

Notice:

Please be aware that particular instructions related to manipulating of vegeo.js (**section B**) are limited only to **vegeoSm.js**, which is AGPL licensed version of vegeo.js.

Full instructions for manipulating of vegeo.js are available only for purchased commercially licensed version of vegeo.js.

Folders, files, or selector names (class or ID) are given for the example purposes only. Web developers may change them respecting the same references in vegeo.js.

I also hope that more experienced developers shall not be offended by this instruction, as the instruction is also aimed to less experienced and beginners.

A) Creating PHP environment

a1. Creating main/parent php files

Create php files in the root folder, giving them names egg. index.php, about.php, etc:

```
<?php require 'views/header.php'; ?>
<div id="content">
<?php require 'content/index.php'; ?>
</div>
<?php
require 'views/footer.php';
?>
```

a2. Creating a folder that holds content of the pages

Create a new folder, name the folder "content" (you may choose a different name, providing referent changes to vegeo.js).

a3. Creating files in the content folder

Create new php files in the folder with the same names as in the root folder, egg. index.php, about.php, etc. (you may choose different names, providing referent changes to main/parent php files).

These files would carry content of the pages for example:

```
<div class="MidCont">
  // some content
</div>
```

a4. Creating header files

First create a new folder, for example with name "views".

In the folder create header php files, giving them names egg. header.php, header.about.php, etc.

Make sure to have the same references in the main/parent php files.

```
<html>
  <head>
    //content of head
  </head>
  <body>
    <div class="Wrapper">
      // other staff
      <div class="Navigation">
        // content of navigation menu
      </div>
      // here loads the div with id "content", as ordered at index.php file
```

a5. Creating a footer file

In the same folder create a footer php file, giving it a name egg. "footer.php":

```
<div class="Footer">
  // content of the footer
</div>
</div> // this is the closing div of div with class "wrapper"
// here you may load scripts as in "normal" web sites
</body>
</html>
```

And that is it! You created SPA php environment. Only thing left is to create css, js, image or any other folders and files as at any website development.

B) Modifying vegeo.js

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b1. Manipulating the main menu

For this navigation menu example (in the header.php).

Place class "current" for the each URLs header file individually.

For example for the contact.header.php class "current" should be placed in the same line with id "veg4", i.e. link to the contact page.

```
<ul class="vegNav">
  <li><a id="veg1" href="/" class="current">index</a></li>
  <li><a id="veg2" href="/program/">program</a></li>
  <li><a id="veg3" href="/gallery/">galllery</a></li>
  <li><a id="veg4" href="/contact/">contact</a></li>
</ul>
```

The call in vegeo.js would look like

```
const vegLiList = document.querySelectorAll('a[id^="veg"]');
for (let i = 0; i < vegLiList.length; i++){
  vegLiList[i].addEventListener('click', vegLi, false);
};
```

You may also configure any menu on the page (for example sliding tabs menu), respectively giving them proper method of Document interface.

C) Placing and loading of vegeo.js

I recommend to place vegeo.js at the bottom of the body.
Please take care of the order of loading of different scripts.

When using JavaScript version of vegeo.js, you may place it before eventually existing jQuery library:

```
<div class="FlexFooter">
  // some content
</div>
</div>
<script src="../../JS/vegeo.js"></script>
<script src="../../JS/jquery-3.2.1.min.js"></script>
</body>
</html>
```

When using jQuery version of vegeo.js, it must be placed after jQuery library:

```
<div class="FlexFooter">
  // some content
</div>
</div>
<script src="../../JS/jquery-3.2.1.min.js"></script>
<script src="../../JS/jquery.vegeo.min.js"></script>
</body>
</html>
```

Some web developers may choose different script loading techniques, but in the most cases above used technique works just fine.

D) Special case solution for loading of JavaScript files

In certain cases when a JavaScript file must be loaded upon page content request, I strongly recommend a following solution:

Place some JavaScript file at the bottom of the php file content (php files with contents – section **a3.**), and execute like this:

```
<script>
  (function() {
    var timel = document.createElement('script');
    timel.src = '../JS/timeline.min.js';
    timel.async = 'true';
    document.body.appendChild(timel);
    document.body.removeChild(timel);
  })();
</script>
```

By this way, asynchronous loading of JS will prevent conflicts to other JS files.