# 1. Test Plan

Create the number of test cases needed to assure the quality of the page.

## 1.1. Validate that correct filtering is done:

- For each field (combobox, text box and menus) shown above in the page.

- For each Tab (All, New, Used).

- For Popular fields.

- For Sort By combobox.

- When choosing the above four filter types at the same time.

## 1.2. Validate that correct View is shown.

## 1.3. Validate that save search works correctly.

## 1.4. Validate change page mechanism works correctly.

## 1.5. Validate that filtered items have the correct information.

## 1.6. Validate information of pages that are opened when clicking on items (the ones which open new pages).

Be aware to negative and positive tests.

# 2. Execute Test Plan and report defects.

# 3. Found a way to install http://otomoto.pl/ web page automatically, in a lab machine.

# 4. Test Automation

## 4.1. Framework technologies.

- Selenium WebDriver.

- Java

- jUnit

- CSS,XPATH

- Ant

- Jenkins

## 4.2. Select the most relevant tests from Test Plan(Regression Tests).

## 4.3. Automate Regression Tests with following principles:

- Create a method for fields(combobox, text box,tabs), in order to reuse code.

- Create a config file to keep test automation configuration.

- Create a references file to keep html elements.

- Develop tests with a strong focus on maintenance.

- Be aware that some html selections might change easily.

- Fail tests with a clear reason.

- Create a test report.

# 5. Run automated tests dialy using Jenkins.

# 6. Verify Test Automation results, report defects.

# 7. Correct test automation issues and checkin code.