**Software Engineering Assessment**

|  |  |
| --- | --- |
| **GitHub Analyser App** | |
| Developer | Kevin Catania |
| Version | 1.0 |
| Release Notes | Initial release |
| Release Date | 3rd July 2022 |
| Email | kevincatania14@gmail.com |
| Mobile | +356 99140498 |

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# **Scenario**

Your line manager proposed the development of a new web page, where team developers can inform their GitHub id (login) and receive advices about how they can improve their own profiles.

# **Prerequisites**

* Microsoft Visual Studio

# **Notes**

For clarification or setup questions, please feel free to contact me. If there are specific shortcomings related to business logic or optimisation, I am willing to discuss and provide an update.

# **Instructions**

1. Extract SoftwareEngineeringAssessment folder to C:\
2. Run GithubAnalyser.Solution

C:\SoftwareEngineeringAssessment\SoftwareEngineeringAssessment\ GithubAnalyseer.Solution.sln

1. Log is available at:

C:\SoftwareEngineeringAssessment\SoftwareEngineeringAssessment\GithubAnalyser.App\bin\Debug\net6.0\log.txt

1. Additional inline comments are available throughout GithubAnalyser.Solution

# **App Overview**

Enter GitHub username in input field. Press Analyse:

Graphical user interface, text, application

Description automatically generated

View result. Press Search again to perform new search:

Graphical user interface, application

Description automatically generated

# **Unit Tests**

|  |  |  |  |
| --- | --- | --- | --- |
| **Test Parameter** | **Expected Result** | **Actual Result** | **Remarks** |
| kevincatania14 | kevincatania14,null,null,null,0,0,null | kevincatania14,null,null,null,0,0,null | **MATCH (PASS)** |
| asdgasdgasdgsadgadsgadsgad | null,null,null,null, null, null, asdgasdgasdgsadgadsgadsgad | null,null,null,null, null, null, asdgasdgasdgsadgadsgadsgad | **MATCH (PASS)** |

Run GithubAnalyser.UnitTesting

C:\SoftwareEngineeringAssessment\SoftwareEngineeringAssessment\GithubAnalyser.UnitTesting

1. Test method for correct intended input e.g. kevincatania14

Text

Description automatically generated

1. Test method for incorrect random input e.g. asdgasdgasdgsadgadsgadsgad:

Graphical user interface, text, application

Description automatically generated

# **Improvement Suggestions**

1. Usage of Angular/React/Vue in place of HTML/CSS/JS/Razor
2. Injecting NLog in place of static class
3. Usage of AutoMapper in place of Model/ViewModel