

#### === DESCRIPTION ===

tests implementation for AVANADE recruitment process

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#### === DONE ===

all requirements

#### === TO DO ===

implement parallel test run

implement different browsers support

implement screenshots support

implement retry policy for failed tests

optimization of logging for test operation/action

optimization of try&catch validation

test data creation management/creation

implement of multi environment support

#### === HOW TO RUN ===

1) Download solution >>

`git@github.com:DariuszJack/avanade.com.git`

`https://github.com/DariuszJack/avanade.com.git`

`https://github.com/DariuszJack/avanade.com/archive/refs/heads/master.zip`

2) Install NUnit3 (at least version 3.12.2)

download: `https://github.com/nunit/nunit-console/releases/download/3.14.0/NUnit.Console-3.14.0.msi`

3) Open the cmd prompt as an Administrator (important!)

4) Navigate to the location of the \bin\Debug solution folder using the CD command

example path: `C:\temp\test\UnitTestProject1\bin\Debug`

5) Run command ">>path to nunit runner<<" `UnitTestProject1.dll`

example run command: `"C:\Program Files (x86)\NUnit.org\nunit-console\nunit3-console.exe" UnitTestProject1.dll`

6) Expected result:

```

C:\temp\test\UnitTestProject1\bin\Debug>"C:\Program Files (x86)\NUnit.org\nunit-console\nunit3-console.exe" UnitTestProject1.dll
NUnit Console Runner 3.14.0 (.NET 2.0)
Copyright (c) 2021 Charlie Poole, Rob Prouse
czwartek, 27 stycznia 2022 09:25:11

Runtime Environment
  OS Version: Microsoft Windows NT 6.2.9200.0
  Runtime: .NET Framework CLR v4.0.30319.42000

Test Files
  UnitTestProject1.dll

Run Settings
  DisposeRunners: True
  WorkDirectory: C:\temp\test\UnitTestProject1\bin\Debug
  ImageRuntimeVersion: 4.0.30319
  ImageTargetFrameworkName: .NETFramework,Version=v4.7.2
  ImageRequiresX86: False
  ImageRequiresDefaultAppDomainAssemblyResolver: False
  TargetRuntimeFramework: net-4.7.2
  NumberOfTestWorkers: 4

Test Run Summary
  Overall result: Passed
  Test Count: 3, Passed: 3, Failed: 0, Warnings: 0, Inconclusive: 0, Skipped: 0
  Start time: 2022-01-27 08:25:12Z
  End time: 2022-01-27 08:25:57Z
  Duration: 45.051 seconds

Results (nunit3) saved as TestResult.xml

C:\temp\test\UnitTestProject1\bin\Debug>

```

### === REQUIREMENTS ===

*As this is so important for us, we would like to see how you write test code, and we've created a small exercise for that:*

*Create a script that:*

- *Opens our website (<https://www.avanade.com/>) in a web Browser*
- *Navigate to the "CAREERS" and open "Technologies Jobs"*
- *Press "[Search Jobs]" button*
- *Validates that:*
  1. *There is a total of 8 results on the first results page for Location/Cities: "Krakow"*
  2. *There is at least 1 result for Location "Warsaw"*
  3. *One of the "Require Skills & Qualification" for job offer: "Quality Engineer" in Country: "United States", Area of expertise: "Software Engineering" is:*  
*"Experience in testing both frontend and backend part of the system"*
- *Use Selenium Webdriver to interact with the browser*
- *Your code needs to be written in C# (preferably), Java, Python or Ruby*
- *The tests need to be runnable from command line by us (please provide instructions on how to) and need to pass. In the case of Java please use either Maven, Ant or Gradle.*
- *As we want to run them, please use any browser*
- *The code needs to be pushed to a github account of your choice, for us to clone*

*Our advice is for you to show us what you consider the best practices in creating WebDriver tests, with special attention in code quality.*