Rules

[Introduction 1](#_Toc121744380)

[Meaning of framework 1](#_Toc121744381)

[Activity rules 1](#_Toc121744382)

[Repository rules 1](#_Toc121744383)

# Introduction

This document does not claim to explain repository framework and the best practice, so I let’s just assume that you know the argument.

# Meaning of framework

This framework permit to write and test avr microcontroller functions without a real microcontroller.

It consist in Repository, Activity,Model,Business layers

With this framework you can write tests who become code when you will connect your device,implement test during release code and continuos integration ……...

Test project must not know real implementation to microcontroller , it doesn’t know real command to

get pin value or other, because test project has no microcontroller library.

# Activity rules

…….

# Repository rules

Repository is the only way to connect with microcontroller. It’s the mocked layer!

There are many repository and we have to create a new one when we need to declare a new Library.

It’s advisable to use one library at a time in a repository to avoid conflicts.

For example, Ultrasonic sensor uses two digit ports and you could inject an AvrMicroRepository in a

UltrasonicActivity method. Unfortunately ultrasonic sensor uses the “Ultrasonic.h” library to convert

pulses in distance object and we can’t include an avr library in the Activity layer.