Developer documentation

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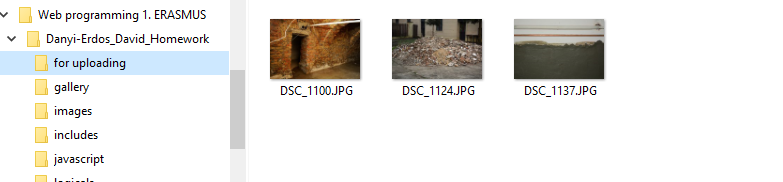
Folder and file structure

This is the whole content when we open the .zip file (after unpacking). So we can see the documentation (’Documentation.docx’), the ’index.php’ file, my own video (’hoember.mp4’), and other folders (I will write about them below).

A képen szöveg látható

Automatikusan generált leírás

So these are the pictures in the ’for uploading’ folder which we can use for testing the image uploading function of the web application (under the ’GALLERY’ menu).



Images in the ’gallery’ folder which we can see under the ’GALLERY’ menu ont he website.

A képen képernyőkép, több látható

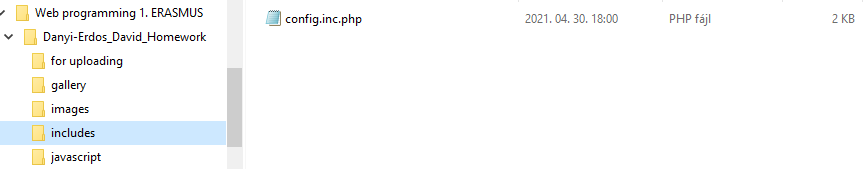
Automatikusan generált leírás

Images in the ’images’ folder, so these pictures are ont he homepage, and the logo on every page (of course).

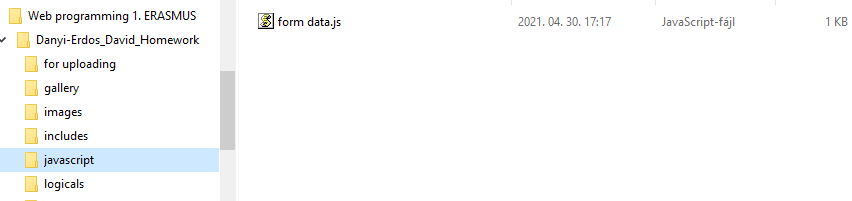
A képen szöveg, képernyőkép látható

Automatikusan generált leírás

The ’config.inc.php’ file in the ’includes’ folder, where are variables which we can use for the website, and it is good because if we would like to change some content ont he page (for example the menu) then it is enough if we change it just in this file, so we don’t have to change every page’s menu. There are lots of „defined variables” in this file.



In this folder (’javascript’) there is the javascript file (’form data.js’) where we check the form data on the client side.

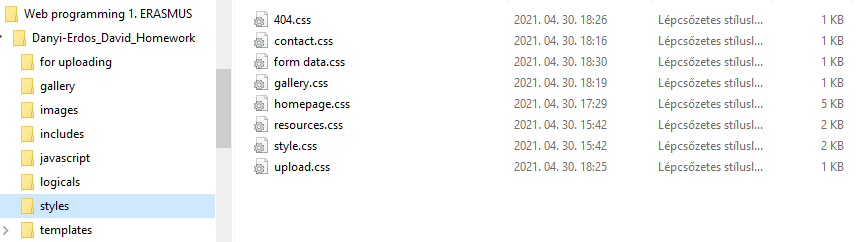


These .php files in the ’logicals’ folder are the those files which will implements logically the functions of the page (like uploading images, or checking the form ont he server side). So we can see here the ’form data.php’, the ’gallery.php’ and the ’upload.php’ files.

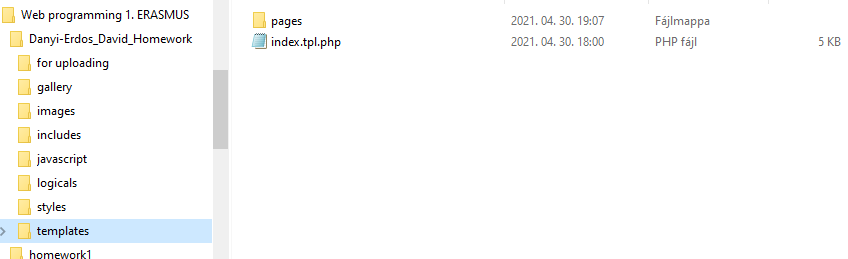
A képen szöveg látható

Automatikusan generált leírás

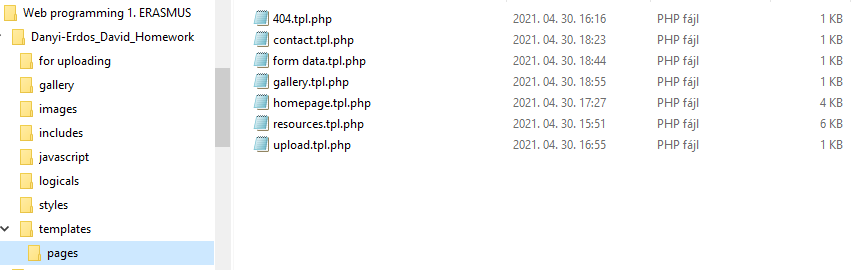
These are the .css files in the ’styles’ folder.



Here in the ’templates’ folder there are those .tpl.php files which will implements the appearance of the website (and .css files too of course). The main .tpl.php file is the ’index.tpl.php’ file, and the other files are in the ’pages’ folder.



So here are the other .tpl.php files in the ’pages’ folder. For example here is the ’404.tpl.php’ file which will appear when a page not found – for this there is a ’404.css’ file too.



Exercises and my solutions for them

1. exercise

Exercise (between quotation marks):

„Realize the web site with at least 5 pages with the Front Controller design pattern. Use the HTML5 elements extensively. Place a hyperlink on your front page to the selected organization webpage. **(5 points)**”

My solution:

I used the Front Controller design pattern for my web application, you can see it ont he folders and files structure. For example if we click one of a menu, it will call the ’index.php’ file which includes the ’config.inc.php’ and the ’index.tpl.php’ files. I asked Mr. teacher via e-mail how many pages we have to implement from our selected organization, and Mr. teacher wrote to me that two, so I did it, so I implemented the homepage and the ’RESOURCES’ page (it’s file is the ’resources.tpl.php’ file in the ’templates/pages’ folder) from my selected organization’s webpage – for this website there is the hyperlink in the footer section (under ’My Selected Organization’ text). Ont he homepage I didn’t create the form section already, because I knew I will create a form for the ’CONTACT’ menu (but yes, I know, my form ont he ’CONTACT’ menu is much simpler than the organization’s form on their’s homepage).

2. exercise

Exercise (between quotation marks):

„Embed at least 2 videos on your front page: one from the own folder, the other from a service provider (e.g. Youtube, Ustream, Scribd). The length of the videos in the own folder shouldn’t be longer than 5 minutes due to the size limit. **(1 point)**

My solution:

I embedded two videos ont he homepage (my own is 4 sec.). As code these are in the ’homepage.tpl.php’ file.

3. exercise

Exercise (between quotation marks):

„Use a Contact form that helps sending e-mails tot he website owner. But instead of sending the e-mail, show the form data as the content of a 6th page. Validate the forma t client and server side. **(3 points)**”

My solution:

Under the ’GALLERY’ menu we can see pictures, and here we can upload new pictures too. The files which are responsible for this function are the ’gallery.tpl.php’, ’upload.tpl.php’, ’gallery.php’, ’upload.php’, ’gallery.css’, ’upload.css’ files.

4. exercise

Exercise (between quotation marks):

„Create a page for an image gallery. Make possible uploading new images **(2 points).**”

My solution:

Under the ’CONTACT’ menu we can „write e-mail”, so actually we can write a message, and after we click ont he ’Send’ button, the form data will appear under the ’FORM DATA’ menu. After we saw the form data on the ’FORM DATA’ menu and then we click on other menu and then click back to ’FORM DATA’, the page will shows like ’error messages’ (’Wrong name!’, ’Wrong e-mail!’, etc.), so this is „normal” (actually the „default” appearance of the ’FORM DATA’ page is this, as showing the „error messages”). The files which are important for this function are the ’contact.tpl.php’, ’form data.tpl.php’, ’form data.php’, ’contact.css’, ’form data.css’ files.

5. exercise

Exercise (between quotation marks):

„Apply responsive design techniques with Bootstrap framework **(2 points)**”

My solution:

I used the Bootstrap framework for my webpage, and for this I put links into the head section of the ’index.tpl.php’ file.

6. exercise

Exercise (between quotation marks):

„Upload the application to an Internet hosting site. **(3 points)**”

My solution:

My web application’s link is this:  
[**https://ourcommunity2021.000webhostapp.com/**](https://ourcommunity2021.000webhostapp.com/)

My hosting provider is: [**https://www.000webhost.com/**](https://www.000webhost.com/)

Here the login in data:

Email: [**kereszteslovag333@gmail.com**](mailto:kereszteslovag333@gmail.com)

Password: **Homework2021**

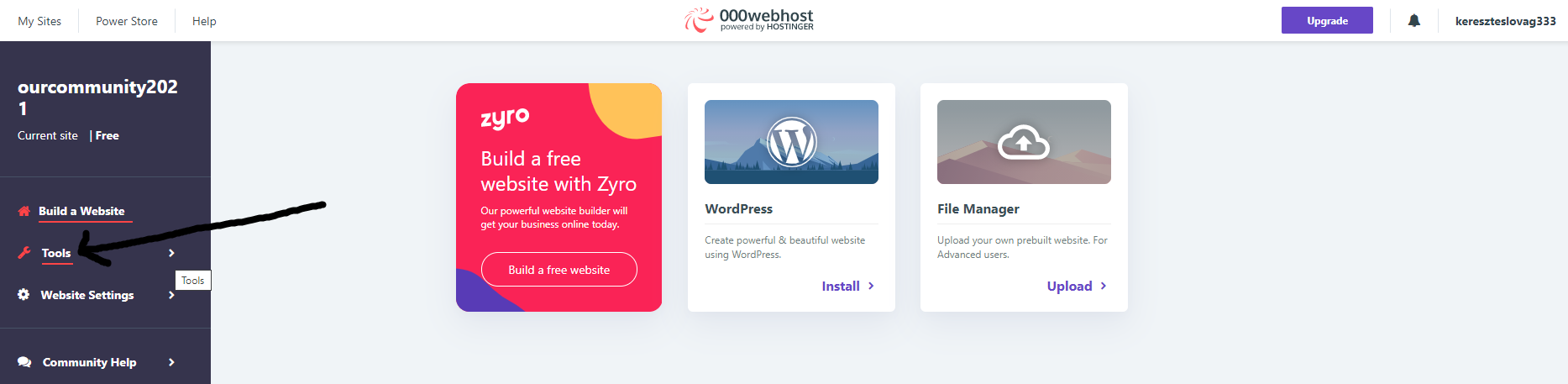
Belépve, ha a After you log in you can find ont he left side a „box”, just click on i ton the ’Manage Website’ subtitle, and then click on ’Tools’, then ’File Manager’, then ’Upload Files’, and you are already „there”, so you can check the files, folders, etc.. I put here below some pictures which can help you where to click (I marked with black arrow where to click):

First here:

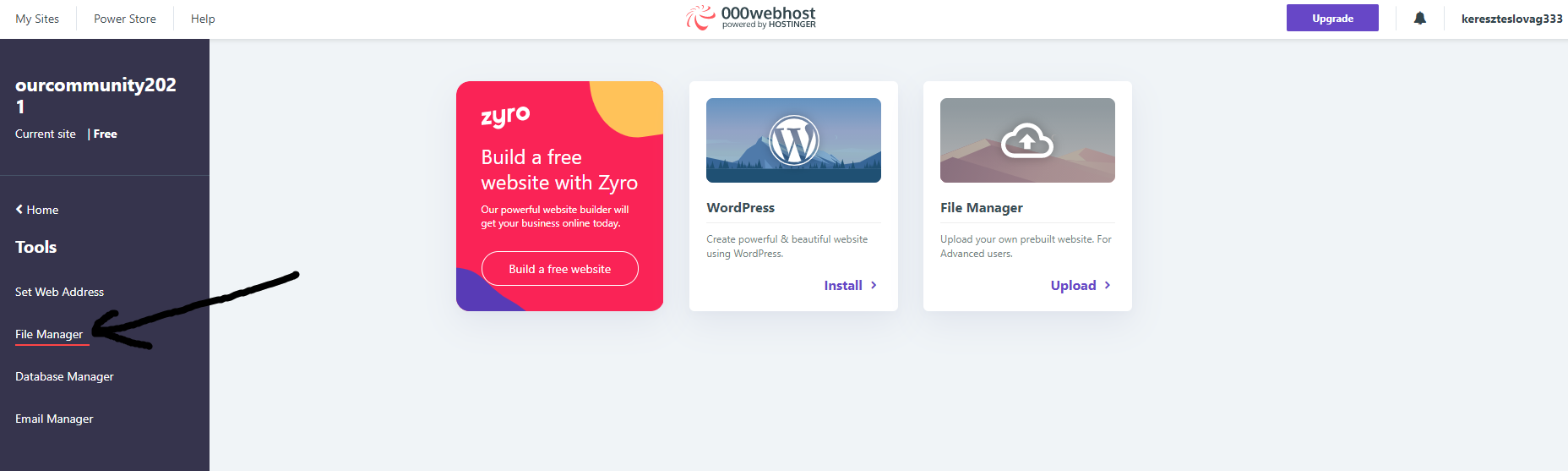
A képen szöveg látható

Automatikusan generált leírás

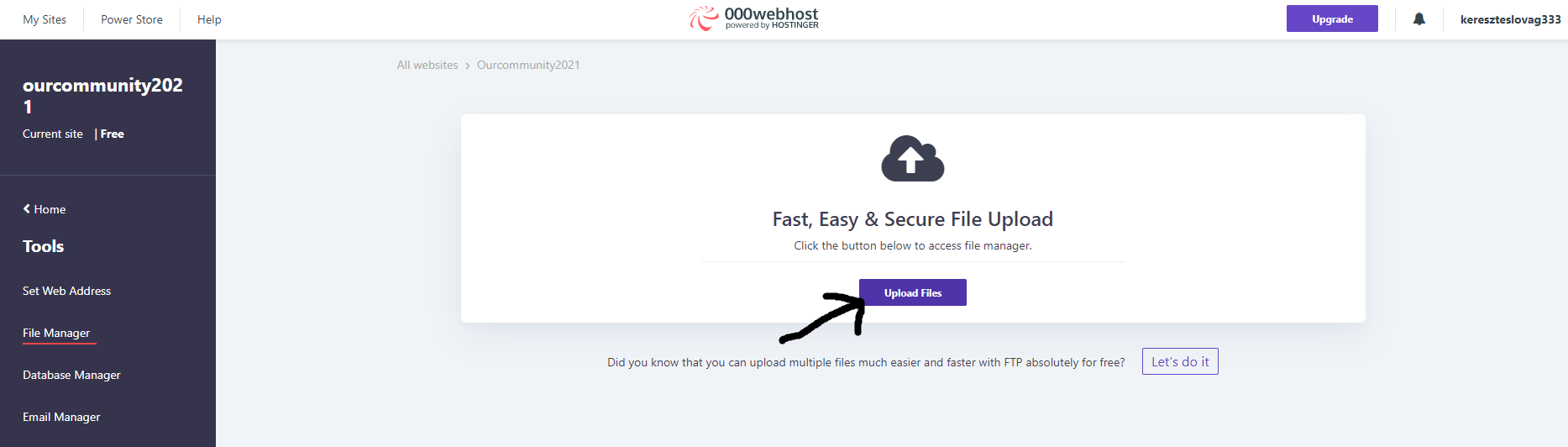
Then here:



Then here:



And here:



7. exercise

Exercise (between quotation marks):

„Use the GitHub development platform (<https://github.com/>) **(1 points)**”

My solution:

The GitHub link where you can find in different state my homework is this:  
[**https://github.com/daviddanyierdos/homework**](https://github.com/daviddanyierdos/homework) - so there are three folder here, I wrote „commits” as well here, so you can see them too. In ’homework’ folder there is just the homepage frontend (without Front Controller yet). In the ’homework-2’ folder there are the frontend for the homepage and for the ’RESOURCES’ page, but nothing else yet (no contact form, no gallery, and no Front Controller yet). And the ’homework\_with\_FC’ folder contains the complete (so with Front Controller, and with gallery, with contact form, etc.) solution of my webpage (FC means Front Controller here).

Computer and language needs

Computer needs:

* web browser (Google Chrome, Mozilla Firefox, Internet Explorer, etc.)
* internet connection

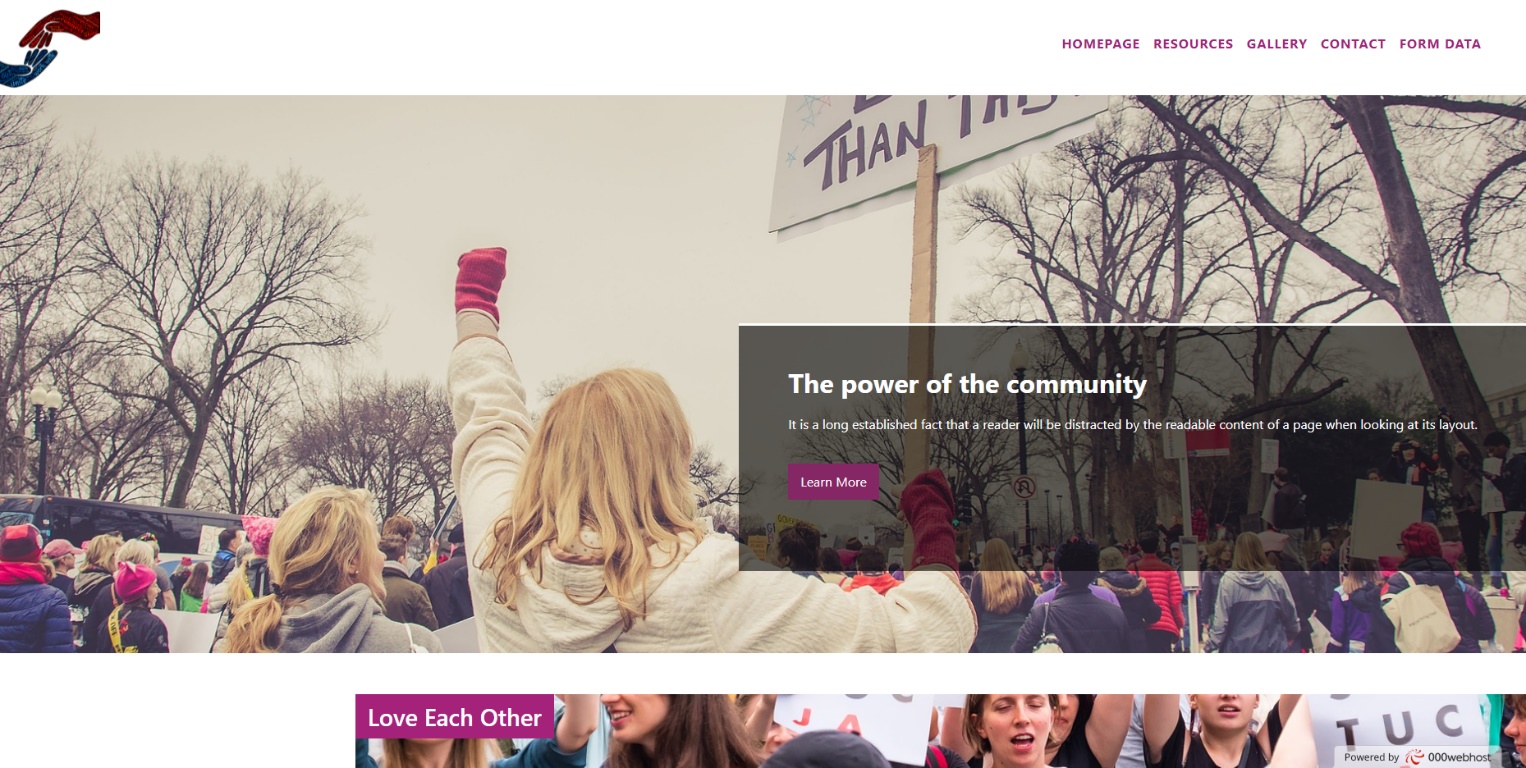
Language needs:

* HTML5
* CSS
* Javascript
* PHP

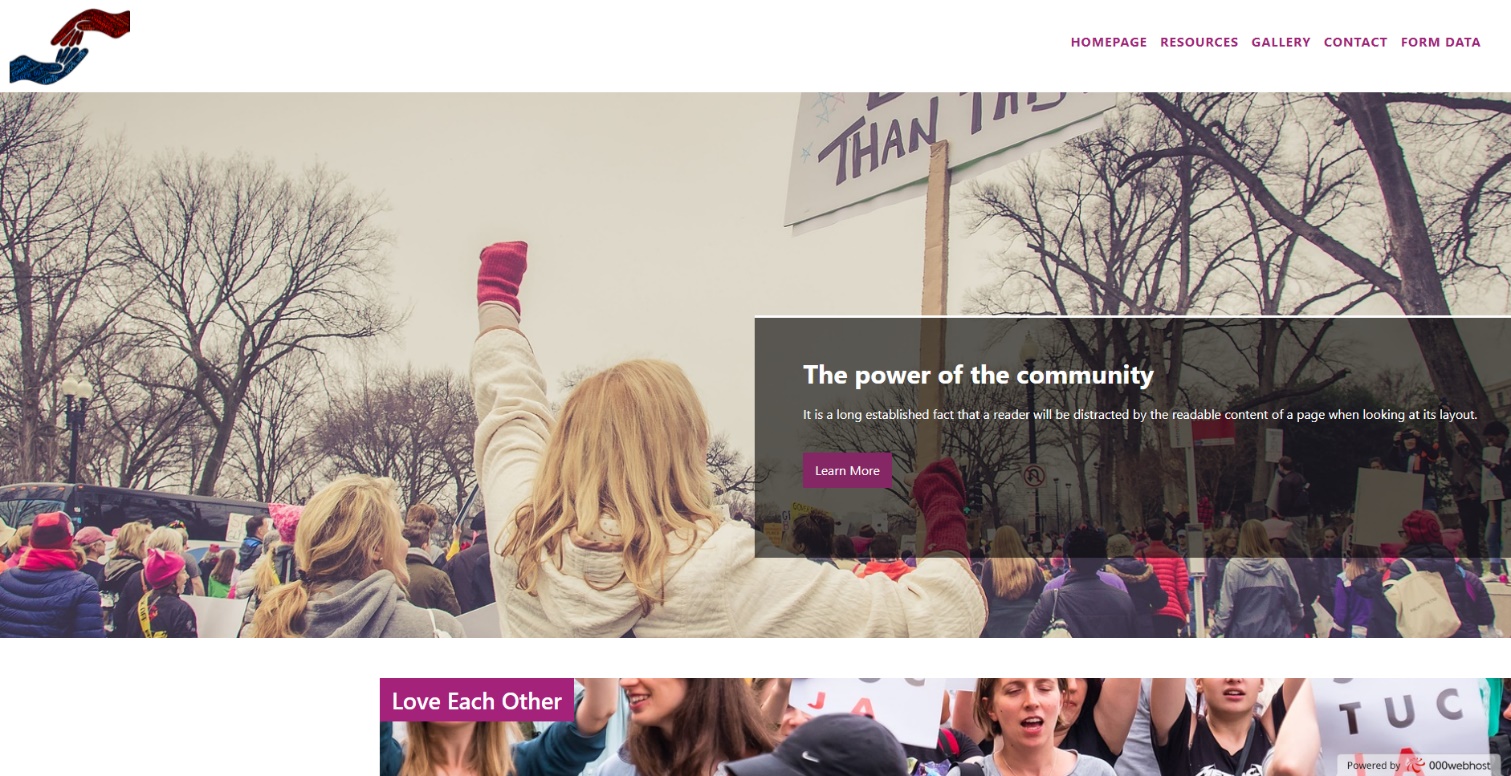
Testing, screenshots about my web application

Here are some screenshots about my web application: I did screenshot in Google Chrome, in Firefox, in Internet Explorer and I did two screenshots in mobile size as well.

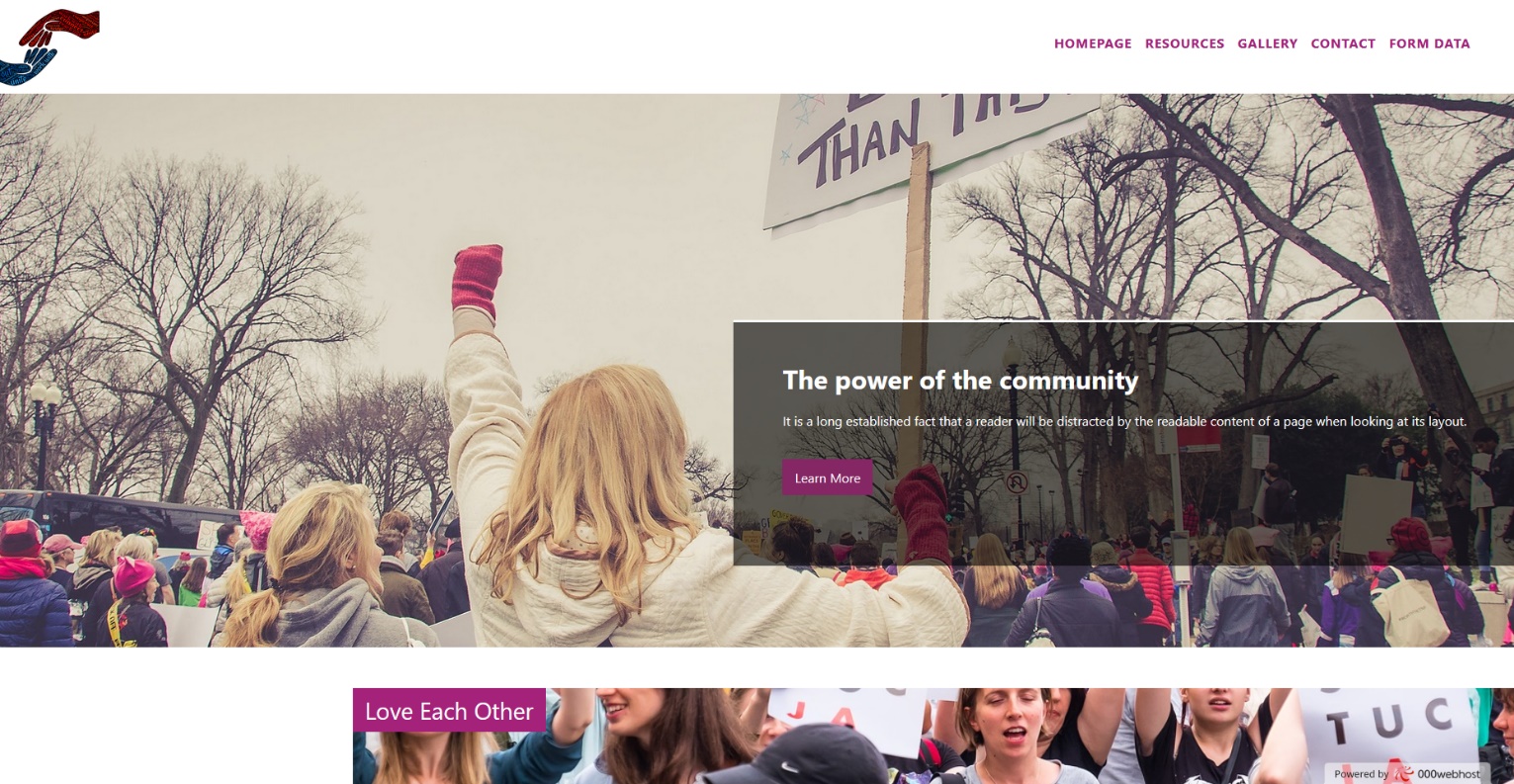
With Google Chrome:



With Mozilla Firefox:



With Internet Explorer:



With Mobile size (menu is not open):

A képen szöveg, rajztábla látható

Automatikusan generált leírás

With Mobile size (menu is open):

A képen szöveg látható

Automatikusan generált leírás

Potential development opportunities

Maybe we could create a database for the website, and for example by the ’Contact’ menu we could send a real e-mail to somebody (tot he owner). We could develop more pages for the website (about campaigns, projects, etc.), or we could create a chatbot too.

Used external materials

I used the ’Web-programming.pdf’ file for learning how to solve the exercises and I used codes from the ’Web-programming-Solutions’ folder. I used the Bootstrap framework too to make my website responsive.