

Functional design

Actors

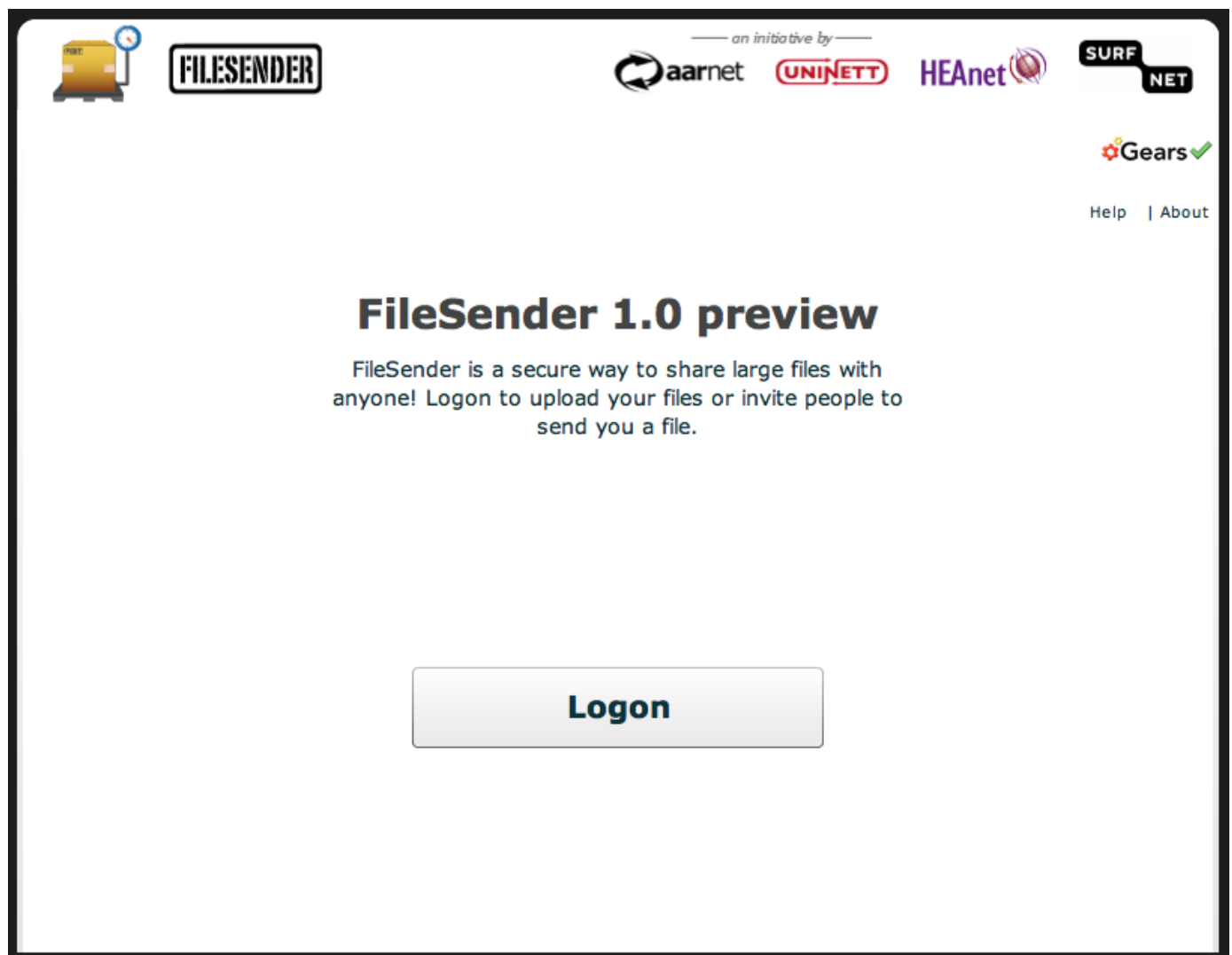
There are 4 types of entities that can influence the working of Filesender:

- An Authenticated user. He or she can upload, remove and share files. Also he can create and remove vouchers.
- A download user. He or she can download a file after receiving an email issued by an authenticated user.
- A voucher user. He or she can create one single download and share it. A voucher user can do this after receiving an invitation issued by an authenticated user.
- A cleanup daemon that removes expired downloads and vouchers. This daemon is time triggered.

Action sequences

Authentication

Login



A user can become an authenticated user after login at the login screen.

Action:

- Press login - the user will be redirected to [Identity selection](#)

Identity selection

Here a user can specify the authenticated method. The options depends on the server configuration.

Action:

- choose an authentication backend

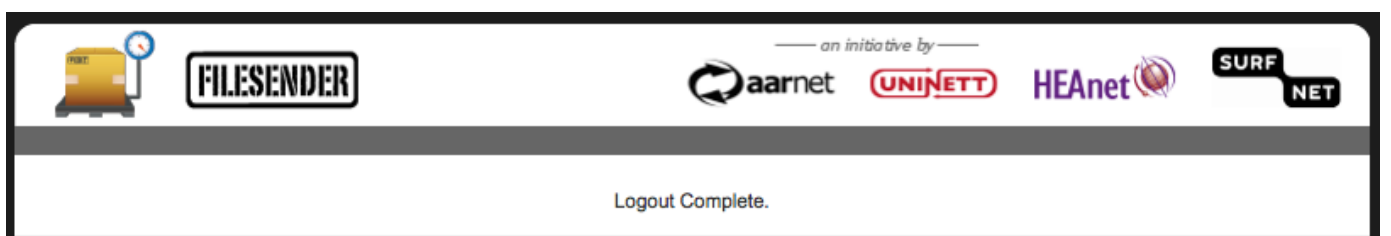
Authenticated menu

The menu is available to an authenticated user at all time.

Actions:

- [New upload](#) - will initial the new upload process
- [Vouchers](#) - will list the active vouchers
- [My files](#) - will list the active files
- Help - will redirect the user to a custom help page
- About - will redirect the user to a custom about page
- [Logout](#) - ends the authenticated user session

Logout



When an authenticated user presses the logout button, the session is ended and the user is prompted with a confirmation.

Actions:

- None

New upload

step 1

The screenshot shows the FILESENDER web interface. At the top, there are logos for aaronet, UNINETT, HEAnet, and SURFNET, along with the text 'an initiative by'. Navigation buttons include 'New Upload', 'Vouchers', 'My Files', 'Log Off', and 'Gears' with a checkmark. The user is logged in as 'Wendy Mason'. The main section is titled 'Gears Upload' and contains a form with the following fields: 'To:' (empty), 'From:' (empty), 'Subject: (Optional):' (filled with 'Large file'), 'Message: (Optional):' (filled with 'Here is that large file you requested!'), 'Expiry date:' (filled with '08-02-2011' and a calendar icon), 'File to Upload:' (with a 'Browse' button and the text 'Archive.zip'), and 'Size:' (filled with '46.23 MB'). There is a checkbox for 'I accept the terms and conditions of this service' which is checked, and a text area for 'AuP Terms and conditions'. A 'Send' button is at the bottom right. On the right side of the form, there are four numbered steps: 1. Enter delivery email address(es), 2. Set expiry date, 3. Browse for a file, and 4. Click on Send.

Here a user can upload a file to the server and specify the email addresses of people who are allowed to download this file. Optionally an email subject and body can be specified. The file can be downloaded until the specified expire date.






Fields:

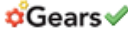
- Recipient email address(es)
- Email subject (optional)
- Email body (optional)
- Expire date
- File upload

Action:

- Send - will upload the file to the server. The user is redirected to [step 2 uploading](#).

step 2 uploading



[New Upload](#) [Vouchers](#) [My Files](#) [Log Off](#) 

Welcome Wendy Mason1.0 RC1 | [Help](#) | [About](#)

Gears Upload

To:
From:
Subject: (Optional)
Message: (Optional)
Expiry date:
File to Upload:
Size:

Large file
Here is that large file you requested!
08-02-2011
Archive.zip
46.23 MB
☒ I accept the terms and conditions of this service
AuP Terms and conditions

1 Enter delivery email address(es)

2 Set expiry date

3 Browse for a file

4 Click on Send

Uploading 25%

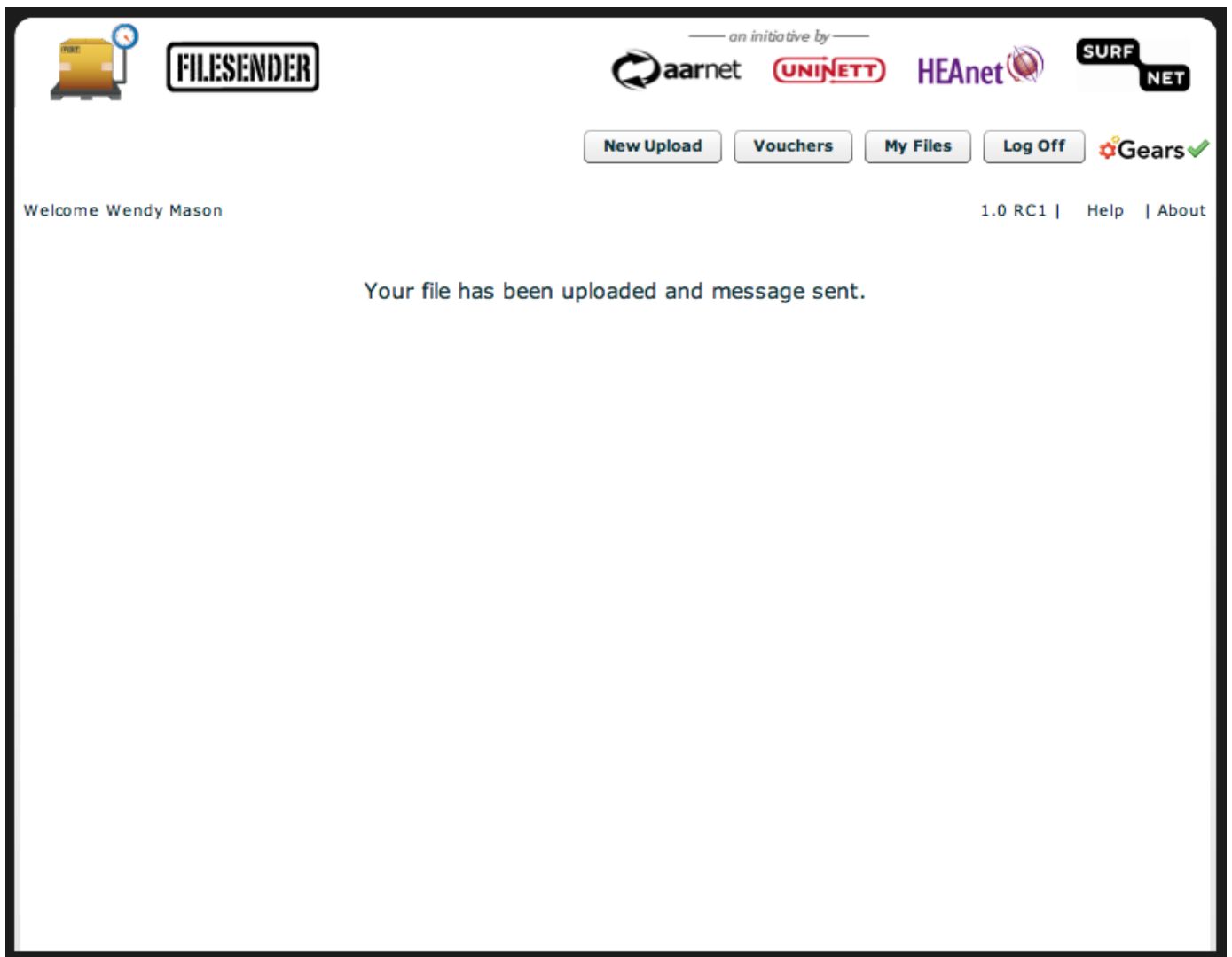
Cancel

When the Send button in step 1 is pressed the user is presented a 'uploading' screen', until the upload process is complete. After the user is redirected to [step 3 upload finished](#).

Actions:

- None

step 3 upload finished



When the upload is complete the user is presented with a 'upload completed' dialog. This is the final step in the new upload process. The server will send a email with a download URL to the specified addresses.

Actions:

- None

File Download

step 1 - email

Dear Sir, Madam,

The file below has been uploaded to FileSender 1.0 preview by [REDACTED] and you have been granted permission to download this file.

Filename	Filesize	Download link	Valid until
Archive.zip	46.23 MB	https://filesender.surfnet.nl/latest/?vid=2BAF96D0-5930-493C-7FEF-9CBCA804FD93	08-Feb-2011

Personal message from [REDACTED] (optional):
<i>Here is that large file you requested!</i>

Best regards,

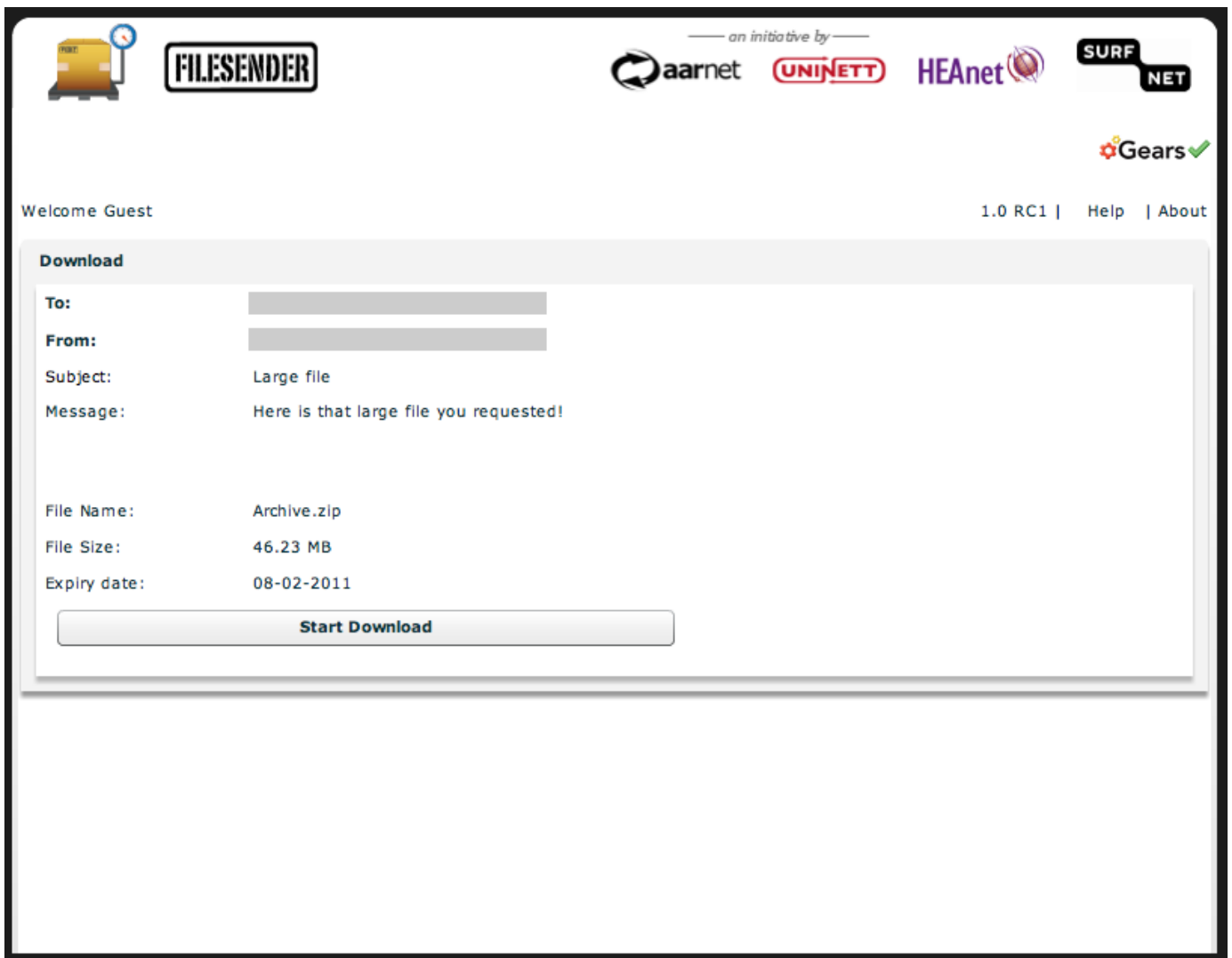
FileSender 1.0 preview

When a file is shared with a guest he will receive an email. This email contains the body and subject specified by the file uploader. Also it contains a URL which can be used to download the file.

Actions:

- Press download URL, this will open [step 2 - Download screen](#)

step 2 - Download screen



The user is prompted with the file properties.

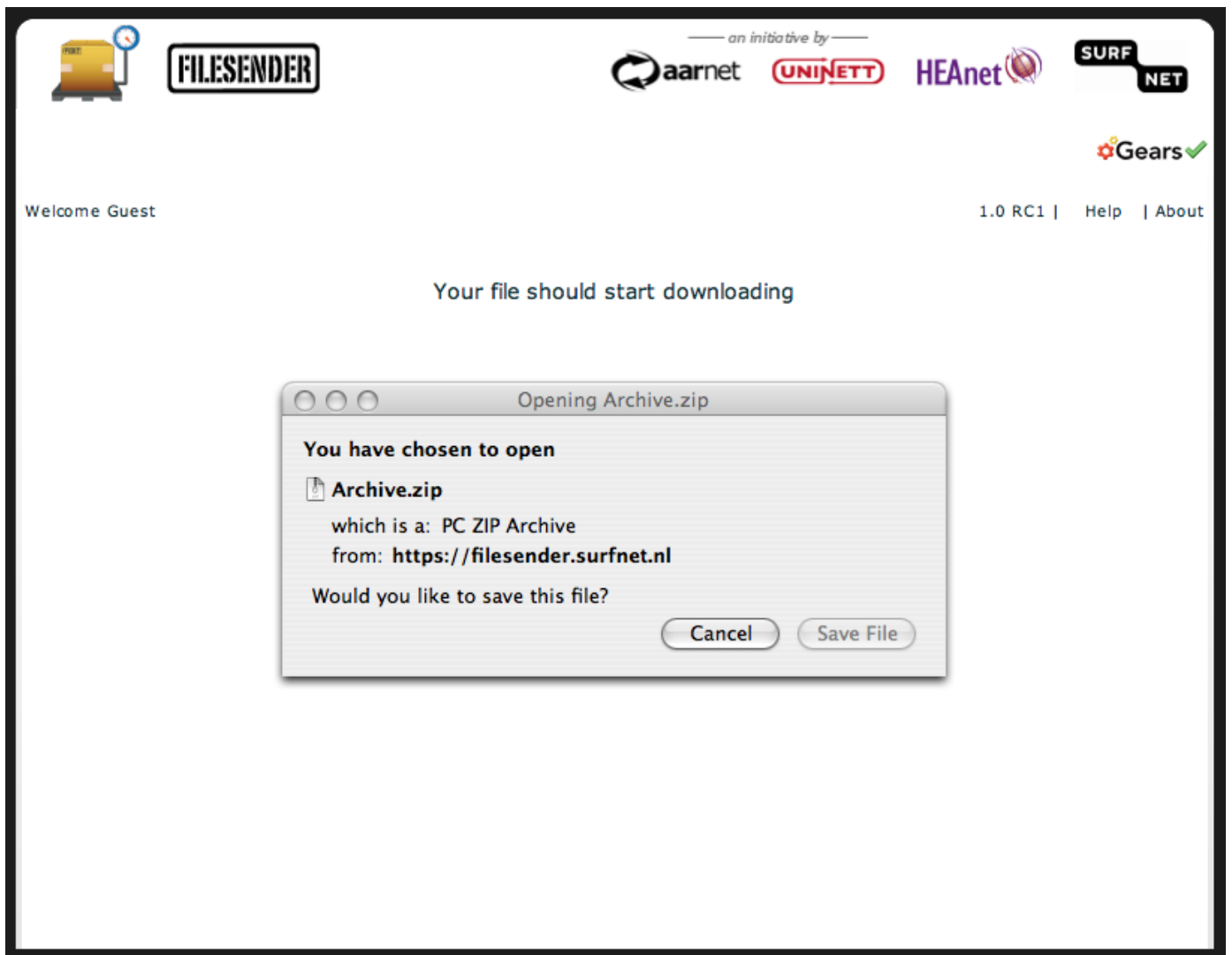
The properties are:

- Sender email
- Receiver email
- Email subject (if any)
- Email body (if any)
- File Name
- File Size
- Expire Date

Actions:

- Press 'start download'. The user is prompted with the browser download dialog, and continue to [Step 3 - file download](#).

Step 3 - file download









The user is downloading the file. The user can end the session, no actions are left.

Actions:

- None

Vouchers








[New Upload](#)
[Vouchers](#)
[My Files](#)
[Log Off](#)
 [Gears](#)



Welcome Wendy Mason 1.0 RC1 | [Help](#) | [About](#)

Vouchers

A Voucher allows someone to send you a file.
 To create a voucher, enter an email address then select Send Voucher.
 An email will be sent to the recipient with a link to use the Voucher.

Send Vouchers to:
 Valid to: 
[Send Voucher](#)

Current Valid Vouchers

To	Voucher Sent	Valid to	
	19-01-2011	08-02-2011	

Here an authenticated user can create and remove vouchers. Vouchers can be send to an email address.

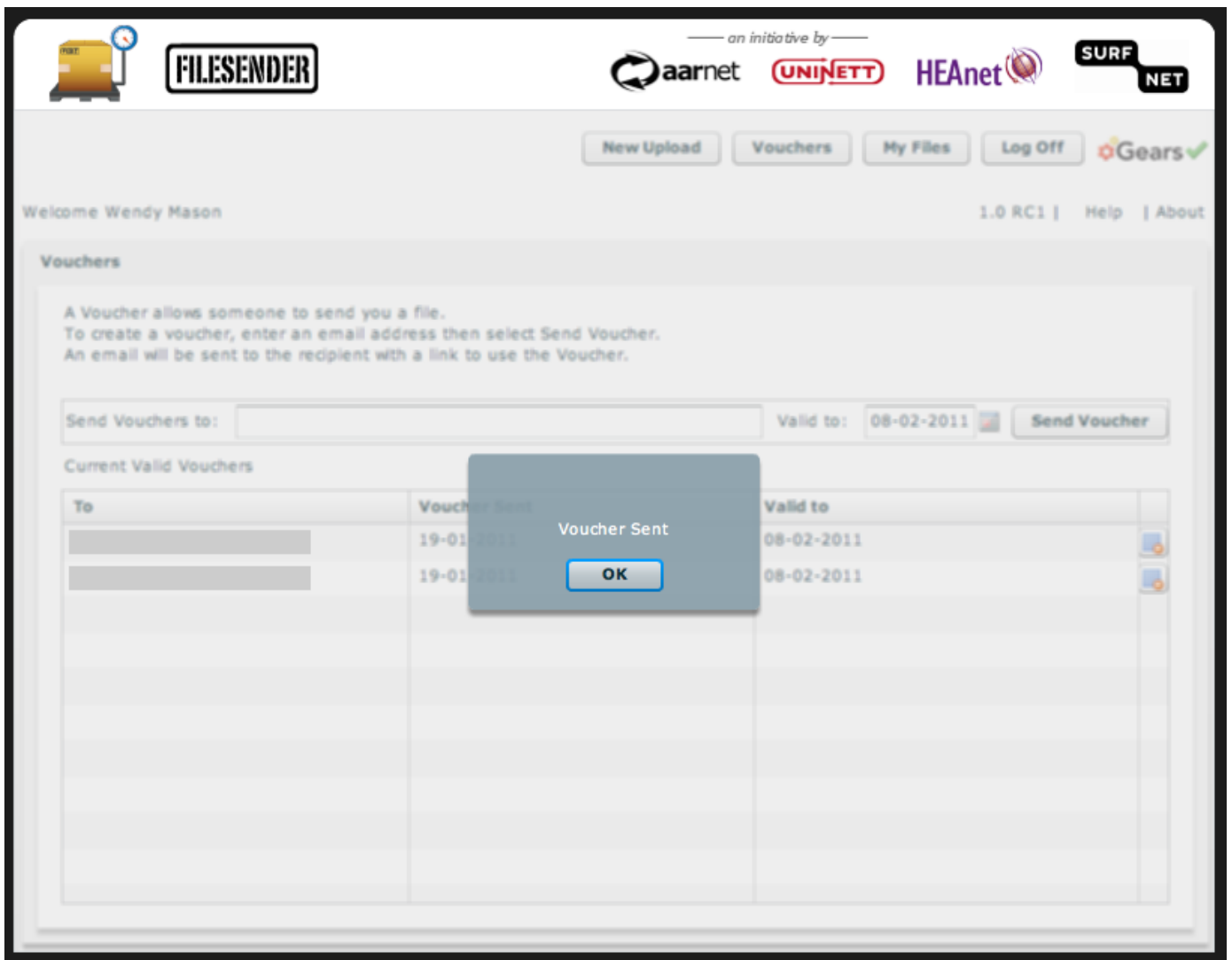
parameters:

- 'send voucher to:' required to create a voucher

Actions:

- Press 'send voucher' which will give the [Create voucher](#) dialog.
- Press the delete voucher linked to a voucher (if any), which will give the [delete voucher](#) dialog.

Create voucher



When an email address is specified and 'send voucher' is pressed the user is prompted with a notification.

Actions:

- OK button, will return user to [Vouchers](#).

Use voucher

Dear Sir, Madam,

Please, find below a voucher which grants access to FileSender 1.0 preview.

With this voucher you can upload once one file and make it available for download to a group of people.

Issuer	Voucher link	Valid until
	https://filesender.surfnet.nl/latest/?vid=9CCAE634-2865-0424-3070-9CC617F4003D	08-Feb-2011

Best regards,

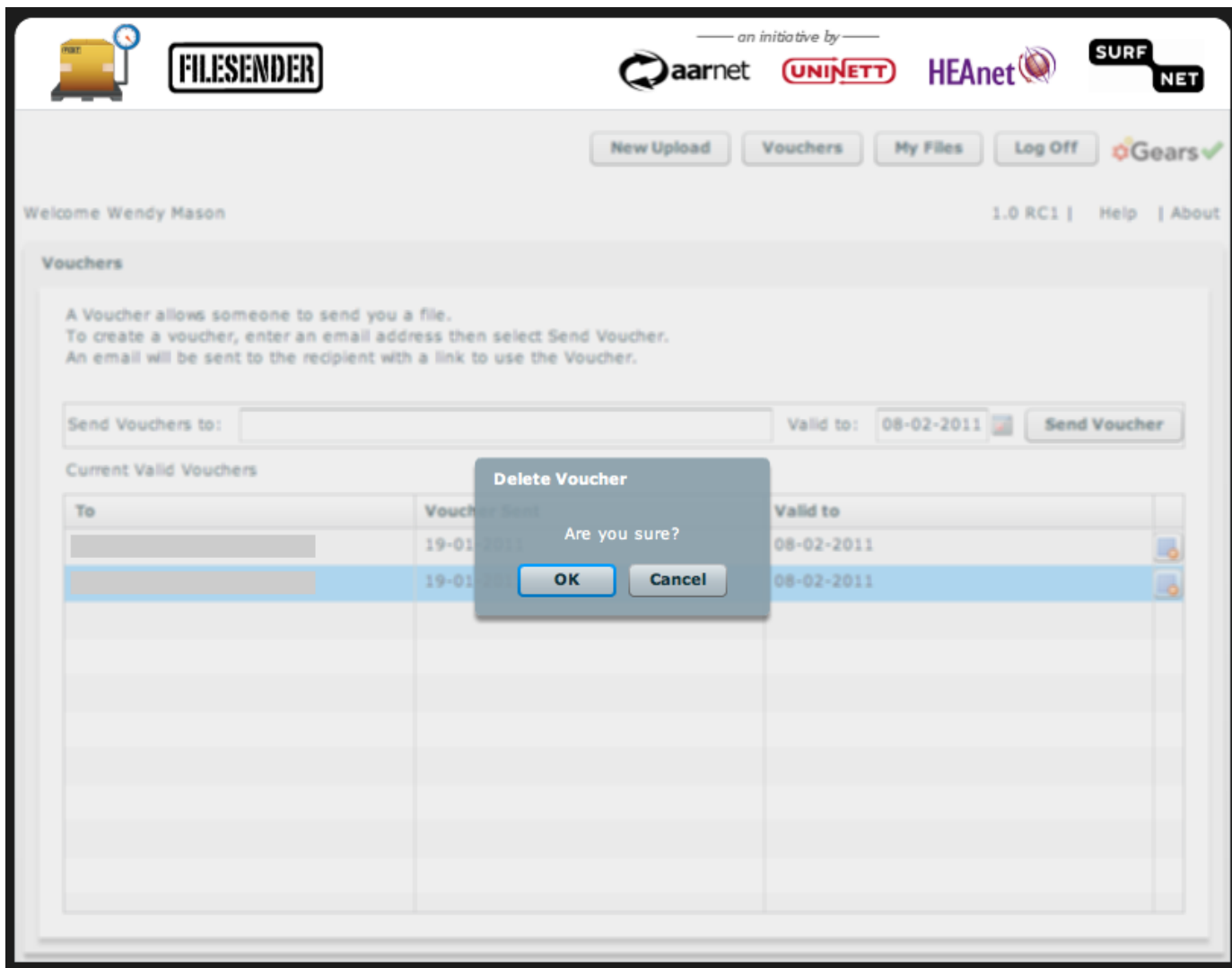
FileSender 1.0 preview

When a voucher is created by an authenticated user an email is sent to the specified user.

Actions:

- Open URL in email. This will bring the user to a filesender installation and he can upload a file. This is the same action sequence as [New upload](#)'.

delete voucher

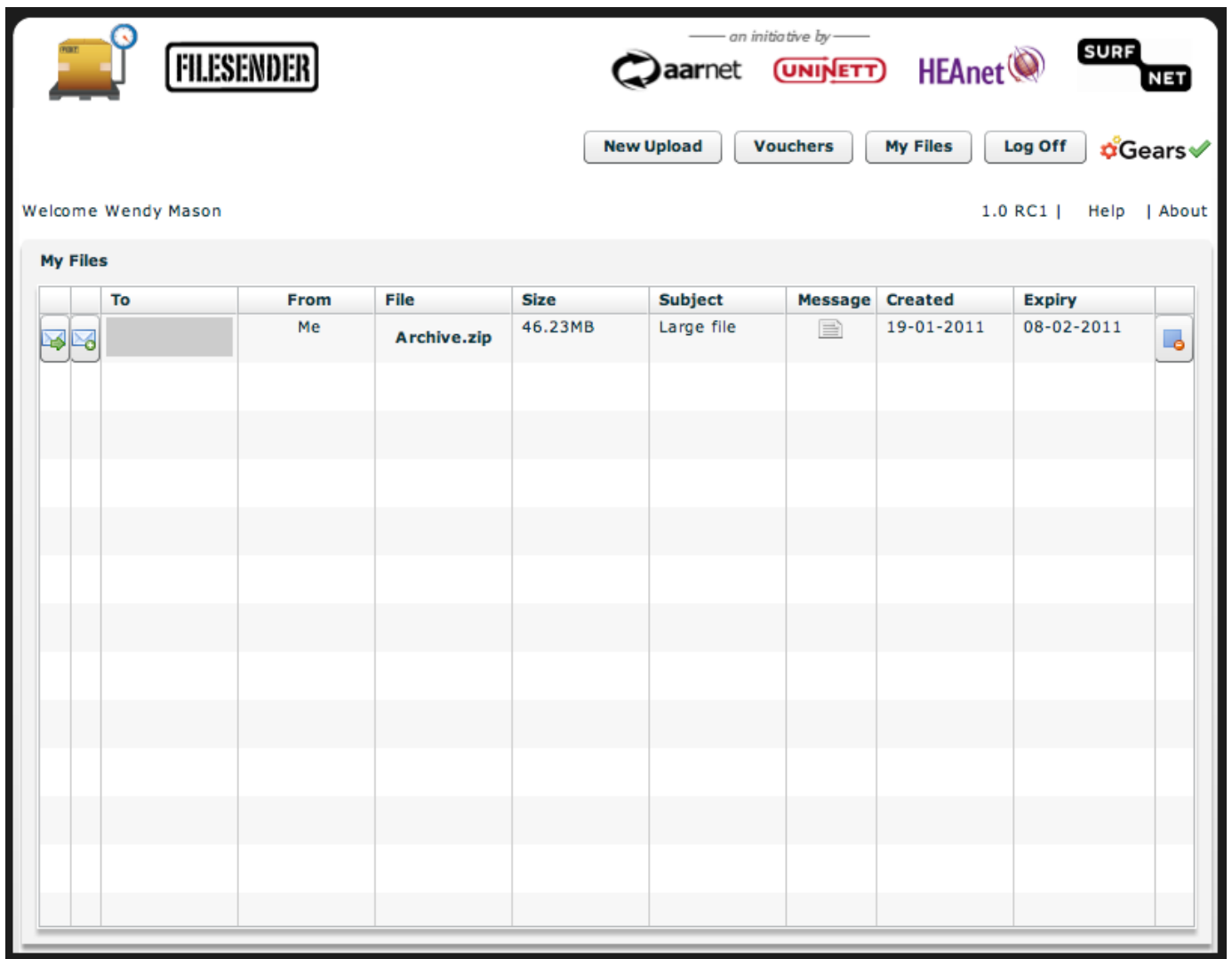


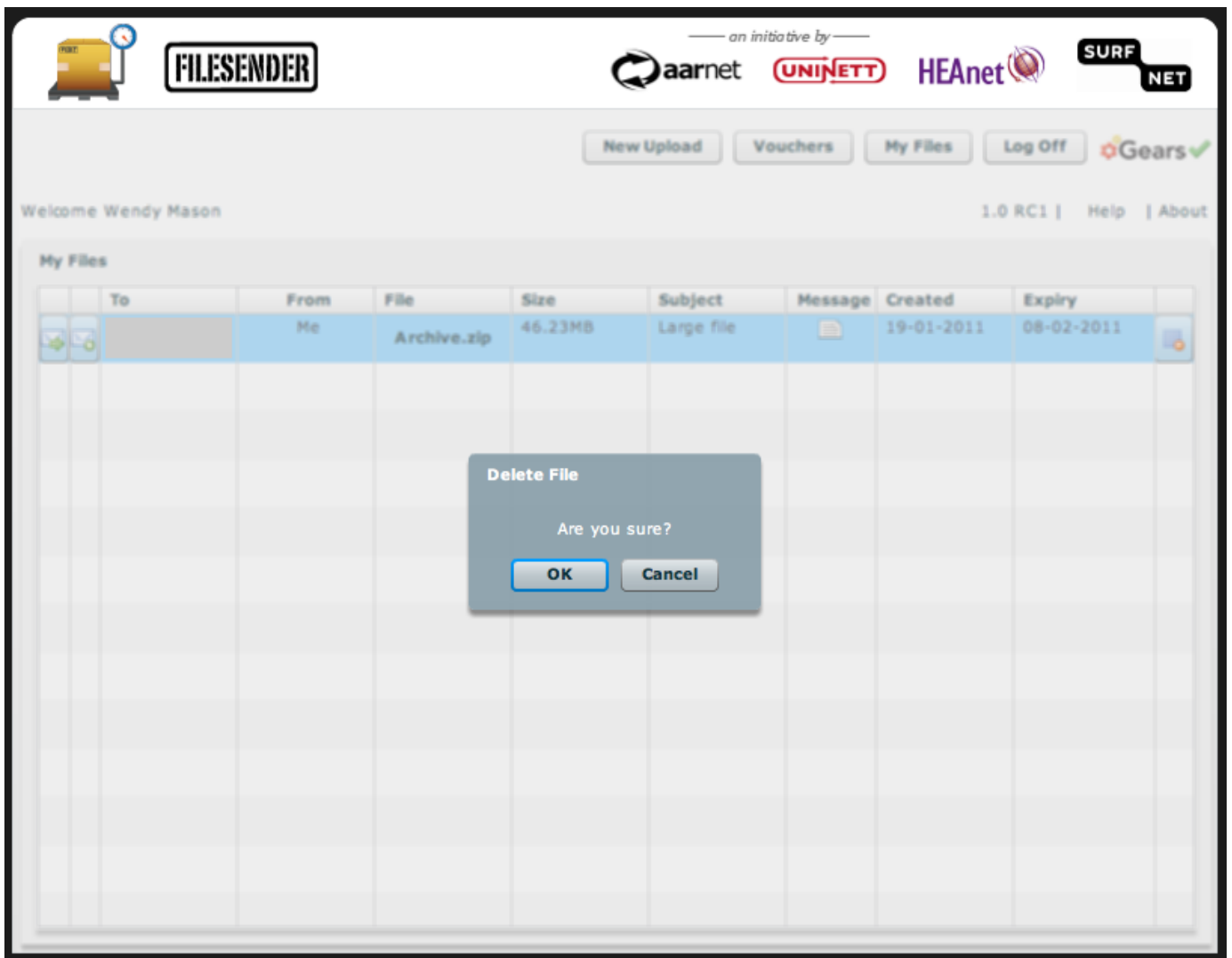
When a user presses the delete button linked to a voucher he is prompted with a confirmation dialog.

Action:

- confirm deletion. After the user is returned to [vouchers](#).

My files





When an authenticated user presses the delete button linked to a uploaded file, the user is prompted with a confirmation dialog.

action:

- Confirm, will delete the file and the user is returned to [My files](#).
- cancel, don't delete the file and return to [My files](#).