:mod:`urllib.robotparser` --- Parser for robots.txt

System Message: ERROR/3 (`D:\onboarding-resources\sample-onboarding-resources\cpython-main\Doc\library\(cpython-main)(Doc)(library)urllib.robotparser.rst, line 1`); *backlink*

Unknown interpreted text role "mod".

System Message: ERROR/3 (`D:\onboarding-resources\sample-onboarding-resources\cpython-main\Doc\library\(cpython-main)(Doc)(library)urllib.robotparser.rst, line 4`)

Unknown directive type "module".

```
.. module:: urllib.robotparser
   :synopsis: Load a robots.txt file and answer questions about
              fetchability of other URLs.
```

System Message: ERROR/3 (`D:\onboarding-resources\sample-onboarding-resources\cpython-main\Doc\library\(cpython-main)(Doc)(library)urllib.robotparser.rst, line 8`)

Unknown directive type "sectionauthor".

```
.. sectionauthor:: Skip Montanaro <skip@pobox.com>
```

Source code: :source:`Lib/urllib/robotparser.py`

System Message: ERROR/3 (`D:\onboarding-resources\sample-onboarding-resources\cpython-main\Doc\library\(cpython-main)(Doc)(library)urllib.robotparser.rst, line 10`); *backlink*

Unknown interpreted text role "source".

System Message: ERROR/3 (`D:\onboarding-resources\sample-onboarding-resources\cpython-main\Doc\library\(cpython-main)(Doc)(library)urllib.robotparser.rst, line 12`)

Unknown directive type "index".

```
.. index::
   single: WWW
   single: World Wide Web
   single: URL
   single: robots.txt
```

This module provides a single class, :class:`RobotFileParser`, which answers questions about whether or not a particular user agent can fetch a URL on the web site that published the :file:`robots.txt` file. For more details on the structure of :file:`robots.txt` files, see http://www.robotstxt.org/orig.html.

System Message: ERROR/3 (`D:\onboarding-resources\sample-onboarding-resources\cpython-main\Doc\library\(cpython-main)(Doc)(library)urllib.robotparser.rst, line 20`); *backlink*

Unknown interpreted text role "class".

System Message: ERROR/3 (`D:\onboarding-resources\sample-onboarding-resources\cpython-main\Doc\library\(cpython-main)(Doc)(library)urllib.robotparser.rst, line 20`); *backlink*

Unknown interpreted text role "file".

System Message: ERROR/3 (`D:\onboarding-resources\sample-onboarding-resources\cpython-main\Doc\library\(cpython-main)(Doc)(library)urllib.robotparser.rst, line 20`); *backlink*

Unknown interpreted text role "file".

This class provides methods to read, parse and answer questions about the :file:`robots.txt` file at *url*.

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\cpython-main\Doc\library\(cpython-main)(Doc)(library)urllib.robotparser.rst, line 28); *backlink*

Unknown interpreted text role "file".

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\cpython-main\Doc\library\(cpython-main)(Doc)(library)urllib.robotparser.rst, line 31)

Unknown directive type "method".

```
.. method:: set_url(url)

   Sets the URL referring to a :file:`robots.txt` file.
```

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\cpython-main\Doc\library\(cpython-main)(Doc)(library)urllib.robotparser.rst, line 35)

Unknown directive type "method".

```
.. method:: read()

   Reads the :file:`robots.txt` URL and feeds it to the parser.
```

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\cpython-main\Doc\library\(cpython-main)(Doc)(library)urllib.robotparser.rst, line 39)

Unknown directive type "method".

```
.. method:: parse(lines)

   Parses the lines argument.
```

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\cpython-main\Doc\library\(cpython-main)(Doc)(library)urllib.robotparser.rst, line 43)

Unknown directive type "method".

```
.. method:: can_fetch(useragent, url)

   Returns ``True`` if the *useragent* is allowed to fetch the *url*
   according to the rules contained in the parsed :file:`robots.txt`
   file.
```

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\cpython-main\Doc\library\(cpython-main)(Doc)(library)urllib.robotparser.rst, line 49)

Unknown directive type "method".

```
.. method:: mtime()

   Returns the time the ``robots.txt`` file was last fetched.  This is
   useful for long-running web spiders that need to check for new
   ``robots.txt`` files periodically.
```

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\cpython-main\Doc\library\(cpython-main)(Doc)(library)urllib.robotparser.rst, line 55)

Unknown directive type "method".

```
.. method:: modified()

   Sets the time the ``robots.txt`` file was last fetched to the current
   time.
```

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\cpython-main\Doc\library\(cpython-main)(Doc)(library)urllib.robotparser.rst, line 60)

Unknown directive type "method".

```
.. method:: crawl_delay(useragent)

   Returns the value of the ``Crawl-delay`` parameter from ``robots.txt``
   for the *useragent* in question.  If there is no such parameter or it
   doesn't apply to the *useragent* specified or the ``robots.txt`` entry
   for this parameter has invalid syntax, return ``None``.

   .. versionadded:: 3.6
```

Unknown directive type "method".

```
.. method:: request_rate(useragent)

   Returns the contents of the ``Request-rate`` parameter from
   ``robots.txt`` as a :term:`named tuple` ``RequestRate(requests, seconds)``.
   If there is no such parameter or it doesn't apply to the *useragent*
   specified or the ``robots.txt`` entry for this parameter has invalid
   syntax, return ``None``.

   .. versionadded:: 3.6
```

Unknown directive type "method".

```
.. method:: site_maps()

   Returns the contents of the ``Sitemap`` parameter from
   ``robots.txt`` in the form of a :func:`list`. If there is no such
   parameter or the ``robots.txt`` entry for this parameter has
   invalid syntax, return ``None``.

   .. versionadded:: 3.8
```

The following example demonstrates basic use of the :class:`RobotFileParser` class:

Unknown interpreted text role "class".

```
>>> import urllib.robotparser
>>> rp = urllib.robotparser.RobotFileParser()
>>> rp.set_url("http://www.musi-cal.com/robots.txt")
>>> rp.read()
>>> rrate = rp.request_rate("*")
>>> rrate.requests
3
>>> rrate.seconds
20
>>> rp.crawl_delay("*")
6
>>> rp.can_fetch("*", "http://www.musi-cal.com/cgi-bin/search?city=San+Francisco")
False
>>> rp.can_fetch("*", "http://www.musi-cal.com/")
True
```