Python Intern Task - Web Crawler

Clarence got lost while surfing the internet. Help him find his way out by creating a map of the domain he is on.

Write a function `site_map(url)` that takes a site URL as an argument and creates a mapping of that domain as a Python dictionary.
The mapping should contain all the accessible pages within that domain. Every entry should consist of:
* key: URL
* value: dictionary with:
** site title (HTML `<title>` tag)
** links - set of all target URLs within the domain on the page but without anchor links

Example:
Confused? Worry not! Here is an example site with a map.
Unzip the `example.zip` file into some directory and enter it.
Run the following command `python3 -m http.server`. You are serving a website now!
Check if everything is okay by visiting the `http://0.0.0.0:8000` URL.
If everything works you can run your program with following parameter and verify if it gives the correct answer.
```
>>> site_map('http://0.0.0.0:8000')
```

```
{
    'http://0.0.0.0:8000': {
        'title': 'Index',
        'links': {'http://0.0.0.0:8000/example.html', 'http://0.0.0.0:8000/site.html'}
    },
    ''http://0.0.0.0:8000/site.html':  {
        'title': 'The Site',
         'links': {'http://0.0.0.0:8000/site/subsite.html'}
    },
    'http://0.0.0.0:8000/example.html': {
        'title': 'No links here',
        'links': set()
    },
    'http://0.0.0.0:8000/site/subsite.html': {
        'title': 'Looping',
        'links': {'http://0.0.0.0:8000/site/other_site.html', 'http://0.0.0.0:8000'}
    },
```

```
    'http://0.0.0.0:8000/site/other_site.html': {
        'title': 'Looped',
        'links': {'http://0.0.0.0:8000/site/subsite.html'}
    }
}
```

Good luck!