fc\_profiler

Notes

**Purpose**

A tool for understanding data in an undocumented world.

Given a Esri ArcGIS feature class, **fc\_profiler** will perform a suite of data profiling activities outputting the results to a XLS file.

Example profiles include:

* What is the structure

**Dev artefacts**

|  |  |
| --- | --- |
| .git | source control |
| .gitattributes | a Git configuration file |
| .gitignore | a Git configuration file |
| .py | Python Script |

**Requirements Specification Documentation**

* This word doc
* A XLSX with user stories (more easily sorted, prioritised and filtered)
* History is stored in Git

**Dev environment**

* Source Control with Git
* Python 2.7 for use with ArcMap 10.3
* *Unittest* testing framework
* PyCharm IDE
* Coding conventions as per [PEP8](https://www.python.org/dev/peps/pep-0008/?)

**Git**

* Repo created in this project folder
* No remote (no push or pull)
* Master is release-ready code
* Documentation (\*.docx, \*.xlsx) is stored in Git, but not diff’able (no custom diff extensions)
* First branch for *create test database*

**Testing**

* This is a database app and tests are run against a set of pre-made fGDBs
* The test databases are scripted in
* For each function, create feature classes for testing with known content:
* See: fc\_profiler\_tests.xlsx