Lab assignment 1

Geert Bakker  
Luuk de Niet

# Virtual Machine

Installation went without a problem

# http Request Messages: GET/HEAD

## 2.1)

1e: HEAD (with host nu.nl) > Permanent moved (301)

pracuser@pracuser-VirtualBox:~$ telnet nu.nl 80

Trying 62.69.166.254...

Connected to nu.nl.

Escape character is '^]'.

HEAD /sport HTTP/1.1

host:nu.nl

HTTP/1.1 301 MOVED PERMANENTLY

Location: http://www.nu.nl/sport

Via: sanin009.noa

Connection closed by foreign host.

2e: HEAD (with host [www.nu.nl](http://www.nu.nl)) > no response

pracuser@pracuser-VirtualBox:~$ telnet www.nu.nl 80

Trying 62.69.166.210...

Connected to nu-nl.gslb.sanomaservices.nl.

Escape character is '^]'.

HEAD /sport HTTP/1.1

host:www.nu.nl

3e: GET (with host www.nu.nl) ) contents received

## 2.2)

Yes it corresponds with what we see in a browser. But offcourse without css or actual images.

## 2.3)

It expires in a minute. When the page is requested within that minute, the browser will show the cached version instead of requesting it at the server. This reduces traffic.

## 2.4)

The browser looks in the cache if it has the page. If it does, it checks the if-modified-since field in the request with the last-modified field in the cache. If the if-modified-since field is before the last-modified, the browser will ask the server for the new copy. Otherwise the cached page is loaded.

# HHTP Request Message: PUT

3.1  
If the content-length field is smaller it cuts of the message. And if it exceeds the content it adds enters to fill the message.

# 4. Basic Authentication

4.1)  
Als je je wachtwoord opslaat blijf je ingelogd bij het herladen. Gebeurt ook als je je wachtwoord niet opslaat in de browser.

4.2)  
1e poging:

pracuser@pracuser-VirtualBox:~$ telnet httpbin.org 80

Trying 23.21.86.144...

Connected to httpbin.org.

Escape character is '^]'.

HEAD /basic-auth/user/passwd HTTP/1.1

host:httpbin.org

HTTP/1.1 401 UNAUTHORIZED

Connection: keep-alive

Server: gunicorn/18.0

Date: Mon, 11 Nov 2015 14:06:22 GMT

Access-Control-Allow-Credentials: true

Access-Control-Allow-Origin: \*

Www-Authenticate: Basic realm="Fake Realm"

Content-Length: 0

Via: 1.1 vegur

Connection closed by foreign host.

2e poging:

pracuser@pracuser-VirtualBox:~$ telnet httpbin.org 80

Trying 107.20.202.171...

Connected to httpbin.org.

Escape character is '^]'.

HEAD /basic-auth/user/passwd HTTP/1.1

host:httpbin.org

Authorization: Basic dXNlcjpwYXNzd2Q=

HTTP/1.1 200 OK

Connection: keep-alive

Server: gunicorn/18.0

Date: Mon, 11 Nov 2015 14:11:49 GMT

Content-Type: application/json

Content-Length: 46

Access-Control-Allow-Origin: \*

Access-Control-Allow-Credentials: true

Via: 1.1 vegur

## 4.3)

No, we get the 401 error again.

pracuser@pracuser-VirtualBox:~$ telnet httpbin.org 80

Trying 23.21.86.144...

Connected to httpbin.org.

Escape character is '^]'.

HEAD /basic-auth/user/passwd HTTP/1.1

host:httpbin.org

HTTP/1.1 401 UNAUTHORIZED

Connection: keep-alive

Server: gunicorn/18.0

Date: Mon, 11 Nov 2015 14:14:33 GMT

Access-Control-Allow-Credentials: true

Www-Authenticate: Basic realm="Fake Realm"

Access-Control-Allow-Origin: \*

Content-Length: 0

Via: 1.1 vegur

# 5. Survey TODO applications

## 5.1)

[www.any.do](http://www.any.do)

[www.asana.com](http://www.asana.com)

## 5.2)

[www.any.do](http://www.any.do)

* Easy to use – rule #1 positive
* Very clean interface – rule #2 positive
* When you make a new task you only get 1 text field with the name and no extra options – rule #2 positive
* Extra options are hidden behind small icons – rule #2 positive
* All small icons have self-explanatory purpose – rule #3 positive
* You can upload attachments just by dragging them – rule #1 positive

[www.toodledo.com](http://www.toodledo.com)

* You see lots of buttons when you first start the app – rule #1/#2 negative
* You get asked to watch a video tutorial – rule #3 negative
* When you want to add a date to a task you immediately get a pop up with a manual input field, a calendar where you can select a date and a list of quick select dates. – rule #2 negative
* The most import thing, your tasks are a very tiny part of the screen – rule #1 negative
* You can collapse the option screen to reduce clutter – rule #2 positive

# 6. Usability Test

## 6.1)

[www.toodledo.com](http://www.toodledo.com)

Setting up a new task and deadline was intuitive and only took a couple seconds. It took 7 clicks to make a new task and set up an alarm. However you have to enter your email again and set an option before you can set up a reminder. Customized reminders are a subscriber feature.

[www.any.do](http://www.any.do)

Setting up a new task and deadline was intuitive and only took a couple seconds. It took 6 clicks to make a new task and set up an alarm. Not clear how reminders work and no (obvious) way to set up a custom reminder.

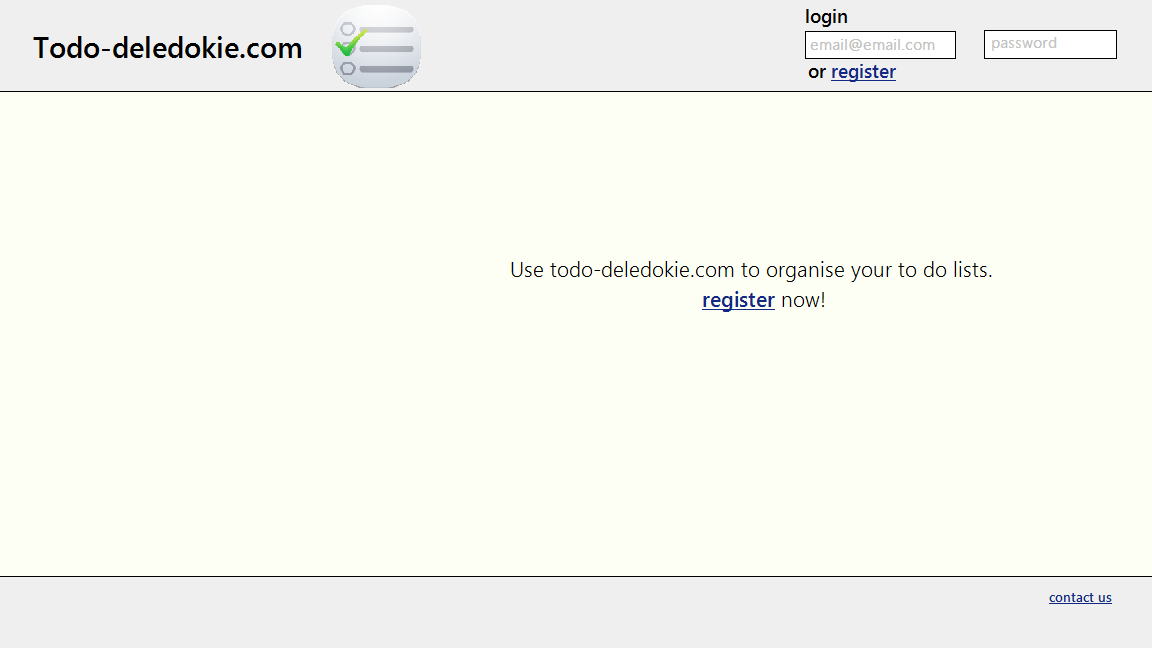
# 7. TODO list features

## 7.1)

1. Create a todo list item,
2. Sort the list according to date
3. Delete a todo list item
4. Add/change deadline of todo list item
5. Set reminder for todo list item
6. Add note to todo list item
7. Set priority of todo list item
8. Sort the according to priority
9. Share todo list item with other people
10. Set a todo list item as recurring task

# 8. Your own TODO app, design phase

## 8.1)



# 8.2)

