

GTA-Group

WaterMe

Use-Case Specification: Visit help menu

Version 1.3

Revision History

Date	Version	Description	Author
06.12.2016	1.0		Paul Giesa
07.12.2016	1.1	Added mockup	Chris Todt
08.12.2016	1.2	Added Espresso test	Chris Todt
01.05.2017	1.3	Added FP-Calculation	Olga Akymenko

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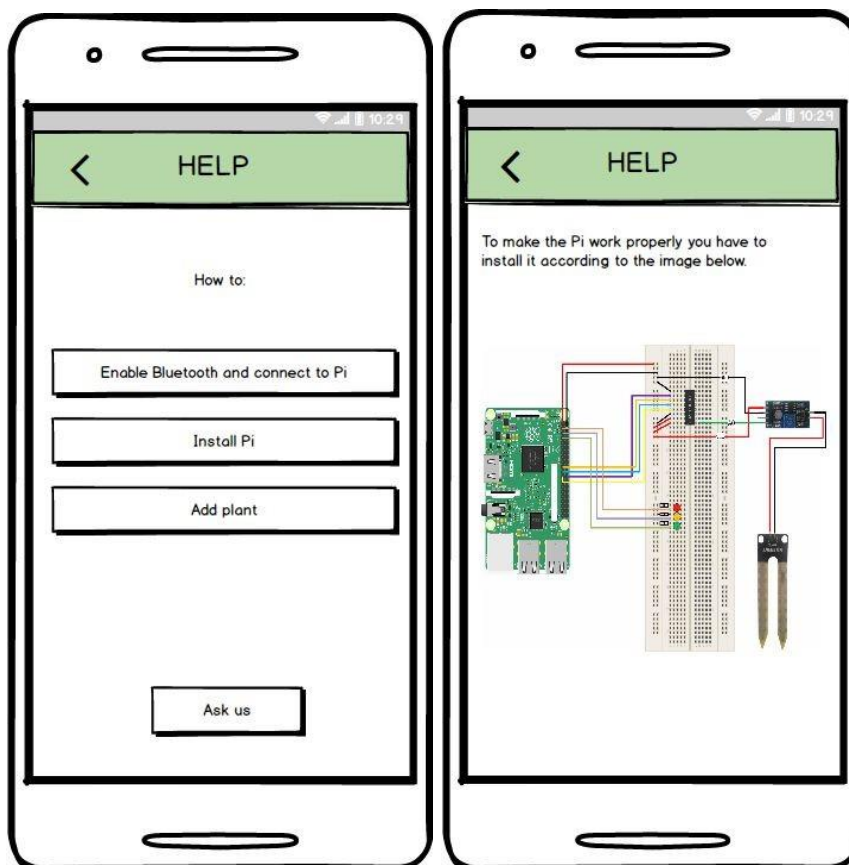
Use-Case Specification: Visit help menu

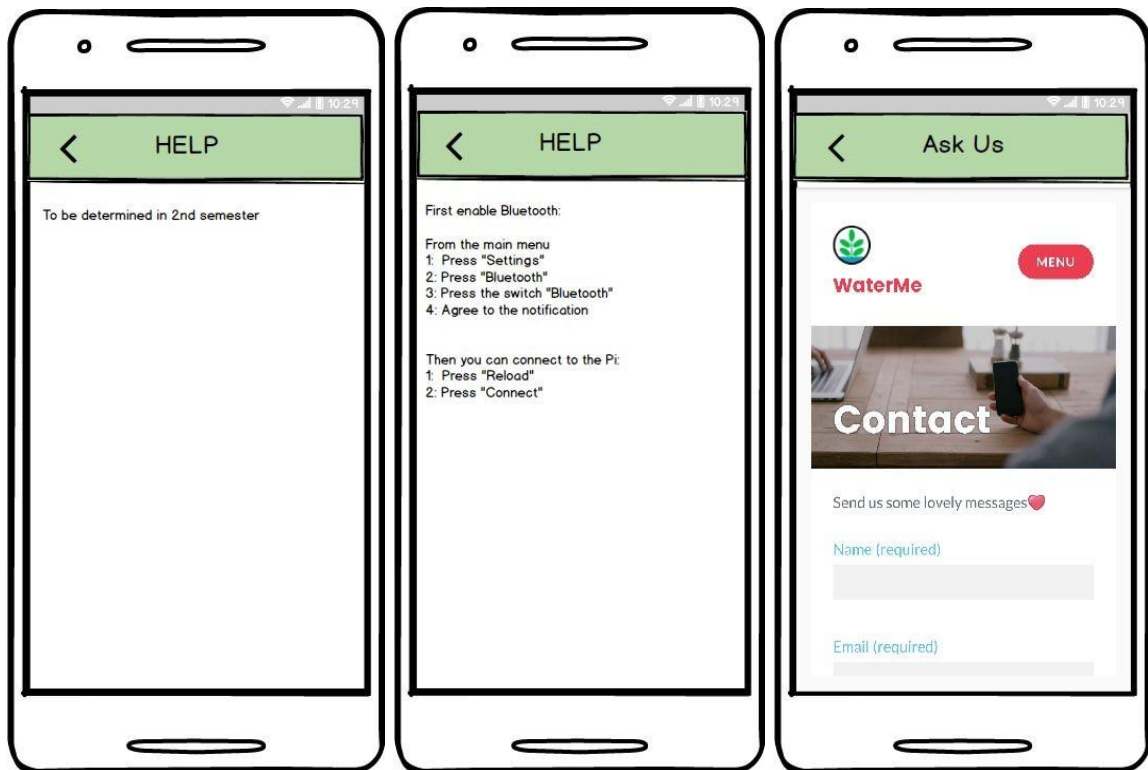
1. Visit help menu

1.1 Brief Description

In case the user does not know how to set up the Pi or other hardware, connect to the pi, add new plant or has other questions he can visit the help menu

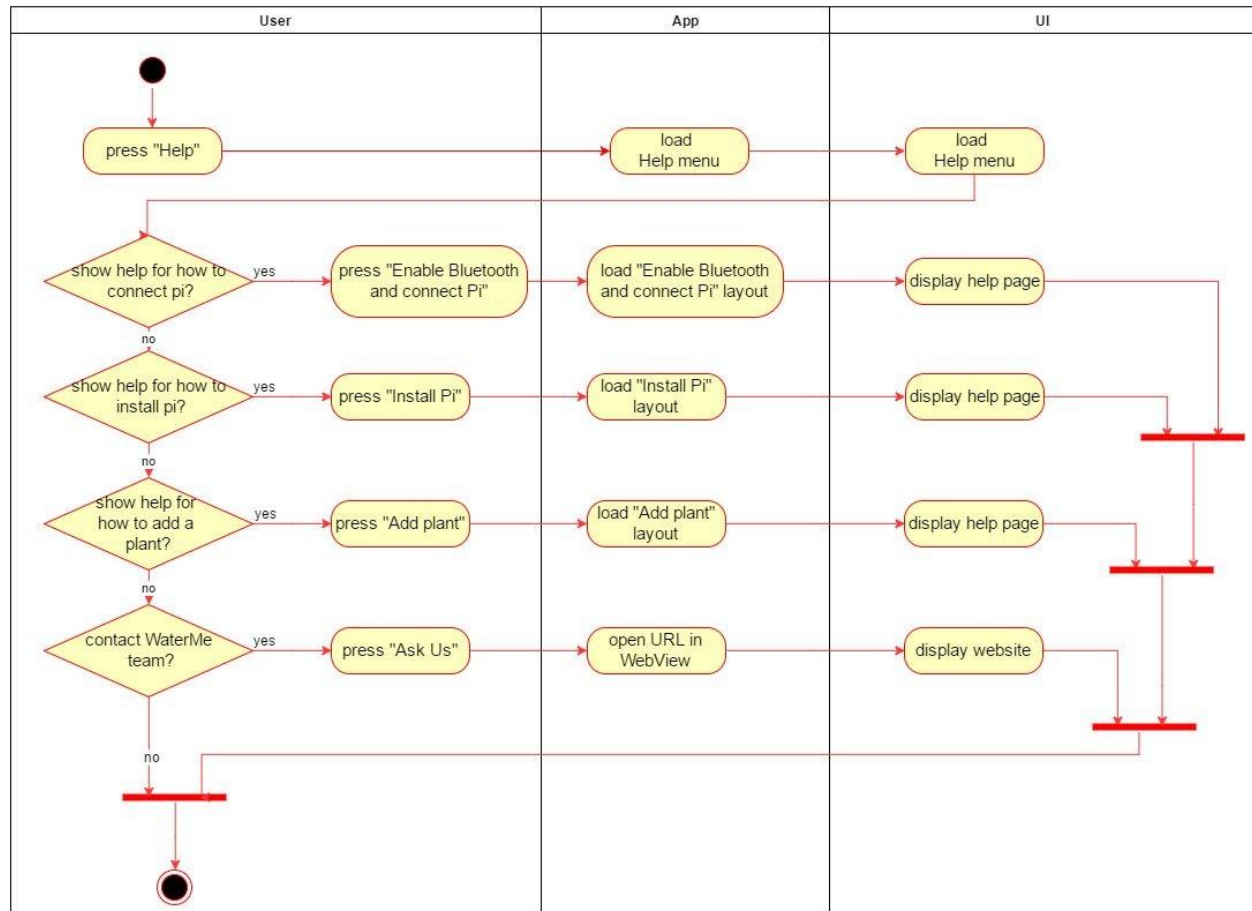
1.2 Mockup





2. Flow of Events

2.1 Basic Flow



3. Espresso test

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

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.withContentDescription;
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 UCVisitHelpMenu {

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

    @Test
    public void uCVisitHelpMenu() {
        ViewInteraction appCompatButton = onView(
            allOf(withId(R.id.BTNhelp), withText("Help"),
                withParent(allOf(withId(R.id.mainmenu),
                    withParent(withId(R.id.activity_main_menu)))),
                isDisplayed()));
        appCompatButton.perform(click());

        ViewInteraction appCompatButton2 = onView(
            allOf(withId(R.id.BTNhelpBluetoothPi), withText("Enable Bluetooth and connect
Pi"), isDisplayed()));
        appCompatButton2.perform(click());

        ViewInteraction appCompatImageButton = onView(
            allOf(withContentDescription("Nach oben"),
                withParent(allOf(withId(R.id.action_bar),
                    withParent(withId(R.id.action_bar_container)))),
                isDisplayed()));
        appCompatImageButton.perform(click());
    }
}
```

```
ViewInteraction appCompatButton3 = onView(
    allOf(withId(R.id.BTNhelp), withText("Help"),
        withParent(allOf(withId(R.id.mainmenu),
            withParent(withId(R.id.activity_main_menu)))),
        isDisplayed()));
appCompatButton3.perform(click());

ViewInteraction appCompatButton4 = onView(
    allOf(withId(R.id.BTNhelpInstallPi), withText("Install Pi"), isDisplayed()));
appCompatButton4.perform(click());

ViewInteraction appCompatImageButton2 = onView(
    allOf(withContentDescription("Nach oben"),
        withParent(allOf(withId(R.id.action_bar),
            withParent(withId(R.id.action_bar_container)))),
        isDisplayed()));
appCompatImageButton2.perform(click());

ViewInteraction appCompatButton5 = onView(
    allOf(withId(R.id.BTNhelp), withText("Help"),
        withParent(allOf(withId(R.id.mainmenu),
            withParent(withId(R.id.activity_main_menu)))),
        isDisplayed()));
appCompatButton5.perform(click());

ViewInteraction appCompatButton6 = onView(
    allOf(withId(R.id.BTNhelpAddPlant), withText("Add plant"), isDisplayed()));
appCompatButton6.perform(click());

ViewInteraction appCompatImageButton3 = onView(
    allOf(withContentDescription("Nach oben"),
        withParent(allOf(withId(R.id.action_bar),
            withParent(withId(R.id.action_bar_container)))),
        isDisplayed()));
appCompatImageButton3.perform(click());

ViewInteraction appCompatButton7 = onView(
    allOf(withId(R.id.BTNhelp), withText("Help"),
        withParent(allOf(withId(R.id.mainmenu),
            withParent(withId(R.id.activity_main_menu)))),
        isDisplayed()));
appCompatButton7.perform(click());

ViewInteraction appCompatButton8 = onView(
    allOf(withId(R.id.BTNhelpAskus), withText("Ask Us"),
        withParent(allOf(withId(R.id.activity_help_menu),
            withParent(withId(android.R.id.content)))),
        isDisplayed()));
appCompatButton8.perform(click());

ViewInteraction appCompatImageButton4 = onView(
    allOf(withContentDescription("Nach oben"),
```



```
        withParent(allOf(withId(R.id.action_bar),
            withParent(withId(R.id.action_bar_container)))),
        isDisplayed());
appCompatImageButton4.perform(click());

ViewInteraction appCompatImageButton5 = onView(
    allOf(withIdContentDescription("Nach oben"),
        withParent(allOf(withId(R.id.action_bar),
            withParent(withId(R.id.action_bar_container)))),
        isDisplayed());
appCompatImageButton5.perform(click());
    }
}
```

4. Special Requirements

(n/a)

5. Preconditions

5.1 Main Menu

The user has to be in the main menu to access the help menu

6. Postconditions

(n/a)

8. FP-Calculation

Calculation of DET/RET/FTR: [DET/RET/FTR Table](#)

Domain Characteristic Table

MEASUREMENT PARAMETER	COUNT (value >= 0)	WEIGHTING FACTOR		
		Simple	Average	Complex
Number of User Input	0	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
Number of User Outputs	0	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
Number of User Inquiries	5	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
Number of Files	0	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
Number of External Interfaces	1	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>

[Complexity Adjustment Table](#) | [FP Calculation](#)

8. Extension Points

(n/a)