

Directory Structure

To start packaging your Python software, you need to get your files and directories in order. The `httplib2` directory looks like this:

```
httplib2/           ①
|
+--README.txt       ②
|
+--setup.py         ③
|
+--httplib2/        ④
  |
  +--__init__.py
  |
  +--iri2uri.py
```

① Make a root directory to hold everything. Give it the same name as your Python module.

② To accomodate Windows users, your “read me” file should include a `.txt` extension, and it should use Windows-style carriage returns. Just because you use a fancy text editor that runs from the command line and includes its own macro language, that doesn’t mean you need to make life difficult for your users. (Your users use Notepad. Sad but true.) Even if you’re on Linux or Mac OS X, your fancy text editor undoubtedly has an option to save files with Windows-style carriage returns.

③ Your Distutils setup script should be named `setup.py` unless you have a good reason not to. You do not have a good reason not to.

④ If your Python software is a single `.py` file, you should put it in the root directory along with your “read me” file and your setup script. But `httplib2` is not a single `.py` file; it’s a `multi-file module`. But that’s OK! Just put the `httplib2` directory in the root directory, so you have an `__init__.py` file within an `httplib2/` directory within the `httplib2/` root directory. That’s not a problem: in fact, it will simplify your packaging process.

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The `chardet` directory looks slightly different. Like `httplib2`, it's a multi-file module, so there's a `chardet/` directory within the `chardet/` root directory. In addition to the `README.txt` file, `chardet` has HTML-formatted documentation in the `docs/` directory. The `docs/` directory contains several `.html` and `.css` files and an `images/` subdirectory, which contains several `.png` and `.gif` files. (This will be important later.) Also, in keeping with the convention for (L)GPL-licensed software, it has a separate file called `COPYING.txt` which contains the complete text of the LGPL.

```
chardet/
|
+--COPYING.txt
|
+--setup.py
|
+--README.txt
|
+--docs/
|  |
|  +--index.html
|  |
|  +--usage.html
|  |
|  +--images/ ...
|
+--chardet/
|
|  +--__init__.py
|  |
|  +--big5freq.py
|  |
|  +--...
```

