

Testautomatisering, van flop naar top!

Polteq conferentie, Wim ten Tusscher

**challenge
US**

Een ezel stoot zich in het gemeen geen tweemaal aan dezelfde steen...



Flop test automatisering



Overeenkomsten flop

Apart technologie-
project, lage prio

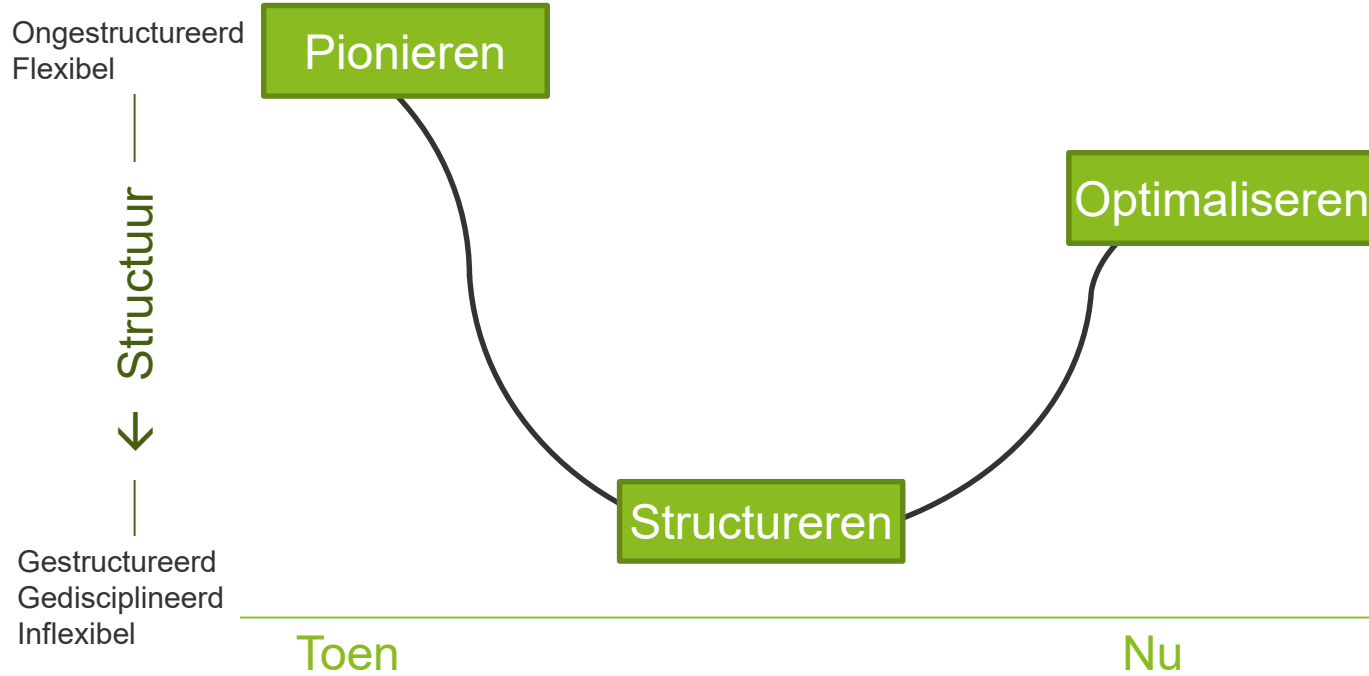
Vage doelen
zonder strategie
en deadlines

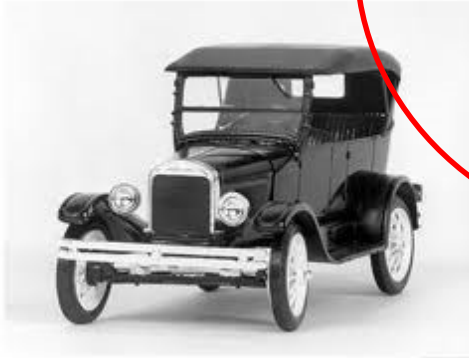
Automatisering
van bestaande,
handmatige tests

De tools waren
leidend



De wereld verandert



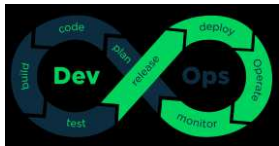


De testwereld verandert

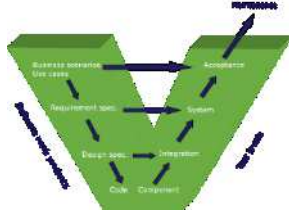
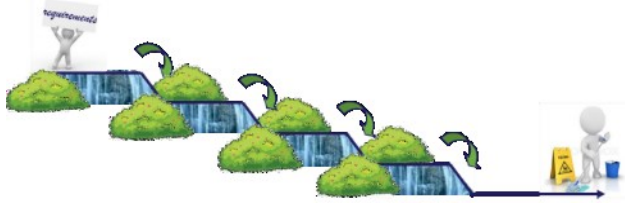
Pionieren



Optimaliseren

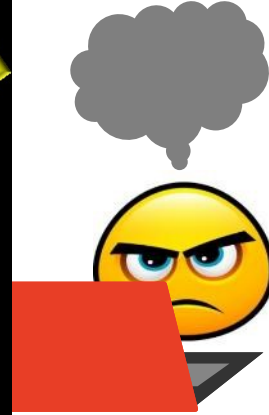


Structureren



Een constant groeiend product

Als een product constant groeit, dan is het belangrijk om te testen.



... maar ook het risico op regressie!

Top test automatisering



Als je een rekenmachine wilt gebruiken moet je wel kunnen rekenen!

■ Professioneel testen

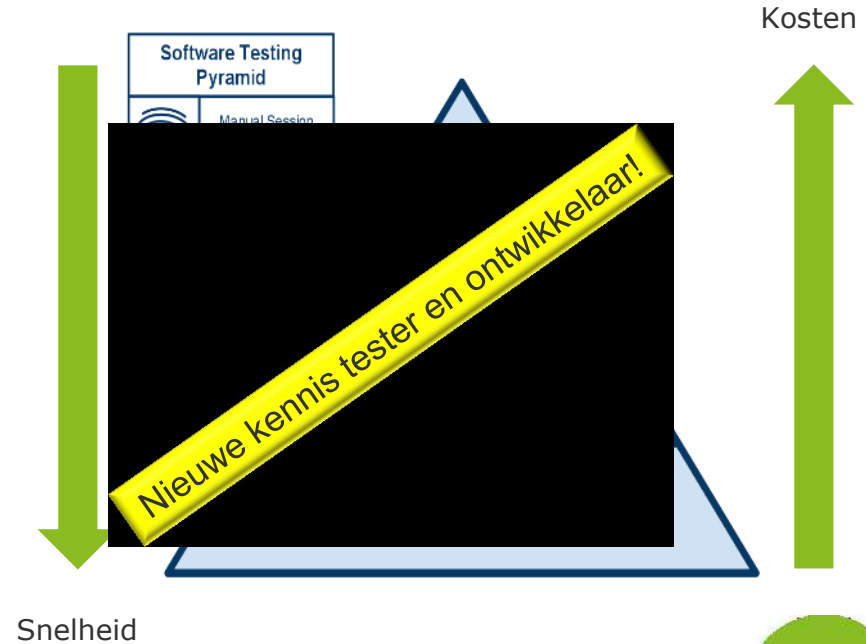
Testmanagement
Testaanpak
Testanalyse
Testdoelen
Testfocus

Niet
Tools
OpenSource
Licensed
Integratie
Welge

■ Testautomatiseringsstrategie



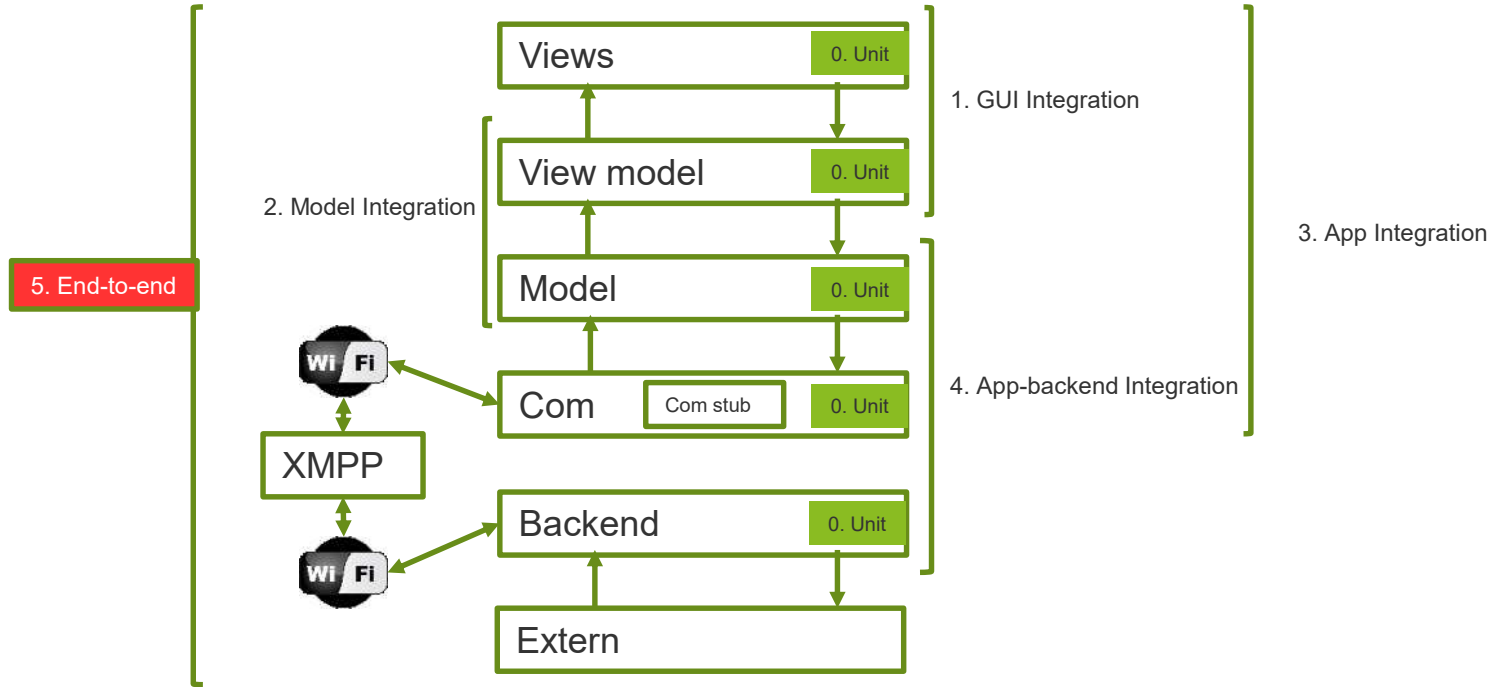
Worst practise: automatiseer de handmatige tests



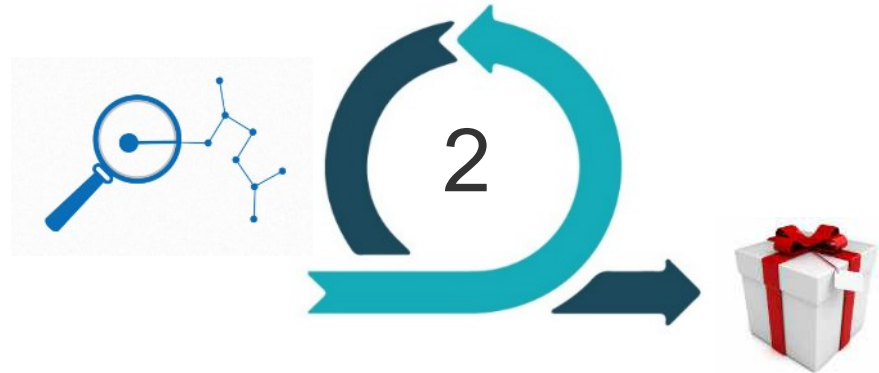
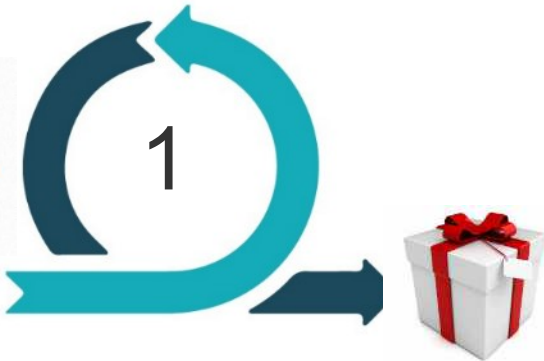
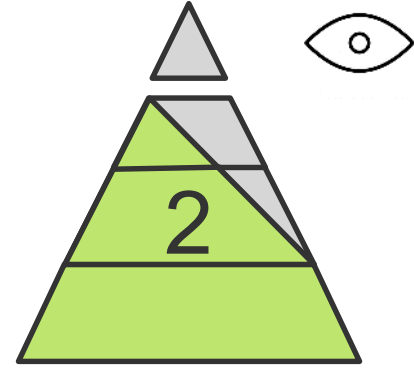
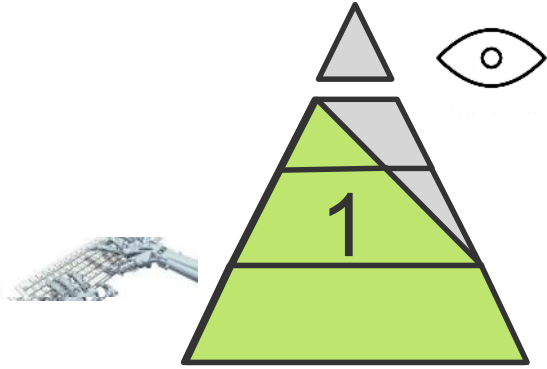
Test levels



Test levels



Regressietest = subset sprinttest



Testautomatisering = code ontwikkeling

■ Architectuur

■ Versiebeheer

■ Codering standaarden

■ Code review

■ Test de code

■ Refactor

```
package newproject;
import org.openqa.selenium.WebDriver;
import org.openqa.selenium.firefox.FirefoxDriver;
//comment the above line and uncomment below line to use Chrome
//import org.openqa.selenium.chrome.ChromeDriver;
public class PGI {

    public static void main(String[] args) {
        // declaration and instantiation of objects/variables
        System.setProperty("webdriver.firefox.marionette", "C:\\geckodriver.exe");
        WebDriver driver = new FirefoxDriver();
        //comment the above 2 lines and uncomment below 2 lines to use Chrome
        //System.setProperty("webdriver.chrome.driver", "G:\\chromedriver.exe");
        //WebDriver driver = new ChromeDriver();

        String baseUrl = "http://demo.guru99.com/selenium/newtours/";
        String expectedTitle = "Welcome: Mercury Tours";
        String actualTitle = "";

        // launch Fire fox and direct it to the Base URL
        driver.get(baseUrl);

        // get the actual value of the title
        actualTitle = driver.getTitle();

        /*
         * compare the actual title of the page with the expected one and print
         * the result as "Passed" or "Failed"
         */
        if (actualTitle.contentEquals(expectedTitle)){
            System.out.println("Test Passed!");
        } else {
            System.out.println("Test Failed");
        }

        //close Fire fox
        driver.close();
    }
}
```


Onlosmakelijk verbonden met productontwikkeling

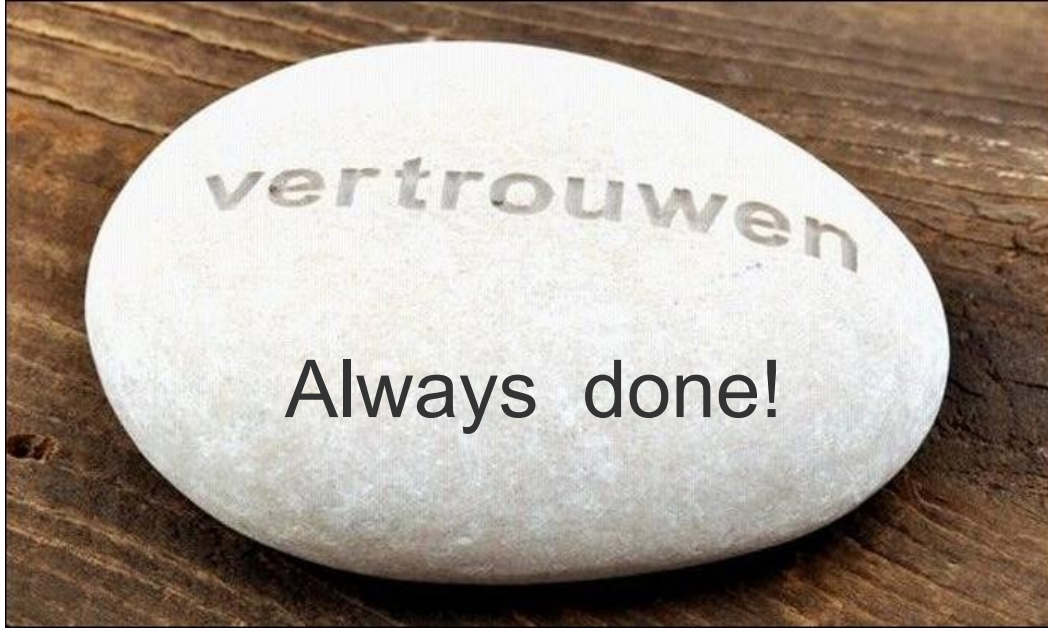
Team

Refinement



Testbaarheid

Vertrouwen



Geen doel op zich!

ROI



Just enough!

Context

Risico gebaseerd



Is een must!

Met kennis van testen

Behandeld als codeontwikkeling

Zorgt voor vertrouwen in het product

Altijd, want, piramides staan, ijsjes smelten

