:mod:`urllib.error` --- Exception classes raised by urllib.request

> **System Message: ERROR/3** (`D:\onboarding-resources\sample-onboarding-resources\cpython-main\Doc\library\[cpython-main][Doc][library]urllib.error.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.error.rst`, **line 4**)
>
> Unknown directive type "module".
>
> ```
> .. module:: urllib.error
>    :synopsis: Exception classes raised by urllib.request.
> ```

> **System Message: ERROR/3** (`D:\onboarding-resources\sample-onboarding-resources\cpython-main\Doc\library\[cpython-main][Doc][library]urllib.error.rst`, **line 7**)
>
> Unknown directive type "moduleauthor".
>
> ```
> .. moduleauthor:: Jeremy Hylton <jeremy@alum.mit.edu>
> ```

> **System Message: ERROR/3** (`D:\onboarding-resources\sample-onboarding-resources\cpython-main\Doc\library\[cpython-main][Doc][library]urllib.error.rst`, **line 8**)
>
> Unknown directive type "sectionauthor".
>
> ```
> .. sectionauthor:: Senthil Kumaran <orsenthil@gmail.com>
> ```

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

> **System Message: ERROR/3** (`D:\onboarding-resources\sample-onboarding-resources\cpython-main\Doc\library\[cpython-main][Doc][library]urllib.error.rst`, **line 10**); *backlink*
>
> Unknown interpreted text role "source".

The :mod:`urllib.error` module defines the exception classes for exceptions raised by :mod:`urllib.request`. The base exception class is :exc:`URLError`.

> **System Message: ERROR/3** (`D:\onboarding-resources\sample-onboarding-resources\cpython-main\Doc\library\[cpython-main][Doc][library]urllib.error.rst`, **line 14**); *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.error.rst`, **line 14**); *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.error.rst`, **line 14**); *backlink*
>
> Unknown interpreted text role "exc".

The following exceptions are raised by :mod:`urllib.error` as appropriate:

> **System Message: ERROR/3** (`D:\onboarding-resources\sample-onboarding-resources\cpython-main\Doc\library\[cpython-main][Doc][library]urllib.error.rst`, **line 17**); *backlink*
>
> Unknown interpreted text role "mod".

Unknown directive type "exception".

```
.. exception:: URLError

   The handlers raise this exception (or derived exceptions) when they run into
   a problem.  It is a subclass of :exc:`OSError`.

   .. attribute:: reason

      The reason for this error.  It can be a message string or another
      exception instance.

   .. versionchanged:: 3.3
      :exc:`URLError` has been made a subclass of :exc:`OSError` instead
      of :exc:`IOError`.
```

Unknown directive type "exception".

```
.. exception:: HTTPError

   Though being an exception (a subclass of :exc:`URLError`), an
   :exc:`HTTPError` can also function as a non-exceptional file-like return
   value (the same thing that :func:`~urllib.request.urlopen` returns).  This
   is useful when handling exotic HTTP errors, such as requests for
   authentication.

   .. attribute:: code

      An HTTP status code as defined in :rfc:`2616`.  This numeric value corresponds
      to a value found in the dictionary of codes as found in
      :attr:`http.server.BaseHTTPRequestHandler.responses`.

   .. attribute:: reason

      This is usually a string explaining the reason for this error.

   .. attribute:: headers

      The HTTP response headers for the HTTP request that caused the
      :exc:`HTTPError`.

      .. versionadded:: 3.4
```

Unknown directive type "exception".

```
.. exception:: ContentTooShortError(msg, content)

   This exception is raised when the :func:`~urllib.request.urlretrieve`
   function detects that
   the amount of the downloaded data is less than the expected amount (given by
   the *Content-Length* header).  The :attr:`content` attribute stores the
   downloaded (and supposedly truncated) data.
```