WaterMe
Use-Case Specification: Enable Bluetooth

Version 1.0

Revision History

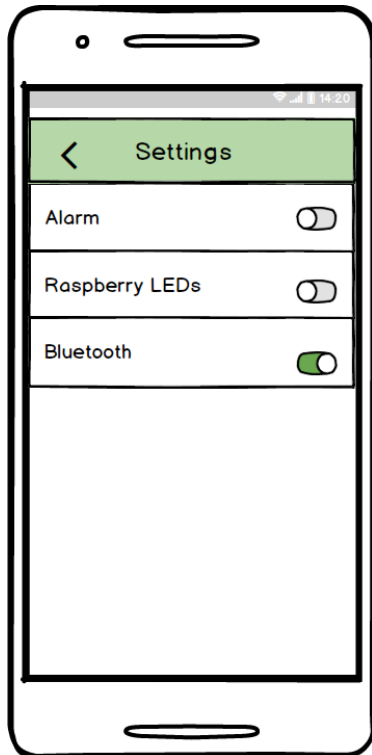| Date	Version	Description	Author
13/Jun/2017	1.0	First Version	Paul Giesa
13/Jun/2017	1.1	Tests added	Olga Akymenko

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Use-Case Specification: Enable Alarm

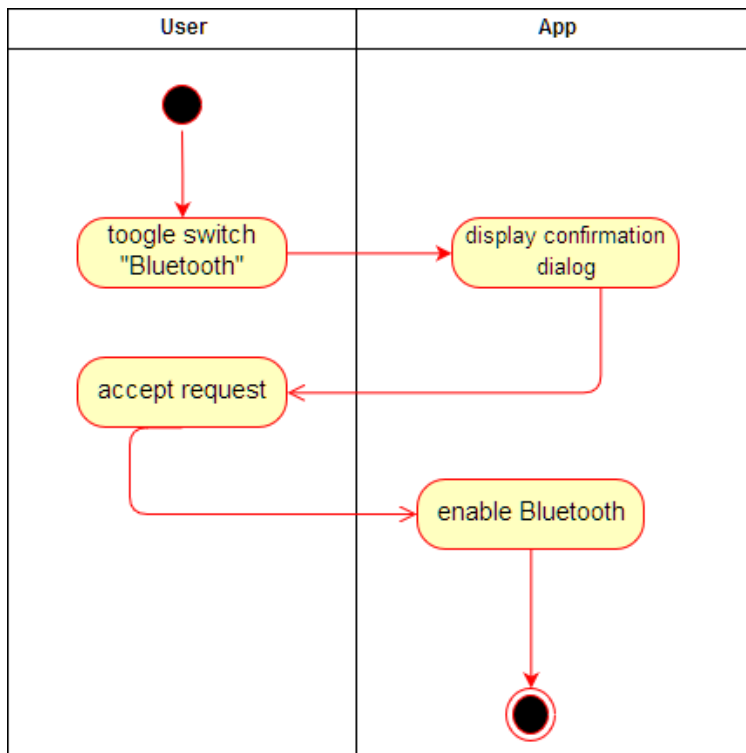## 1. Use-Case Name

1.1 Brief Description

The user can decide whether the buzzer should make sounds when the humidity level is critical.

1.2 Mockup

2. Flow of Events

2.1 Basic Flow

3. Espresso test

```java
package com.project.gta.demo;


import android.os.SystemClock;
import android.support.test.espresso.ViewInteraction;
import android.support.test.rule.ActivityTestRule;
import android.support.test.runner.AndroidJUnit4;
import android.test.suitebuilder.annotation.LargeTest;

import org.junit.Rule;
import org.junit.Test;
import org.junit.runner.RunWith;

import static android.support.test.espresso.Espresso.onView;
import static android.support.test.espresso.action.ViewActions.click;
import static android.support.test.espresso.matcher.ViewMatchers.isDisplayed;
import static android.support.test.espresso.matcher.ViewMatchers.withId;
import static android.support.test.espresso.matcher.ViewMatchers.withParent;
import static android.support.test.espresso.matcher.ViewMatchers.withText;
import static org.hamcrest.Matchers.allOf;

@LargeTest
@RunWith(AndroidJUnit4.class)
public class UCEnableA {
```

```java
    @Rule
    public ActivityTestRule<MainMenu> mActivityTestRule = new
ActivityTestRule<>(MainMenu.class);

    @Test
    public void uCEnableBluetooth() {
        ViewInteraction appCompatButton = onView(
                allOf(withId(R.id.BTNsettings), withText("Settings"),
                        withParent(allOf(withId(R.id.mainmenu),

withParent(withId(R.id.activity_main_menu)))),
                        isDisplayed()));
        appCompatButton.perform(click());

        ViewInteraction switch_ = onView(
                allOf(withId(R.id.SWbluetooth), isDisplayed()));
        switch_.perform(click());
        SystemClock.sleep(5000);

    }

}
```

4.   Preconditions

The user needs to be in the settings menu.

5.   Postconditions

Bluetooth is enabled.

6.   Function Points

Domain Characteristic Table

MEASUREMENT PARAMETER	COUNT (value >= 0)	WEIGHTING FACTOR		
		Simple	Average	Complex
Number of User Input	0	●	○	○
Number of User Outputs	0	●	○	○
Number of User Inquiries	2	●	○	○
Number of Files	0	●	○	○
Number of External Interfaces	1	○	●	○

Complexity Adjustment Table | FP Calculation