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Installation and Checks

```
$ sudo pacman -S lighttpd
```

```
$ sudo bash -c 'cat <<EOF >> /etc/lighttpd/lighttpd.conf
server.modules = (
    "mod_access",
    "mod_accesslog",
)
accesslog.filename = "/var/log/lighttpd/access.log"
EOF'
```

```
$ sudo systemctl start lighttpd.service
```

```
$ sudo systemctl enable lighttpd.service
```

```
$ sudo pacman -S python-html2text
```

```
$ curl -s http://localhost | html2text
# Home
```

Welcome on my homepage.

I have some subsites:

- * [About me](/about_me.html)
- * [My job](/my_job.html)
- * [My hobby](/hobby/index.html)

Thanks for visiting my homepage

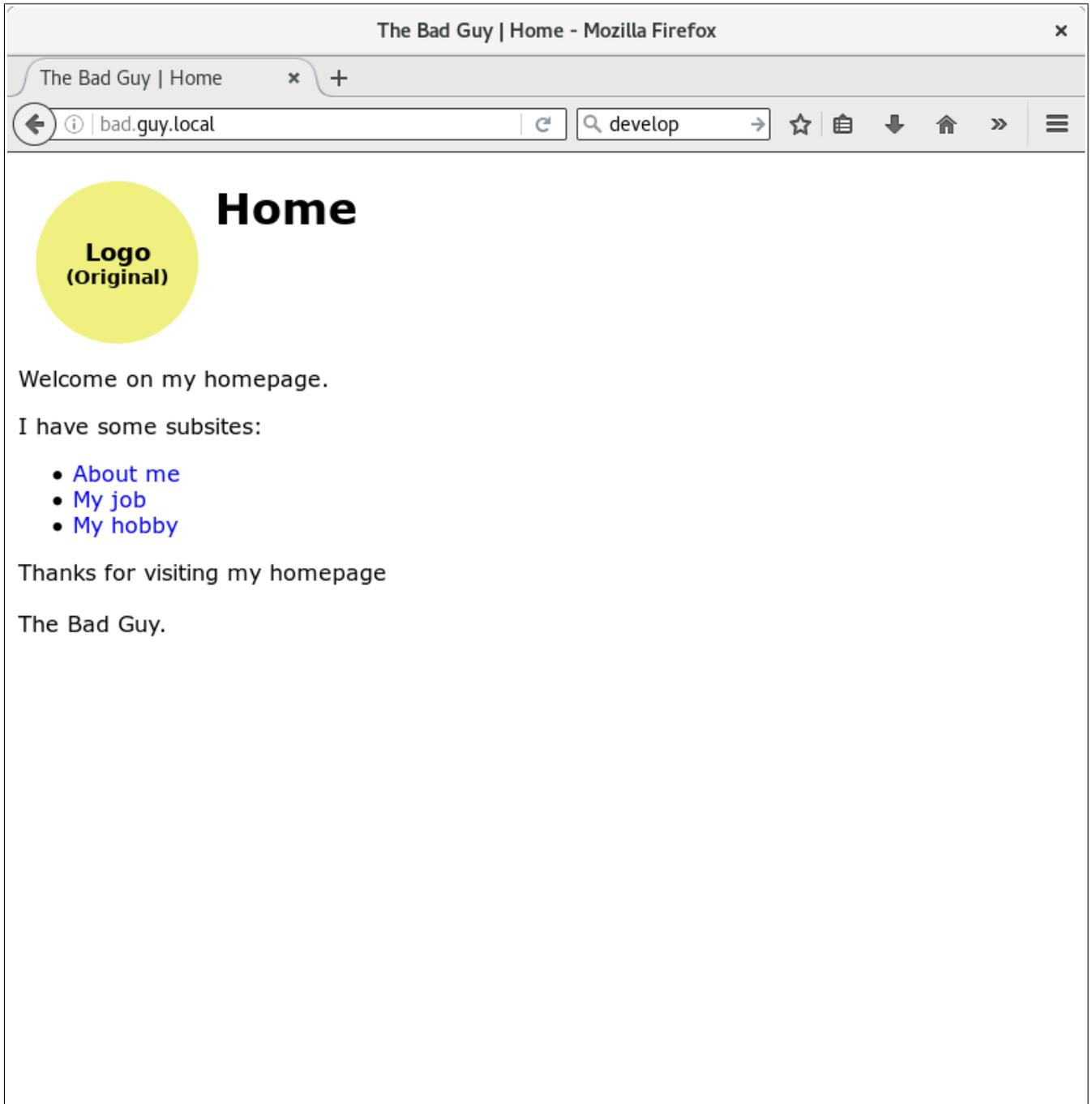
The Bad Guy.

```
$ sudo tail -n 2 /var/log/lighttpd/access.log
127.0.0.1 localhost - [18/Oct/2016:16:50:38 +0200] "GET / HTTP/1.1" 200 638 "-" "curl/7.50.3"
127.0.0.1 bad.guy.local - [18/Oct/2016:16:51:08 +0200] "GET /index.html HTTP/1.1" 200 638
"http://bad.guy.local/my%20job.html" "Mozilla/5.0 (X11; Linux x86_64; rv:49.0) Gecko/20100101
Firefox/49.0"
```

```
$ sudo tail /var/log/lighttpd/error.log
2016-10-18 16:49:32: (log.c.217) server started
```

Screenshots and Notes

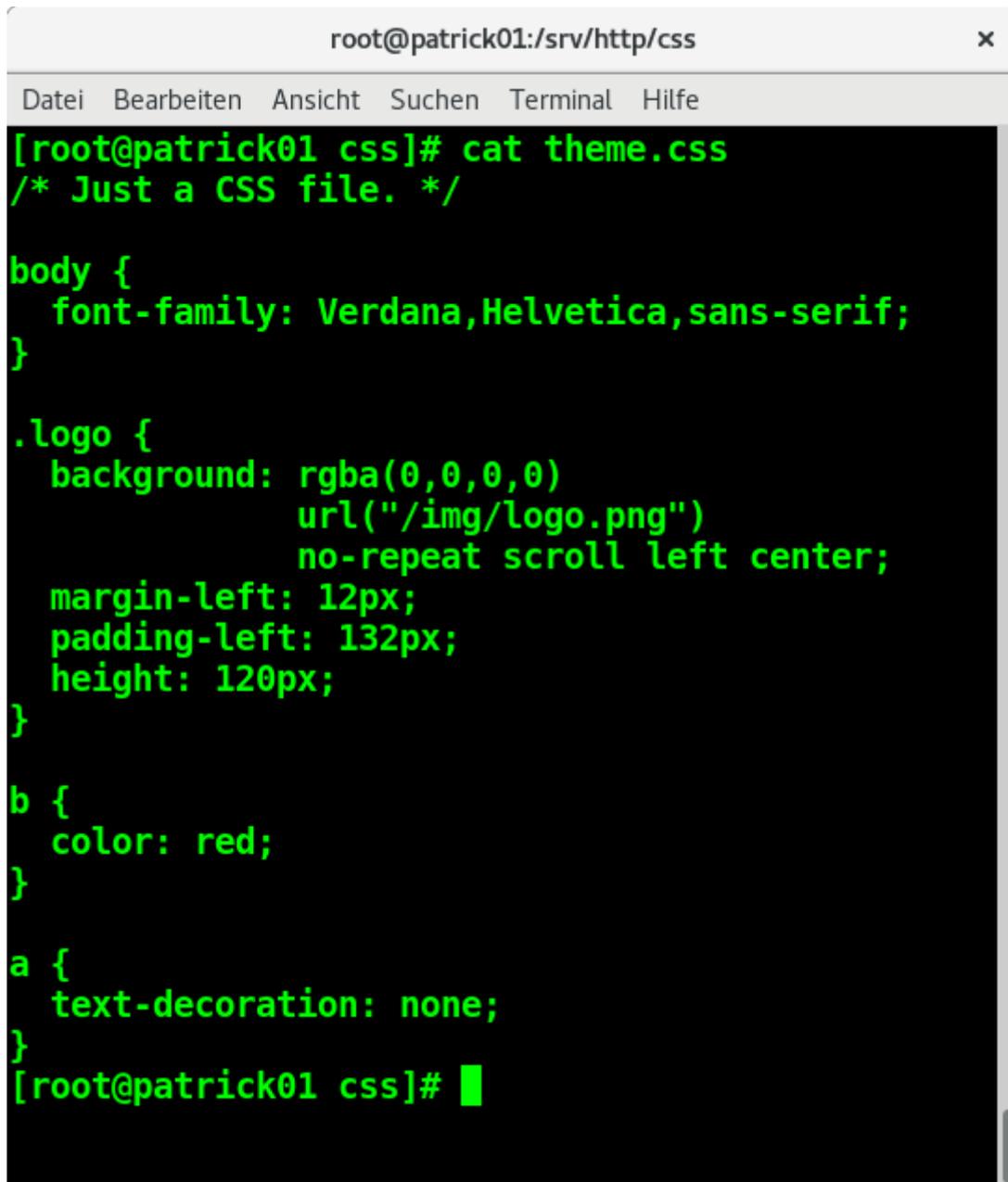
Home



Notes:

In the root of the document root is a robots.txt placed, that disallows all clients from crawling. The WSM-script has to ignore this robots.txt! (DONE!)

Logo

A terminal window titled 'root@patrick01:/srv/http/css' with a menu bar containing 'Datei', 'Bearbeiten', 'Ansicht', 'Suchen', 'Terminal', and 'Hilfe'. The terminal displays the following CSS code:

```
[root@patrick01 css]# cat theme.css
/* Just a CSS file. */

body {
  font-family: Verdana,Helvetica,sans-serif;
}

.logo {
  background: rgba(0,0,0,0)
             url("/img/logo.png")
             no-repeat scroll left center;
  margin-left: 12px;
  padding-left: 132px;
  height: 120px;
}

b {
  color: red;
}

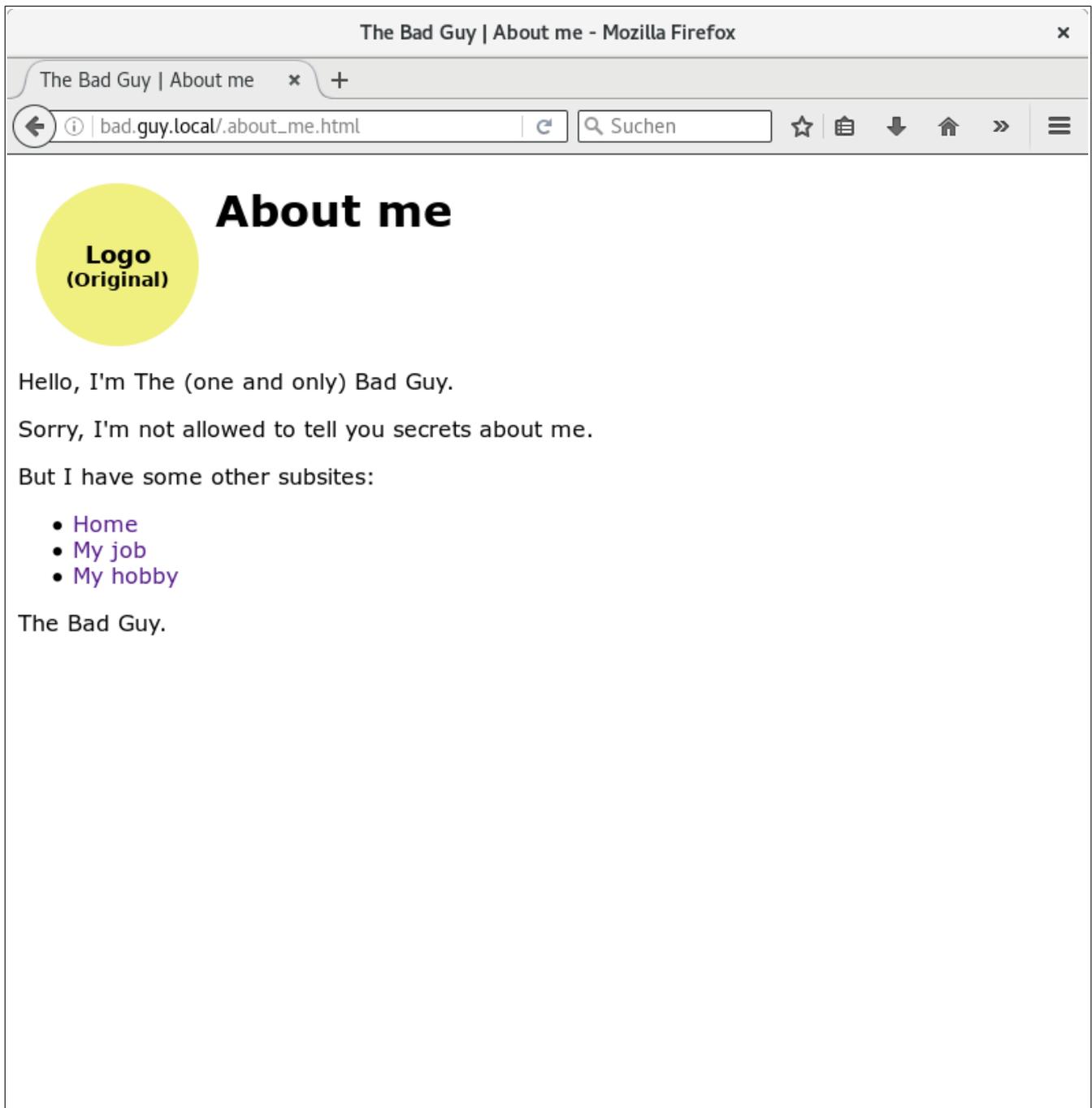
a {
  text-decoration: none;
}
[root@patrick01 css]# █
```

Notes:

The logo (image) is defined per CSS.

The WSM-script has to respect included CSS files in the head of a HTML file! (DONE!)

About me



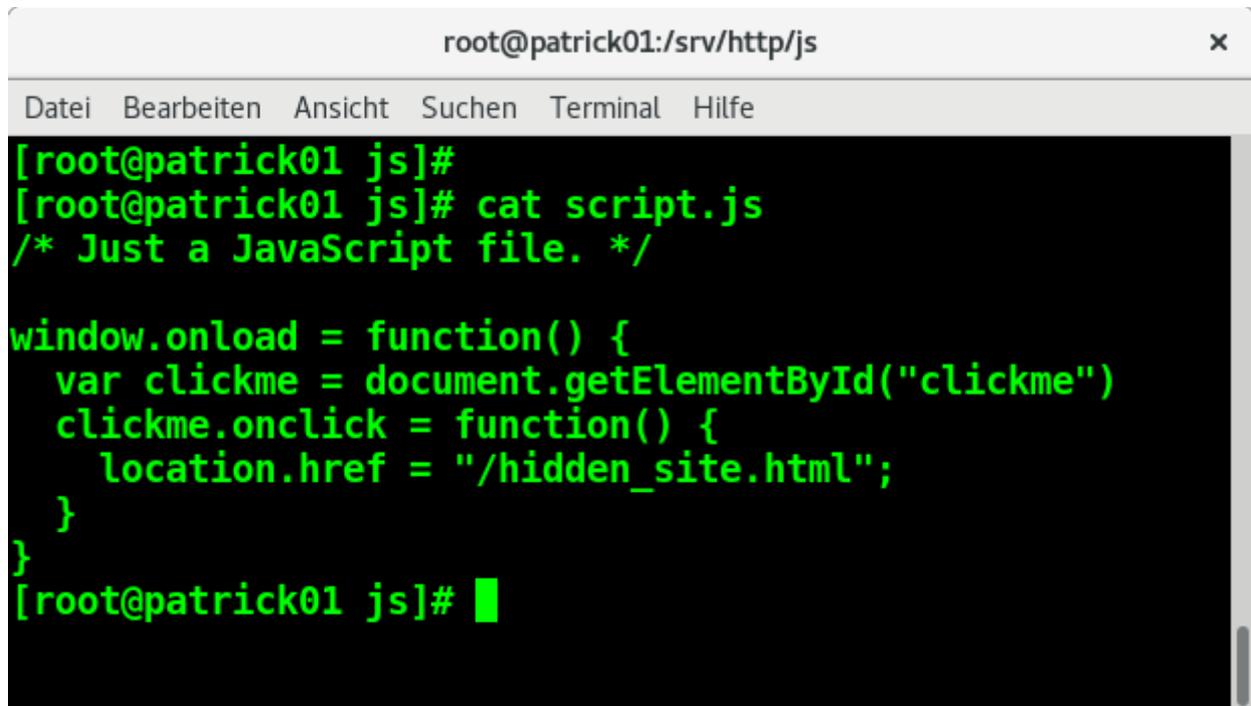
The screenshot shows a Mozilla Firefox browser window titled "The Bad Guy | About me - Mozilla Firefox". The address bar contains "bad.guy.local/about_me.html". The page content includes a yellow circular logo with the text "Logo (Original)", a main heading "About me", and a series of paragraphs: "Hello, I'm The (one and only) Bad Guy.", "Sorry, I'm not allowed to tell you secrets about me.", "But I have some other subsites:", a bulleted list of links: "• Home", "• My job", "• My hobby", and "The Bad Guy."

Notes:

The „About me“ site starts with an dot in the filename.

The WSM-script has to respect hidden files (UNIX)! (DONE!)

JavaScript (TODO!)

A terminal window titled 'root@patrick01:/srv/http/js' with a menu bar containing 'Datei', 'Bearbeiten', 'Ansicht', 'Suchen', 'Terminal', and 'Hilfe'. The terminal output shows the command 'cat script.js' and its output: a JavaScript file with a comment and a function that changes the href of a clickme button to '/hidden_site.html' on page load.

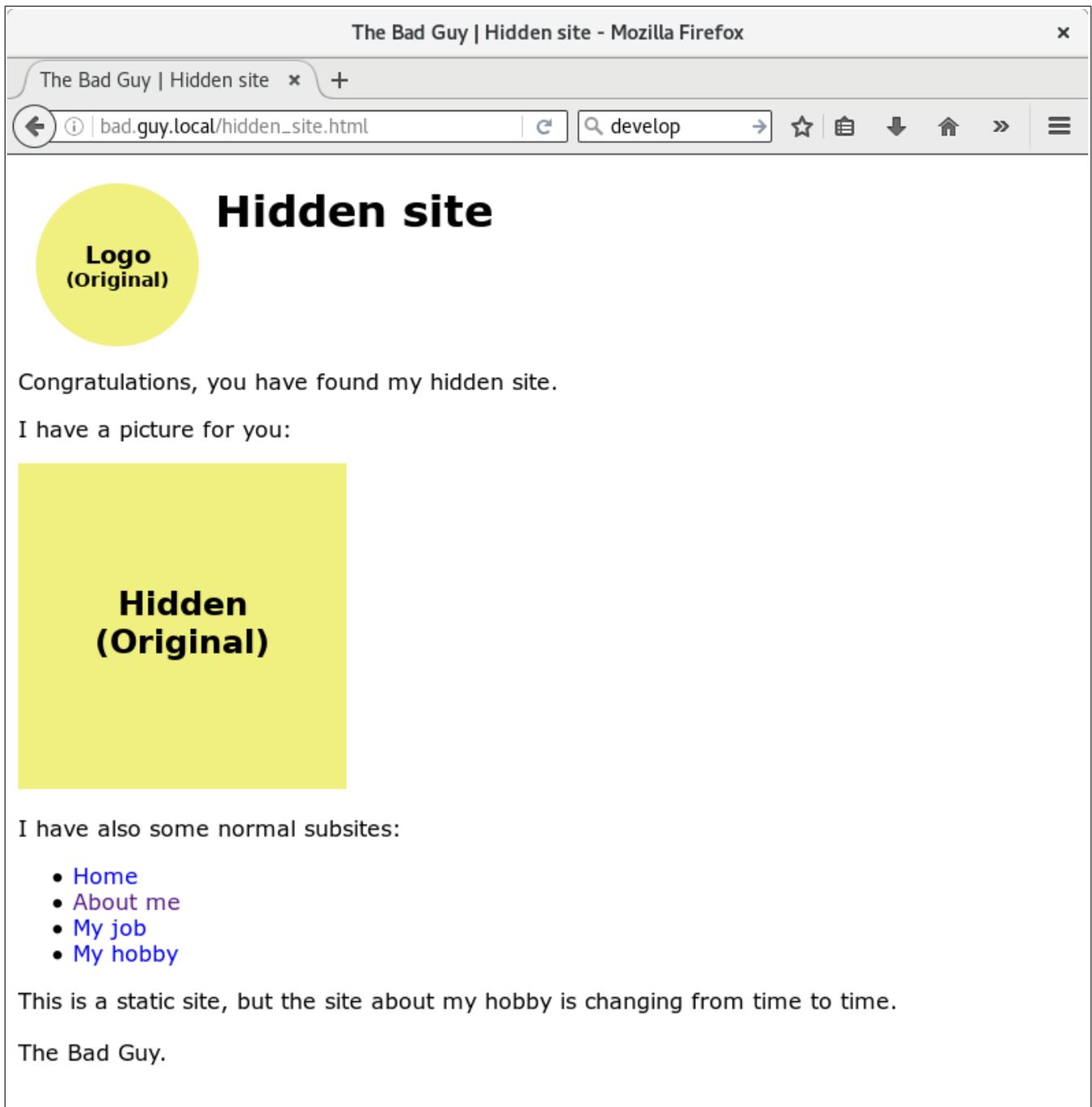
```
root@patrick01:/srv/http/js
Datei Bearbeiten Ansicht Suchen Terminal Hilfe
[root@patrick01 js]#
[root@patrick01 js]# cat script.js
/* Just a JavaScript file. */

window.onload = function() {
  var clickme = document.getElementById("clickme")
  clickme.onclick = function() {
    location.href = "/hidden_site.html";
  }
}
[root@patrick01 js]#
```

Notes:

On the „About me“ site a click on the Logo and Header will open the „Hidden site“.
The WSM-script has to respect included JavaScript files! (TODO!)

Hidden site



The screenshot shows a Mozilla Firefox browser window with the title "The Bad Guy | Hidden site - Mozilla Firefox". The address bar contains "bad.guy.local/hidden_site.html" and the search engine is set to "develop". The page content includes a yellow circular logo with the text "Logo (Original)", a large heading "Hidden site", a congratulatory message, a picture of a yellow square with "Hidden (Original)", a list of subsites, and a footer.

Logo (Original)

Hidden site

Congratulations, you have found my hidden site.

I have a picture for you:



Hidden (Original)

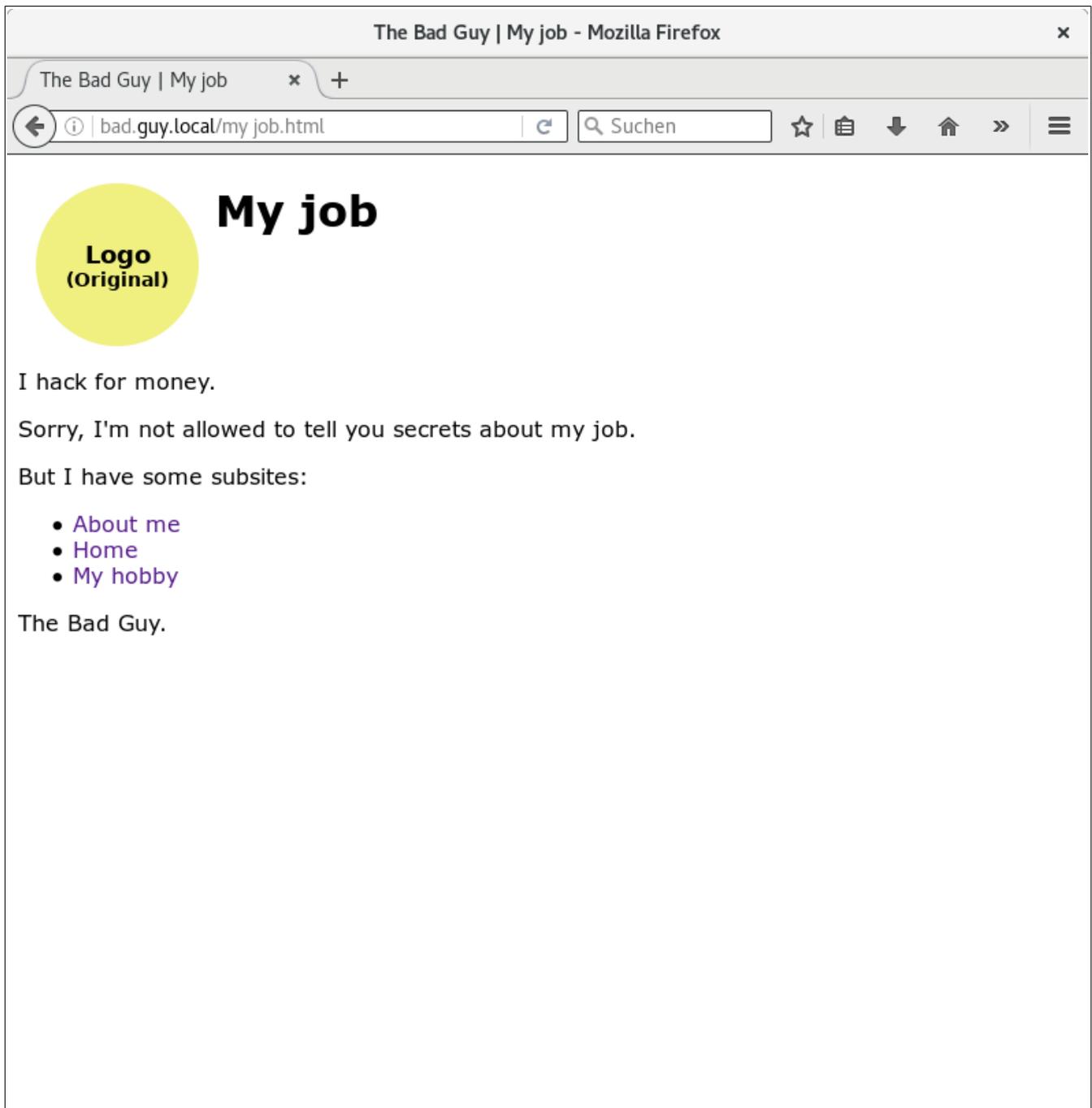
I have also some normal subsites:

- [Home](#)
- [About me](#)
- [My job](#)
- [My hobby](#)

This is a static site, but the site about my hobby is changing from time to time.

The Bad Guy.

„My job“



The screenshot shows a Mozilla Firefox browser window. The title bar reads "The Bad Guy | My job - Mozilla Firefox". The address bar contains "bad.guy.local/my job.html". The page content includes a yellow circular logo with the text "Logo (Original)", a main heading "My job", and several paragraphs of text: "I hack for money.", "Sorry, I'm not allowed to tell you secrets about my job.", "But I have some subsites:", a bulleted list with links "About me", "Home", and "My hobby", and finally "The Bad Guy."

Notes:

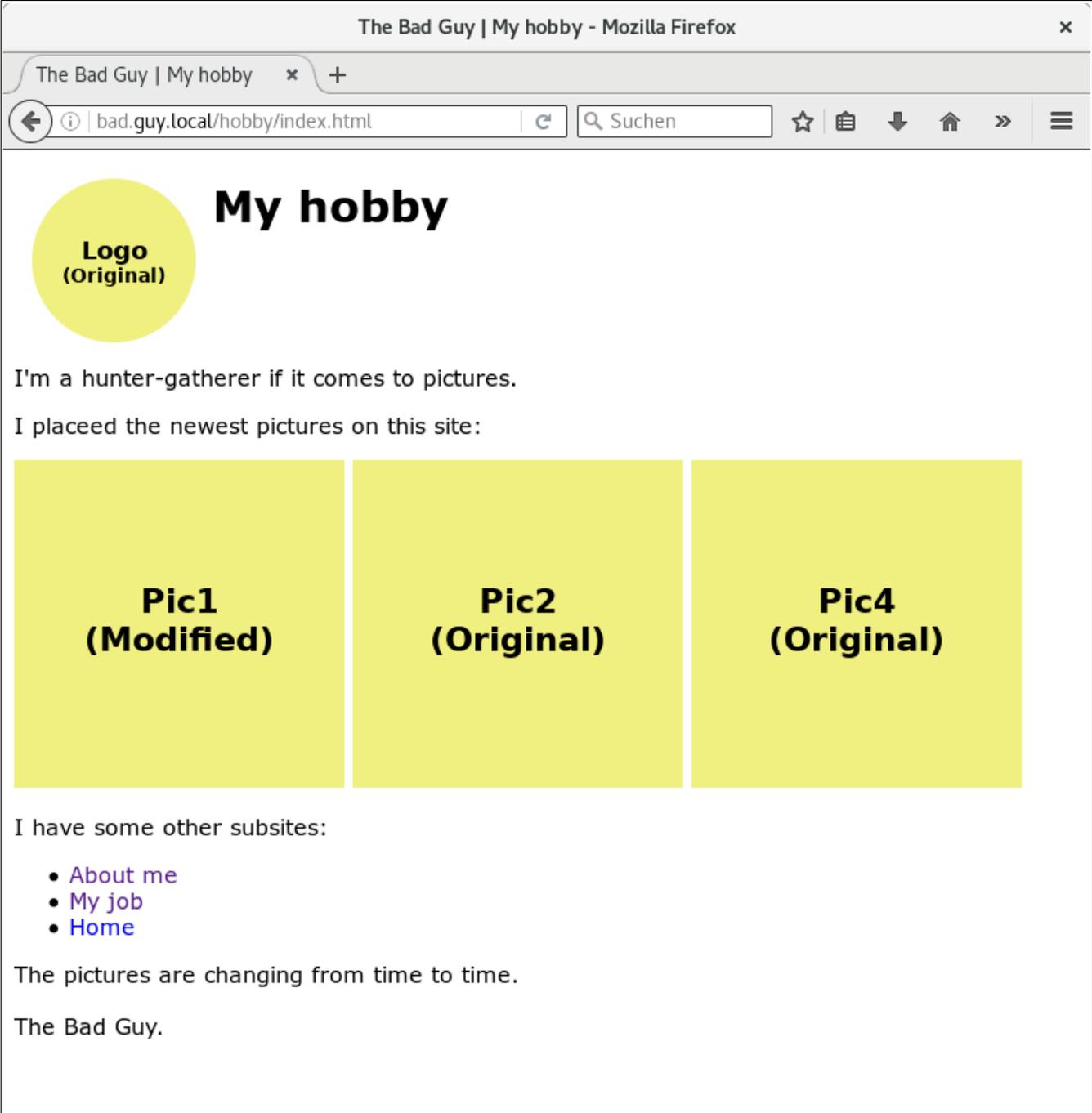
The filename of the „My job“ site contains a space.

The WSM-script has to respect spaces in filenames! (DONE!)

My hobby (before)

The screenshot shows a Mozilla Firefox browser window with the title 'The Bad Guy | My hobby - Mozilla Firefox'. The address bar contains 'bad.guy.local/hobby/index.html' and the search engine is set to 'develop'. The page content includes a yellow circular logo labeled 'Logo (Original)', a main heading 'My hobby', a paragraph 'I'm a hunter-gatherer if it comes to pictures.', another paragraph 'I placed the newest pictures on this site:', three yellow rectangular placeholders labeled 'Pic1 (Original)', 'Pic2 (Original)', and 'Pic3 (Original)', a paragraph 'I have some other subsites:' followed by a bulleted list of links: 'About me', 'My job', and 'Home'. The page concludes with the text 'The pictures are changing from time to time.' and 'The Bad Guy.'

My hobby (after)



The screenshot shows a Mozilla Firefox browser window with the title 'The Bad Guy | My hobby - Mozilla Firefox'. The address bar contains 'bad.guy.local/hobby/index.html'. The page content includes a yellow circular logo labeled 'Logo (Original)', a main heading 'My hobby', and a paragraph: 'I'm a hunter-gatherer if it comes to pictures. I placed the newest pictures on this site:'. Below this are three yellow rectangular placeholders labeled 'Pic1 (Modified)', 'Pic2 (Original)', and 'Pic4 (Original)'. Further down, there is a list of links: 'About me', 'My job', and 'Home'. The page concludes with the text: 'The pictures are changing from time to time. The Bad Guy.'

Notes:

Pic1: content has changed.

Pic2: filename has changed.

Pic3: the file was deleted.

Pic4: the file was added as a new one.

The WSM-script has to respect modified, renamed, deleted and new files! (DONE!)