Steps to follow:

Reference: https://packaging.python.org/en/latest/tutorials/packaging-projects/

How to Create a Python Library

This document provides a simple guide on how to create a basic Python library and distribute it via PyPI.

Step 1: Setup

- Ensure you have the latest versions of setuptools and wheel installed:

```
pip install --upgrade setuptools wheel
```

- Make sure you have a PyPI account: https://pypi.org/account/register/

Step 2: Project Structure

Create a folder structure for your project as follows:

```
your_library_name/
src/
your_library_name/
__init__.py
library_code.py
tests/
setup.py
README.md
LICENSE
. gitignore
```

- The 'src' directory should contain your library code.
- The `tests` directory will contain test cases for your library.

Step 3: Writing the Library

- Write your library code inside the `src/your library name/` directory.
- The `__init__.py` file can be empty or contain code.

Step 4: Create README.md

- Write instructions and documentation for your library in the README.md file.
- This file will be shown as the library/project description on the pypi.

Step 5: Choose a License

- Choose a license for your library and include it in the LICENSE file.

Step 6: Writing setup.py

- Create a setup.py file with the necessary information about your library.

Example setup.py:

```
# Read the contents of your README file
with open("README.md", "r", encoding="utf-8") as fh:
   long_description = fh.read()
setup(
   name="alert_on_exception",
   version="0.1.5",
   package_dir={"": "src"}, # This line is added
   packages=find_packages(where="src"), # And this line is modified
   install_requires=[],
   python_requires=">=3.6",
   description="A Python package to alert users about exceptions.",
# Short, concise description
   long_description=long_description, # Detailed description
   long_description_content_type="text/markdown", # Content type
for long description, assuming it's in Markdown
)
```

Step 7: Building the Package

Run the following command from the same directory where setup.py is located: python setup.py sdist bdist_wheel

This command should output a lot of text and once completed should generate two files in the dist directory.

Step 8: Upload to PyPI

- First, install Twine:

pip install twine

- Then, run Twine to upload all of the archives under dist:

twine upload dist/*

Step 9: Installing Your Package from PyPI

- Once uploaded to PyPI, you can install your package with pip:

pip install your_library_name

Congratulations! You've packaged and distributed a Python library.