: #13.1
Test steps:
1. Click on the "Add alarm" button.
2. Set the time to an optional time.
3. Verify that you have the option to press on a button called: Select Volume

4. Click on that button.
5. Verify that you are presented with an dialog that contains an slider and a checkbox.
6. Verify that you can use the slider to change the value of the slider.
7. Set the slider to an optional value (except from 0, to the very left)
8. Uncheck the checkbox next to "Enable vibration"
9. Click on the ok button.
10. Verify that its been selected and that the dialog is closed.
11. Verify that the device sound when it activates at the set time.
12. Verify that the deivice doesn't vibrate when it activates at the set time.

Test case description: Device only vibrates
Precondition: The application is running and the user is in the MainActivity.
ID: #13.2
Test steps:
1. Click on the "Add alarm" button.
2. Set the time to an optional time.
3. Verify that you have the option to press on a button called: Select Volume
4. Click on that button.
5. Verify that you are presented with an dialog that contains an slider and a checkbox.
6. Verify that you can use the slider to change the value of the slider.
7. Set the slider to the very left, the value 0
8. Check the checkbox next to "Enable vibration"
9. Click on the ok button.
10. Verify that its been selected and that the dialog is closed.
11. Verify that the device doesn't sound when it activates at the set time.
12. Verify that the device vibrate when it activates at the set time.

Test case description: Device both vibrates and play the alarmtone
Precondition: The application is running and the user is in the MainActivity.
ID: #13.3
Test steps:
1. Click on the "Add alarm" button.
2. Set the time to an optional time.
3. Verify that you have the option to press on a button called: Select Volume
4. Click on that button.
5. Verify that you are presented with an dialog that contains an slider and a checkbox.
6. Verify that you can use the slider to change the value of the slider.
7. Set the slider to an optional value (except from 0, to the very left)
8. Check the checkbox next to "Enable vibration"
9. Click on the ok button.
10. Verify that its been selected and that the dialog is closed.
11. Verify that the device sound when it activates at the set time.
12. Verify that the device vibrate when it activates at the set time.