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PyTravLITE

1. Female, age 42, Low Middle class, 6-term Drifter
   Anglic Language 0, Animal Riding 0, Animal Training 0, Animals 0, Belter 0, Blunt Fighting 0,
   Carousing 0, Fist Fighting 1, Gambling 0, Jack of all Trades 0, Knife Fighting 2, Navigating 0,
   Profession 0, Shotgun 0, Streetwise 0, Survival Training 0, Vacc Suit Training 0
   Distracted by other worries

2. Wastrel Pabam L. Salus [89B44A]
   Male, age 35, Low Middle class, 4-term Nobility
   Anglic Language 0, Art 0, Athletics 0, Carousing 1, Diplomacy 1, History 0,
   Jack of all Trades 0, Persuading 0, Seafarer 0, Small Craft Piloting 0, Streetwise 0, Sword Fighting 0
   Artistic

3. Sir Eton I. Shela [48C77B]
   Male, age 36, Middle class, 4-term Nobility
   Advocating 0, Anglic Language 0, Autocar Driving 0, Carousing 0, Companion 0, Cruise Ship Helm 1,
   Economics 0, Gambling 0, Jack of all Trades 0, Persuading 0, Sculpting 0, Streetwise 0,
   Vacc Suit Training 0
   Makes very bad jokes

PyTravLITE Guide

Release (New 0.2.7 Edition)

Shawn Driscoll

06/26/2022

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What began as a DOS prompt NPC generator escalated into a web-browsed one…

PyTravLITE is an easy-to-use open source NPC generator for Mongoose Traveller 1st and 2nd Editions. It's written in Python 3.9.11 and includes **PyDiceroll 3.5** for its die rolling. Source for **PyDiceroll 3.5** can be found at its GitHub repository.

PyTravLITE features minor logging and error tracking at this time.

This documentation explains how to install and use **PyTravLITE** for Traveller NPC generation.

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CHAPTER

ONE

INTRODUCTION

1.1 Preface

I am an old-school computer programmer from the 1970s.

That sounded redundant after reading it. Oh well. Hardly anyone still uses that term these days. Everyone is an app developer now. Or a coder. Most write for phones instead of computers. And their code is pretty much connected at the hip to the web.

I'll face it, everything is web-based now. Years would go by and I'd think about figuring a way to make my computer programs work on the Internet. Or at least run in a web browser. But after reading the books and seeing the complications involved, I'd go back to programming computers the way I knew how.

Like I said before, I've been programming computers for a long time. I've tried so many languages over the years. And when I gave Python a try, I ceased using anything else. Python was the language I had been waiting for. I have books on C/C++, MS Visual Studio, BASIC, Lisp, Pascal, FORTRAN, ASM, and so many others that I won't look at again.

One thing nice about Python is that something cool comes out for it every day. Some of the things that have come out are web page servers, which run in the background on your computer and listen for requests from web browsers. Some have been around for years, like Django and Flask.

One doesn't often think "Python" when developing a web site. But it can do the job, surprisingly. Of course, knowing HTML is still a requirement. The trick is also getting Python to output HTML "code." For that, I recently chose to use Bottle because it's more minimal compared to Django and Flask.

I spent a day learning Bottle. That's how easy it was to set up and start using. I just wish I had thought of doing it sooner.

-Shawn

1.2 Requirements

- **Microsoft Windows**

  PyTravLITE has been tested on Windows 10 only. It has not been tested on MacOS or Linux.

- **Python 3.9.11**

  PyTravLITE was written using the C implementation of Python version 3.9.11. Also known as CPython.

- **bottle 0.12.19**

  bottle is the web framework used for serving the web page requests.

- **colorama 0.4.4**

Because CMD may have some colored text messages for debugging.

Warning: **PyTravLITE** will not work with **Python 2.7-**.

CHAPTER

TWO

INSTALLING

Installing and using **PyTravLITE** seems simple enough. Just download the archive from GitHub and extract it to a folder you prefer.

2.1 Running PyTravLITE

If you have Python 3.9.11 installed, you can start `PyTravLITE.py` from a CMD prompt or double-click the Python script.

Alternatively, if you do not have Python 3.9.11, you can start `PyTravLITE.exe` (located in the dist folder) from a CMD prompt or by double-clicking the executable program.

Output to DOS has been depricated in this version.

New in version 0.1.0

Either way, the HTTP web server will start. Then open your web browser and enter http://localhost:8080/generate for its URL.

Bottle uses a simple and lightweight **WSGI** *micro web-framework for its built-in HTTP server for Python.*

CHAPTER

THREE

WHAT'S NEW?

3.1 New in version 0.2.7

Default dice roll choice is now 2D6 if left blank.

3.2 New in version 0.2.6

Quirks have been added to NPC character blocks.

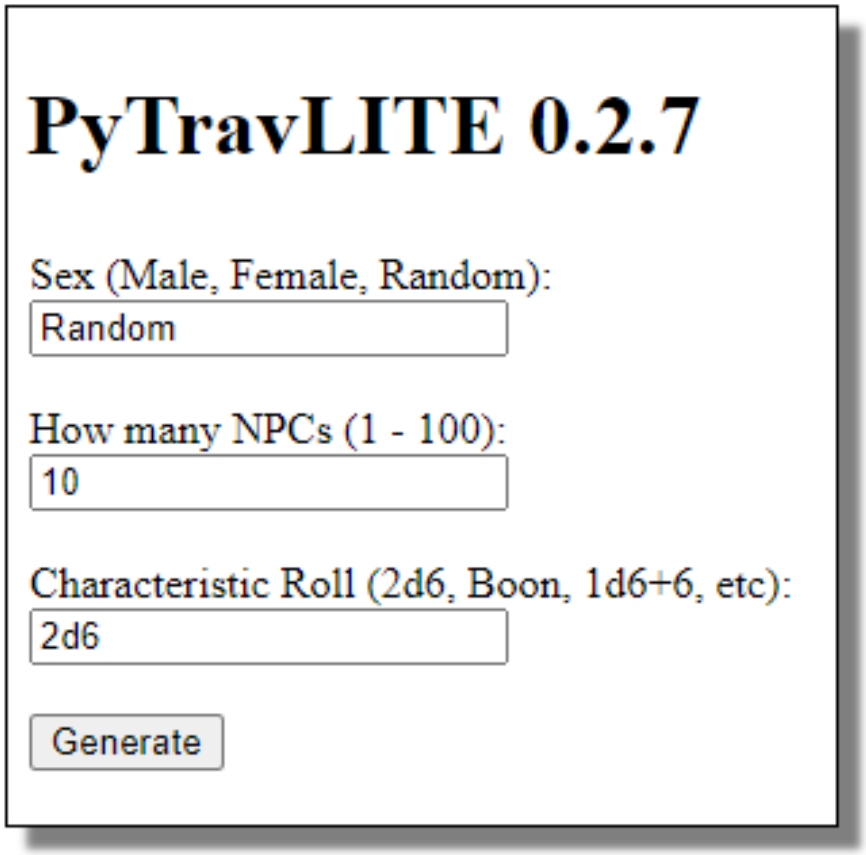
CHAPTER

FOUR

PYTRAVLITE TUTORIAL

4.1 The Screen

In your web browser you will see:



4.2 Generating NPCs

For **Sex**, there are three choices:

Male = Generate Male NPCs only
Female = Generate Female NPCs only
Random = Generate NPCs of either sex

The default value is *Random*.

> **Warning:** Your inputted data is **case-sensitive**.

For **How many NPCs**, choose a value from 1 to 100.

The default value is *10*.

For **Characteristic Roll**, you may enter a roll type that you are familiar with when doing your Traveller character generation. The common **Characteristic Roll** is *2d6*. Not so common rolls are *Boon* and *1d6+6*.

> **Warning:** Whichever roll type you enter, keep in mind that the roll result range **must not be larger** than 2 - 15.

The generated NPCs will output in this format:

1. Baronet Sody Elen Emojev of Brishen [73978c]
Male, age 45, Remarkable class, 7-term Merchants
Administrating 0, Anglic Language 0, Carousing 2, Companion 0, Economics 0, Jack of all Trades 0, Language 2, Piloting 1, Political Science 3, Streetwise 1, Trading 0, Zero-G Training 0
Loyal

2. Trainee Senter T. Kensetedy [68A4B8]
Male, age 30, Upper Middle class, 3-term Scout
Anglic Language 1, Carousing 0, History 0, Jack of all Trades 0, Medical Training 0, Navigating 0, Profession 0, Reconnaissance 0, Space Sciences 0, Survival Training 0, Vacc Suit Training 0
Unusually provincial

3. Baronet Suner Shamalenor Moman of Pesa [29639c]
Male, age 43, Remarkable class, 6-term Marines
Anglic Language 0, Animals 0, Carousing 0, Computer Training 0, Field Artillery 0, Heavy Weapons 0, Jack of all Trades 0, Military Tactics 1, Mole Trucking 0, Motorboat Helm 0, Navigating 1, Reconnaissance 0, Remote Operating 1, Roto Flying 2, Survival Training 0
Has a dangerous secret

NPC names typically will start with a title, depending on their career or their social standing. Characters of nobility will have longer names and include the homeworld they are from.

Next is the NPC's UPP, their sex, and age. The social class that the NPC was raised in is shown, along with how many terms they were in a career.

And last is the NPC's list of skills.

CHAPTER

FIVE

SAVED DATA

New in version 0.2.0

The data of the generated NPCs will be saved in the `data` folder as a **JSON** file called `PyTravLITE_NPCs.json`. The file can be opened with a text editor. It can also be viewed somewhat better using the included `JSON_pretty_print.py` Python script.

A sample JSON pretty printing of the file looks like this:

```
C:\>JSON_pretty_print.py
{'Age': 46,
 'Career': 'Merchants',
 'DEX': '1',
 'EDU': 'C',
 'END': 'A',
 'INT': 'C',
 'Quirk': 'Forgetful',
 'SOC': '7',
 'STR': '3',
 'Sex': 'Male',
 'Skills': {'Administrating': 1,
            'Anglic Language': 0,
            'Carousing': 0,
            'Companion': 0,
            'Deceiving': 1,
            'Economics': 0,
            'Jack of all Trades': 0,
            'Persuading': 0,
            'Piloting': 2,
            'Political Science': 0,
            'Profession': 0,
            'Streetwise': 1,
            'Trading': 1,
            'Vacc Suit Training': 0},
 'Social_Class': 'Middle',
 'Terms': 7,
 'Traveller_Name': '1st Officer Ewenas F. Vebrison'}


{'Age': 44,
 'Career': 'Agent',
 'DEX': '5',
```

(continues on next page)

(continued from previous page)

```
'EDU': '9',
'END': '8',
'INT': '5',
'Quirk': 'Looking for something',
'SOC': '5',
'STR': '4',
'Sex': 'Female',
'Skills': {'Administrating': 1,
           'Anglic Language': 0,
           'Animals': 0,
           'Carousing': 0,
           'Deceiving': 1,
           'Energy Pistol': 0,
           'Investigating': 2,
           'Jack of all Trades': 0,
           'Political Science': 0,
           'Seafarer': 0,
           'Slug Pistol': 0,
           'Small Craft Piloting': 0,
           'Stealth': 1,
           'Streetwise': 0,
           'Telecomm': 0,
           'Zdetl Language': 0},
'Social_Class': 'Upper Low',
'Terms': 7,
'Traveller_Name': 'Agent Esuti W. Podosa'}
```

CHAPTER

SIX

OPEN SOURCE

6.1 MIT License

LICENSE AGREEMENT

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6.2 Contact

Questions? Please contact shawndriscoll@hotmail.com

CHAPTER

SEVEN

FFE AGREEMENT

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CHAPTER

EIGHT

ABOUT THE AUTHOR

Shawn Driscoll is an American artist. Computers are his main creation tool. His many hobbies are in sync with his being a student of all sciences. Some of which are discussed in length on his YouTube channel.