

Documentation

Report

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SAITH SEREN

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Saith Seren documentation

Everything you need to know about the website of Saith Seren

Getting help

You have some trouble using the website, we are here to help you!

- Phone us on: 01978 447006 (Saith Seren number)
 - You search for some specific information ? Go to the detailed table of content.
 - Report bug at 7seren@gmail.com
-

How the documentation is organised

This documentation provides an overview of the structure and organisation of how the website works. Organising this documentation will help you find the information you need like:

- Tutorial for how to use the website with explanation of the functionalities in it.
 - A user guide on how to navigate and interact with the website.
 - The design choice where you can find explanation of the layout, color and typography used
 - Technical details that talk about technologies that we used to build the website, the data storage and functionalities in much more detail.
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1 - Introduction

This documentation aims to document the Saith Seren website.

1.1 - Purpose of the documentation

The main purpose of this **documentation** is to explain the **functionalities**, the choices made during the development of it as well as how to interact with the Saith Seren website.

This **documentation is designed to be user-friendly** and so easy to use and understand. You will find some examples on how to use the website.

1.2 - Audience

- This documentation is intended for anyone **who uses the website Saith Seren or interested in Welsh Culture**.
- Also this documentation is intended for employees of Saith Seren pub who may have an administrator account on the site.
- Event Organisers link to Welsh Culture or who comes close.
- Website administrator that ensure to manage the website, its content, functionalities and features

The target audience of this documentation have to have a **very basic understanding of how to use a web browser** but no technical skills are desired except for administrators who must take into account the admin page.

2 - Website Overview

This overview of the website will provide detailed explanation about main features and functionalities giving you a clear understanding of what the site can offer you.

2.1 - Description of the web site functionality

[Home page feature \(index.php\):](#)

Navigation

The Saith Seren Website has a script for the navigation bar (navbar). The feature is activate by the :

`navbar.js` Javascript which provide some functionality :

- The navigation bar is hidden when the user scrolls down the page and reappears if the user scrolls up. The goal here is to not disturb the user when he scrolls and therefore clear his view so that he can see the content of the entire page without having information that he does not want.

```
const primaryNav = document.querySelector('.menu-navigation');
const navShow = document.querySelector('.navbar');

primaryNav.addEventListener('scroll', () =>{ // We check if the user scroll.

})
```

```

var prevScrollpos = window.pageYOffset;

window.onscroll = function() {
    var currentScrollPos = window.pageYOffset;

    if (prevScrollpos > currentScrollPos) { // If the user scroll down the
    current will be lower than the previous one.
        navShow.setAttribute('data-visible', false); // The navbar is
    not display.
    } else {
        navShow.setAttribute('data-visible', true); // The navbar is
    display.
    }
    prevScrollpos = currentScrollPos;
}

```

navbar.js functionality to hide the navbar

- The navbar can also adapt to different screen sizes (phone, tablet and computer screen) to provide a better experience for the user.
- When the size of the screen is not enough to let some place for each navbar element everything is hidden and a button appears that allows the user to click on it to open the menu-navigation that contains the navbar element.

```

navToggle.addEventListener('click', () => { // We listen if there is a
click on the button.
    const visibility = primaryNav.getAttribute('data-visible'); // We
listen the attribute of the menu-navigation.

    if(visibility === "false"){ // The responsive navbar can appear
        primaryNav.setAttribute('data-visible', true);
        navToggle.setAttribute('aria-expanded', true);
    }
    else{
        primaryNav.setAttribute('data-visible', false);
        navToggle.setAttribute('aria-expanded', false);
    }
});

```

navbar.js functionality to appear and make disappear the responsive navbar

Image Carousel

The Saith Seren Website has an image carousel that allows users to view a collection of images from the Saith Seren pub and activity with that image comes a title and a description of this one to explain the content of this image. This carousel is implemented thanks to a javascript and a PHP script (picture.js and picture_element.php).

The carousel script (Javascript) uses 3 parameters: the image path, a title, and a description. Every image, title, and description are stored in a table in a database that communicates with the javascript file. Thanks to that the javascript function called "addImage" is going to create an img element and add it to the carousel div. The function also creates a "h1" and a "p" element which provide the title and a description respectively for the image and put it in the carousel div too.

As for the php script, this will communicate with the "image" database in order to retrieve the images, descriptions and title and then call the "addImage" function in order to put the image in the carousel div.

```
<script src="js/picture.js"></script>
<script>

// We make sure that the addEventCalendar that is contain into the
calendar.js is loaded.

window.onload = function(){
    <?php
        // Database information.

        $host = 'localhost';
        $dbName = 'saith';
        $username = 'root';
        $password = '';

        $db = mysqli_connect($host, $username, "", $dbName);

        // Select every image, title, description from the database

        $query = "SELECT title, description, image FROM images";
        $result = mysqli_query($db, $query);

        while ($row = mysqli_fetch_array($result)) {
            $title = $row['title'];
            $description = $row['description'];
            $imagePath = $row['image'];

            addImage($imagePath, $title, $description);
        }
    </?php
}

function addImage(imagePath, title, description) {
    var imgElement = document.createElement('img');
    imgElement.src = imagePath;

    var h1Element = document.createElement('h1');
    h1Element.textContent = title;

    var pElement = document.createElement('p');
    pElement.textContent = description;

    var container = document.querySelector('.carousel');

    container.appendChild(imgElement);
    container.appendChild(h1Element);
    container.appendChild(pElement);
}
```

```

while ($row = mysqli_fetch_assoc($result)) {
    $title = $row['title'];
    $description = $row['description'];
    $image = $row['image'];

    echo "addImage('$image', '$description', '$title');";
}
?>
}

</script>

```

picture_element.php functionality to select image from the database

This allows the website to dynamically display a collection of images from a database instead of putting the picture manually.

Newsletter Subscription

To continue the Saith Seren Website has a newsletter subscription system that allows visitors to sign up for updates, news and activity from the Saith Seren pub. This functionality works thanks to a PHP script (index.php) and some HTML for the form.

The goal of the form is to send to the PHP script information about the email of the user that want the register to the newsletter :

```

<input type="email" id="email" name="email" placeholder="Your
email"><br>

<input type="submit" value="Send">

```

HTMLform (index.php) to submit an email

Then when the user submit his email the PHP script that is on the server-side is going to validate this one. We check first if the form is not empty :

```

if(empty(trim($_POST['email']))){

```

```
        $email_err = "Please enter an email.";  
    }  
}
```

PHPscript to check if the mail is not empty

and also if the email is not already into the table “newsletter”

```
if (mysqli_num_rows($result) == 1) {  
    $email_err = "You are already subscribe."  
} else {  
    // If everything is ok.  
    // We insert into the database the information of the user  
(email)  
}
```

PHP to check if the user is already subscribe

If the email passes through every verification shown above there is a confirmation message that says that the user is registered in the newsletter and will receive the news of Saith Seren next time.

Visitor Counter

The website includes a feature that counts the number of visitors on the website. This feature is implemented thanks to a PHP script called “visit_counter.php”. This script runs every time a user comes to the website (index.php) and inserts into the database the current timestamp and a unique id (primary key).

```
$query = "INSERT INTO visits (date) VALUES (CURRENT_TIMESTAMP)";  
$result = mysqli_query($db, $query);
```

PHP to insert the current timestamp when a user join the index.php page

The number of visitors can be then calculated if we count every row in the table “visits”. This statistic has been displayed in the admin page where you can find the documentation here. Thanks to that the administrator can have a better view to see if his site works well in terms of visibility. This will allow him, for example, to know if changes need to be made.

Home page in general

The website includes an interactive navbar that the user can use to move from section to section or from page to page, for example :

- A catchphrase that introduces Welsh culture as well as a subsection to support Saith Seren by making a donation.
- The user can access the newsletter section which simply allows him to subscribe to the newsletter as explained above.
- The user can also access a collection of images (image carousel) explained above.
- To finish, the website includes a contact section that allows users to see some information on how to find the Saith Seren pub and also on how to contact them. There is also an interactive google map that shows the location of the pub.

[Calendar feature \(calendar.php\):](#)

Event Calendar

The website includes a feature that allows users to view upcoming events that are organized in the Saith Seren pub. This feature is implemented thanks to a combination of Javascript and PHP.

The Javascript script (calendar.js) is responsible for dynamically adding every event to the HTML page (calendar.php). The script permits to display four information : The date, title, description and an hour of the event with the function :

```
function addEventCalendar(date, title, description, hour);
```

This function is going to create a new division into the HTML code to display the event into the calendar section.

The PHP script (calendar_event.php) retrieves all information from the table “calendar_events” which has been filled in beforehand by the administrator using a function that we explained in the admin page section.

```
$query = "SELECT event_date, event_title, event_description, event_hour  
FROM calendar_events";  
$result = mysqli_query($db, $query);  
  
while ($row = mysqli_fetch_assoc($result)) {  
    $date = $row['event_date'];  
    $title = $row['event_title'];  
    $description = $row['event_description'];  
    $hour = $row['event_hour'];  
  
    echo "addEventCalendar('$date', '$title', '$description',  
'$hour');";  
}
```

PHP script to retrieve information of event that are stocked into the table “calendar_events”

Here we retrieve every information that needs the addEventCalendar function to add each event that is in the table “calendar_events” into the calendar.php page.

This feature allows the website to dynamically display a list of events from a database instead of putting everything manually like in the old website of Saith Seren.

Rent room feature (calendar.php):

Rent room

The website includes a feature that allows users to view some information about the rental option that the pub offers. This feature is implemented with HTML and CSS.

This section is divided in two subsections: a section for the rental of a business room and the other for a charity room. Each section gives some information about the price of the room and also some information in order to contact the pub and confirm the rental with the company.

Login page feature (login.php):

Login page

The website includes a feature that allows administrators to login (login.php) to access the admin page. The page is implemented in PHP and does a verification when the credentials are sent thanks to a form that asks for an email and password.

Also before the check of the credentials some several checks are made such as the fact that the forms are empty and also a security step to avoid SQL injection

```
$email = mysqli_real_escape_string($db, $_POST['email']);
$password = mysqli_real_escape_string($db, $_POST['password']);
```

.PHP script to avoid special character into the SQL query (avoid SQL Injection)

When the login form is submitted the PHP script is going to check if the credentials are correct by selecting the email and the password and by comparing these two information in the database in order to know if this one exists.

```
$query = "SELECT * FROM login WHERE email = '$email' AND
password = '$password'";
$result = mysqli_query($db, $query);
if (mysqli_num_rows($result) == 1) {
    // Login successful
    $_SESSION['authenticated'] = true;
    header("Location: admin.php");
    exit;
} else {
    // Login have failed.
    $login_err = "Invalid email or password";
}
```

PHP script to check if the account exist into the table login

If the SELECT query returns a row this means that the email and the password are in the database and that it is indeed an administrator who is trying to authenticate. The administrator is then sent to the admin.php page.

The goal of that feature is to manage in a secure way the access of the admin page because we don't want that user to have access to the admin page.

Admin page

Statistic page (statistic.php):

The website has a feature that allows administrators on the admin page to see statistics about the number of visitors and the number of people that are registered to the newsletter. This feature is implemented in PHP.



Design of the statistic.php page

The first PHP script (visitor_counter_display.php) retrieves the number of visitors that came to the website (already counted thanks to the script visit_counter that we explain above). The number of visitors are counted by month like so :

```
$query = "SELECT MONTHNAME(date) as month, COUNT(*) as visits FROM visits GROUP BY MONTH(date)";
```

The result of this is then stored in a variable to be displayed in the admin page in the bar chart that is not finished yet.

To continue we display the **website views** which are the total number of visits to the website and not per month.

```
$db = mysqli_connect($host, $username, "", $dbName);
$query = "SELECT COUNT(date) as numberVisits FROM visits";

$result = mysqli_query($db, $query);

if ($row = mysqli_fetch_assoc($result)){

    // Success of the query.

    $counterVisit = "<p> $row[numberVisits] </p>";
}
```

We then display that on the subsection “Website views”.

To finish we also display the number of people that are registered to the newsletter by counting the number of records in the “newsletter” table.

```
$query = "SELECT COUNT(email) as numberEmail FROM newsletter";
```

This feature is very important for the administrator because it shows the performance of the website and to sort of see if the site works and especially if it works well in general.

[Newsletter List \(newsletter_list.php\)](#):

The admin page includes another feature that allows administrators to view a list of users that are registered into the newsletter. This feature is implemented in PHP.

Email	Manage
waelsgb@gmail.com #1	Delete
remil124@hotmail.fr #21	Delete

Export Emails

List of user that are register to the newsletter

The goal here is to select every email from the newsletter table to retrieve every user that is registered in it.

```
$query = "SELECT id, email FROM newsletter";
$result = mysqli_query($db, $query);
```

Then we select every row of the newsletter table “email” and “id” and we display that information in a HTML form. Each form contains a unique id, email and also a button delete that is linked to the id of the email user.

The script then checks if a button delete is clicked by the user. If a button delete is clicked we extract only the id of that one and we run a DELETE query to delete the row that contains that id.

```
foreach($_POST as $key => $value) {  
    if (strpos($key, 'delete') !== false) {  
  
        // We extract the id without the "delete".  
  
        $id = substr($key, 6);  
        $query = "DELETE FROM newsletter WHERE id=$id";  
        mysqli_query($db, $query);  
        header("Location: " . $_SERVER['REQUEST_URI']);  
    }  
}
```

You also have the option of being able to export all the emails of people who have subscribed to the newsletter in order to be able to send an email more easily afterwards to registered users (export_emails.php)

[Calendar Event Add \(admin.php\):](#)

The admin page includes a feature that allows administrators to add events into the calendar web page (calendar.php). This feature is implemented in PHP.

Add Event

Date:

Title:

Description:

Hour:

Form to add an event in the calendar.php page

First there is a form that asks the administrator, a date, a title, a description and an hour. This form is then sent to a PHP script. This script checks if the form was submitted, and verifies also if the input (date, title, description and hours) are filled and therefore is not empty.

All information is after that INSERT into the table calendar_events which stores events that will be retrieved by another PHP script (calendar_event.php).

```
$query = "INSERT INTO calendar_events (event_date, event_title, event_description, event_hour) VALUES ('$eventDate', '$eventTitle', '$eventDescription', '$eventHour')";
```

This feature is very important for the administrator because thanks to this one the administrator can put events automatically and especially dynamically.

Calendar Event Manager (admincalendar.php):

The admin page includes other features that allows the administrator to view, edit and delete every event of the calendar page (calendar.php).

t

Bonjouuuuuuuuuur

Title:

Date:

Description:

Hour:

Form to edit or delete an event

First we retrieve all the events in the calendar_events table. The events are then displayed in a HTML form with two buttons: a delete and an edit button.

```
while($row = mysqli_fetch_assoc($result)){
    $id = $row['id'];
    $title = $row['event_title'];
```

```

$formEvent .= "<p> $title </p>";

// Give each delete button a unique name.
$formEvent .= "<form method='post' action=''>";
$formEvent .= "<input type='submit' name='delete$id'
value='Delete'>";

$formEvent .= "<input type='hidden' name='id' value='$id'>";
$formEvent .= "<input type='submit' name='edit$id'
value='Edit'>";

$formEvent .= "</form>";
}

```

If for example the “edit” button is clicked a new form is displayed and allows the administrator to edit the event title, event date, event description, and event hour. If this new form is confirmed the event in the table will be updated and this update will be displayed in the calendar.php page.

[Registration of Administrators \(register.php\):](#)

The admin page includes another feature to register new administrators for the admin page. This feature uses PHP and HTML for the form.

The form contains multiple input: email, password, and confirm password. We administrator is required to enter a password with at least 8 characters and a valid email address also the password has to be to match the two password inputs. Then when the form is submitted the PHP script takes over.

The script checks if the form has been submitted, if the mail, password input are not empty. We also check if the password is at least 8 characters. The script does other verification.

```

if(empty(trim($_POST['email']))){
    $email_err = "Please enter an email.";
}

if(empty(trim($_POST['password'])) ||
empty(trim($_POST['password_confirm']))){
    $password_err = "Please enter a password.";
}
elseif(strlen(trim($_POST['password'])) < 8){
    $password_err = "Password must have atleast 8 characters.";
}
else{

```

```
    $password = trim($_POST['password']);
}

if(empty($password_err) && ($password != trim($_POST['password_confirm']))){
    $password_not_err = "Password didn't match, please retry.";
}
```

Then after the verification the script SELECT is going to check if there is already an administrator with the same email.

```
$query = "SELECT id FROM login WHERE email = '$email'";
$result = mysqli_query($db, $query);

if (mysqli_num_rows($result) >= 1) {
    $already_user_err = "This email is already taken.";
}
```

If the email is not into the table login the credential inserts the email and the password into the login table.

```
$query = "INSERT INTO login (email, password) VALUES ('$email',
'$password');
```

[List of Administrators \(listuser.php\):](#)

The admin page has another feature to list all administrators accounts and delete it if the admin wants. This feature uses PHP and HTML.

Manage User

waeelsgb@gmail.com

Delete

waelsgb@gmail.com

Delete

elsingaby@et.esiea.fr

Delete

reemilrl124@gmail.com

Delete

Manage Administrators Accounts

The feature communicates with the table login to retrieve all administrator accounts and id from it. Then the script creates an HTML form and displays the email of each administrator account and also a delete button to delete it.

```
while($row = mysqli_fetch_assoc($result)){
    $id = $row['id'];
    $email = $row['email'];

    $formUser .= "<form method='post' action='>";
    $formUser .= "<p> $email </p>";

    $formUser .= "<input type='submit' name='delete$id'
value='Delete'>";

    $formUser .= "</form>";
}
```

[Uploading Images \(image.php\):](#)

This script allows the administrator to upload an image into a specific folder. This feature uses an HTML form and PHP script.

Select an image to upload into the image folder (jpg, png, gif):

Aucun fichier choisi

Form to upload an image

The primary purpose of this feature is to upload images to a specific file here:
/ressources/images so that the administrator can find them to put them in the image
carousel.

With the form the administrator can choose a file to upload an image and when this one is
uploaded the PHP script (image.php) is executed. The goal of that script is to do a
verification on the file to check if it is an image:

```
$file_type = exif_imagetype($file['tmp_name']);

if ($file_type === false) {
    $message_err = "The file that you provide is not an image,
please retry...";
    exit();
}
```

If the file is an image the script will generate a unique file name for the image and save it to
the ressources/images/ directory.

[Adding an image to the Image carousel \(addimage.php\):](#)

This admin feature is used to add an image to the image carousel in the index.php page.
This feature uses a combination of HTML for the form and the PHP script.

Add a new image to the Carousel

Title:

Description:

Image:

Aucun fichier choisi

Add Image

Form to add an image to the image carousel

After the submission of the form we check if the image is not empty, the title and the description. The image that have been selected by the administrator is contain in the /ressources/images that he previously put before using the "Uploading Images (image.php)" function but we still need to check if the type of the file is an image (jpg, jpeg, png, etc.).

If it is an image and there is no error for the description and the title (not empty) we INSERT into the table images the title, description and the path of the image.

```
$titlePicture = mysqli_real_escape_string($db,
$_POST['titlePicture']);
$descPicture = mysqli_real_escape_string($db,
$_POST['descPicture']);
$file_path = 'ressources/images/'. $_POST['name'];

$query = "INSERT INTO images (title, description, image)
VALUES ('$titlePicture', '$descPicture', '$file_path')";
$result = mysqli_query($db, $query);
```

After this information has been inserted into the image table, it is retrieved by another php script called "picture_element.php" which will make sure to find this information by selecting the following information:

```
$query = "SELECT title, description, image FROM images";
```

title, description and the path of the image. This information is sent to the AddImage script that we explained above.

Multi language web site

We used java script to make the language change on our website. We made one file per page, this is more readable and easier when elements will be added or removed on the page.

Each file is structured in the same way, there are 3 different parts.

Each element that is to be translated must necessarily have a "class" name, so that it can be found in the page. Our first step is to store in a variable; which is characterised by "El" at the end of the name; the element characterised by the selected class. For example the element '.home' will be found in the page and then stored in the "homeEl" variable.

```
/*Navbar */
const homeEl = document.querySelector('.home');//element
const calendarEl = document.querySelector('.calendar');
const pictureEl = document.querySelector('.picture');
const centreEl = document.querySelector('.centre');
```

The second part will make the link between what we have recovered in the first part and how we want it to be modified.

```
homeEl.textContent = data[attr].home;
calendarEl.textContent = data[attr].calendar;
pictureEl.textContent = data[attr].picture;
contactEl.textContent = data[attr].contact;
```

The "attr" variable is there to know if we want our text in English or Welsh. It is determined when we click on the language change buttons.

```
const attr = english.getAttribute('language');
```

The last part will make the link between the class name of the element we want to translate and what it should be translated.

On the left we have the name of the class of the element and on the right its translation

```
"english": {  
    "home" : "Home",  
    "calendar": "Calendar",  
    "picture": "Picture",  
    "centre": "The Centre",  
    "contact": "Contact",  
}  
  
"welsh": {  
    "home" : "Cartref",  
    "calendar": "Calendr",  
    "picture": "Llun",  
    "centre": "Y Ganolfan",  
    "contact": "Cysylltwch",  
}
```

We had no choice but to use this method, as Welsh is not an important language in the world, so it is less usable. We could have used modules that do machine translation, but Welsh was not compatible.

It is a laborious and time-consuming method to set up.

2.2 - Breakdown of the website sections

- Navbar Section: Allow users to have an interactive & Responsive navbar. This navbar contains all navigation buttons to navigate to different pages or sections of the website.
- Newsletter Section: This section allows users to sign up for the newsletter of Saith Seren in order to be aware of events or news related to Saith Seren.
- Carousel Image Section: This section allows users to see a collection of images with a title and description.
- Calendar Section: This section allows users to view upcoming events that are organised by Saith Seren.
- Login Section: This section allows administrators to login and have access to the admin page.
- Contact Section: This section includes some information about Saith Seren on how to contact them or where the pub is.
- Rent Section: This section allows users to see how to rent a room in the Saith Seren pub.

- Statistic Section: This section allows the administrator to see some statistics about the website such as the number of visits or the number of people that are registered in the newsletter.
 - Newsletter List Section: This section allows the administrator to see all the members of the newsletter and manage it.
 - Calendar Event Add Section: This section allows the administrator to add new events into the Calendar section.
 - Calendar Event List Section: This section allows the administrator to delete or edit any events that are in the Calendar section.
 - Administrator Register Section: This section allows the administrator to register another administrator account.
 - Administrator List Section: This section allows the administrator to manage an administrator account where he can delete the account.
 - Image Add Section : This section allows the administrator to add an image into a specific directory.
 - Image Carousel Add : This section allows the administrator to add an image into the carousel collection image that comes from the “Carousel Image Section”.
-

3 - Technical Details

3.1 - Technologies explanation

The Saith Seren website has been built using several technologies that allows it to take this beautiful modernised form that it has today.

First, the front-end uses a range of technology such as HTML, CSS and Javascript which allows us to make the layout as well as the design of the website while making it dynamic and interactive for the user. To continue, we wanted, thanks to CSS, to make the site responsive, that is to say that it adapts to the phone, tablet and computer screens of course.

Now to better understand the interactions between the front-end and back end of the Saith Seren website (user side and not admin side), we have created a diagram that illustrates every interaction between features with PHP scripts, web pages, JavaScript, and the database. This diagram allows one to have a better point of view compared to the functionalities which interact with the client and the server.

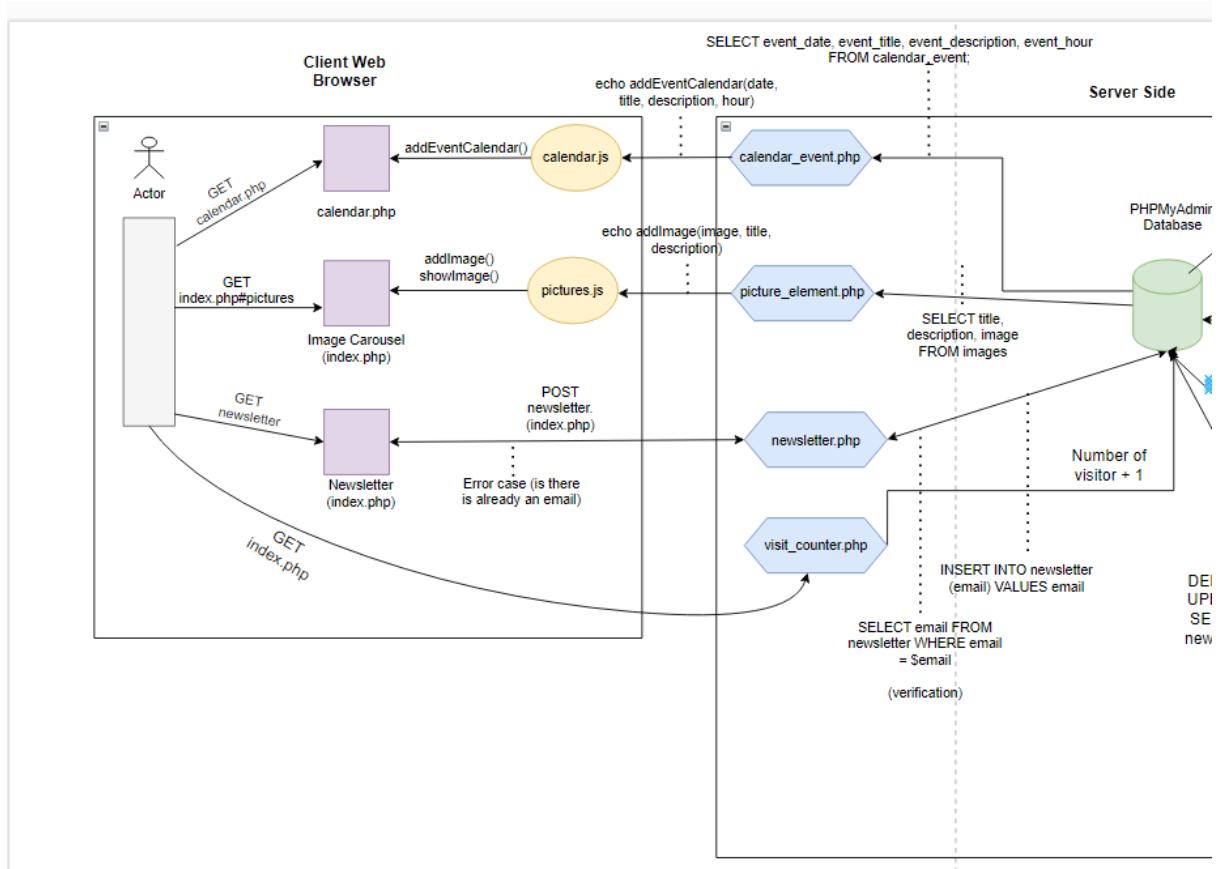


Diagram user side interaction

To continue we have made a diagram also linking the components of the admin page.

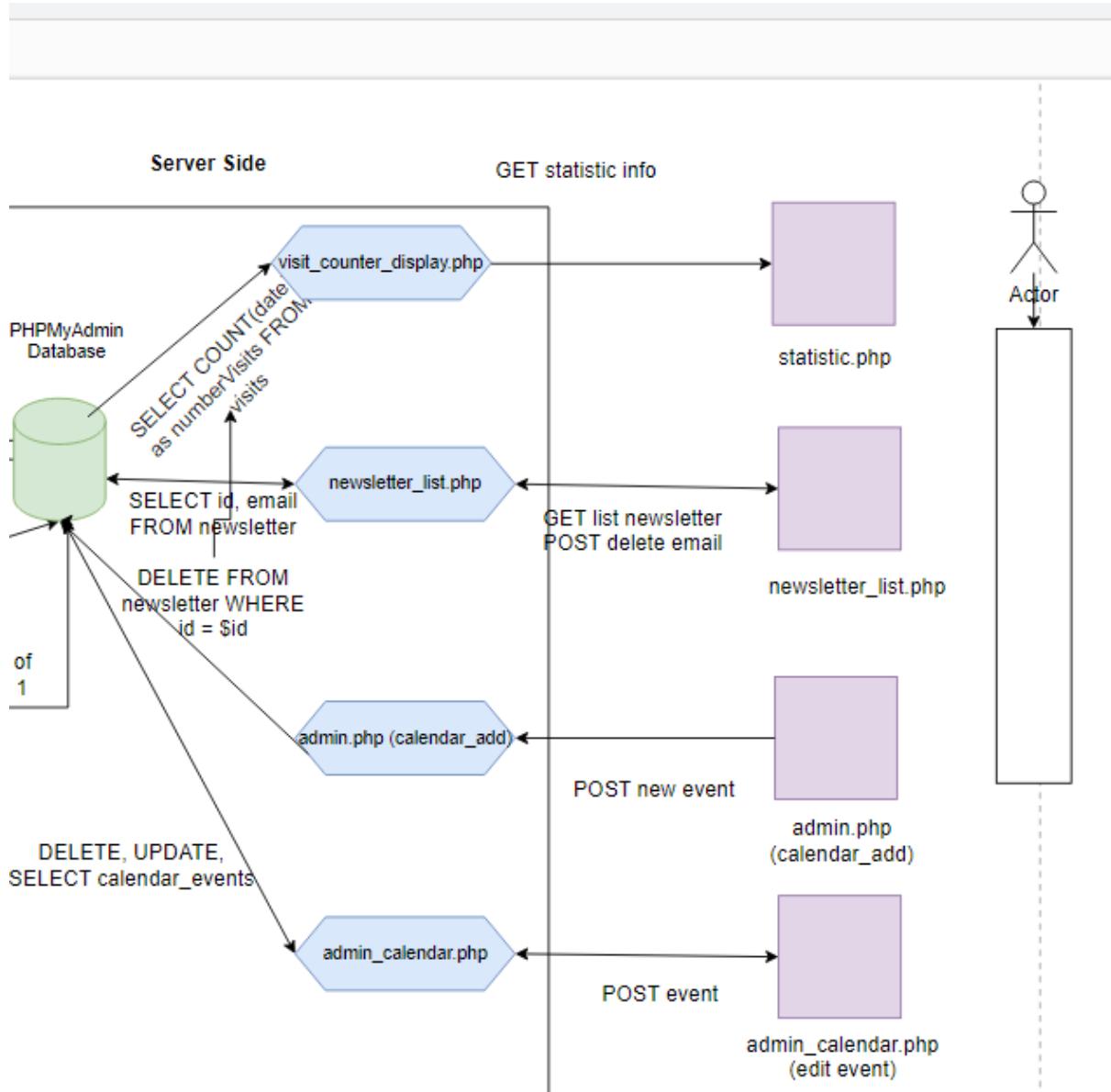
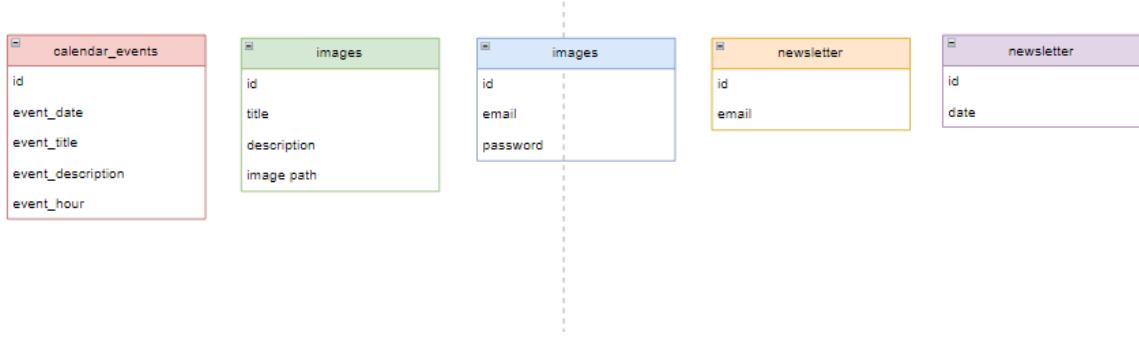


Diagram admin side interaction

As for the back-end (server) side, several technologies have been used such as PHP which is a server-side language. The goal of PHP was to retrieve information from forms and store it in a database.

As for the storage of the website and its information such as the number of visitors, the events in the calendar it is stored using a MySQL database with the phpMyAdmin user. This type of database was used because it was more web-oriented and could support a large workload, moreover it is easily possible to handle even for beginners.



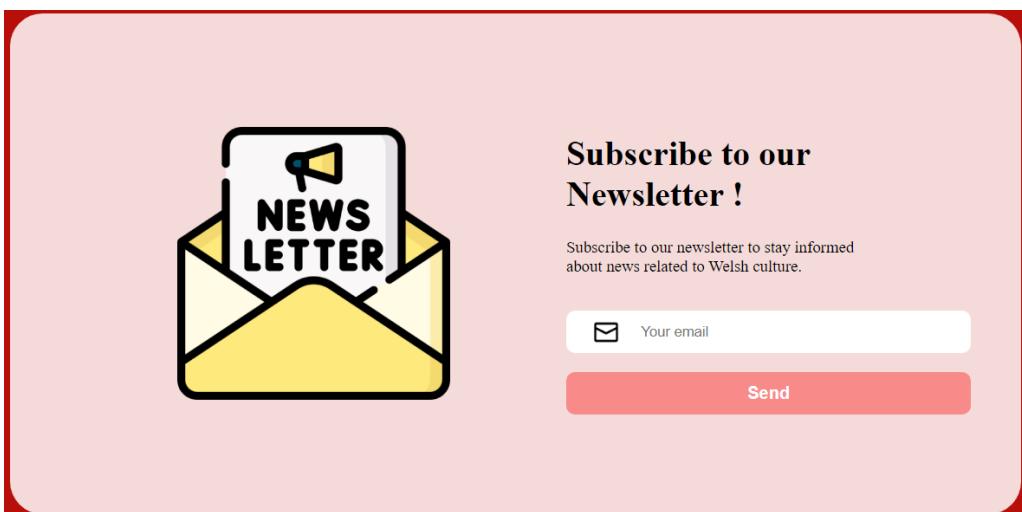
All table of the Saith database

Here are the tables of the saith database whose PHP functionality interacts with in order to retrieve, store or update data in it.

4 - User Guide

4.1 - Instruction of navigating and interacting with the Saith Seren Website

[Newsletter Interaction \(index.php\):](#)

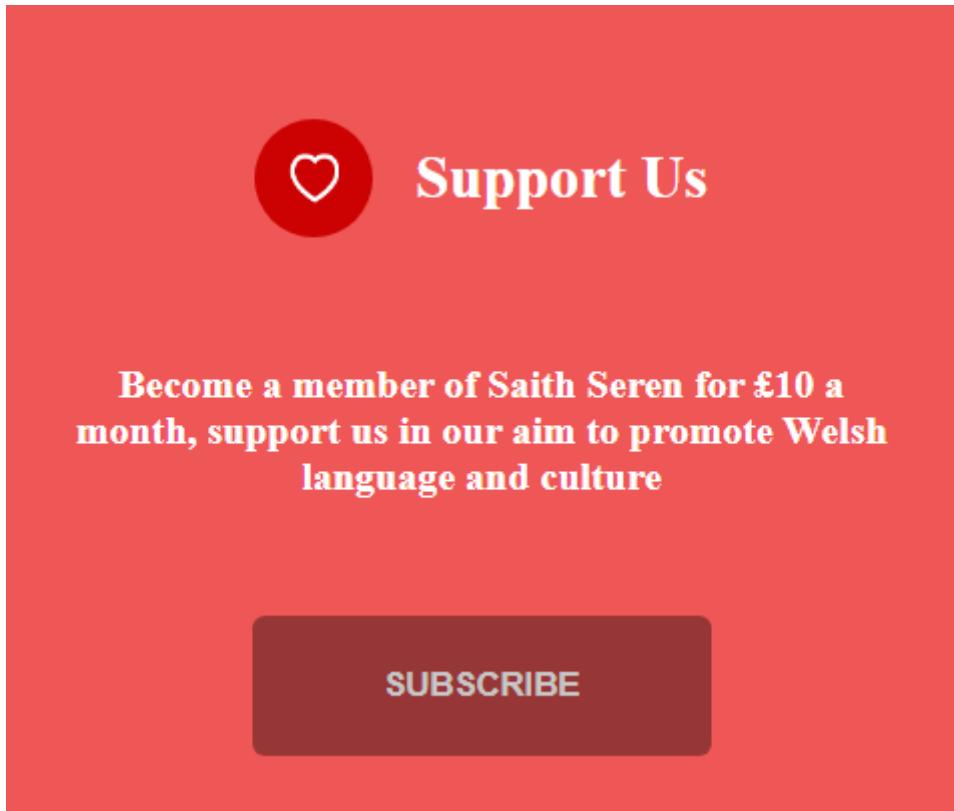


Newsletter Form

- You will find a newsletter in the home page of the website (index.php). Subscribing to this newsletter will allow you to stay up to date on news surrounding Saith Seren and his activities.

- You just have to enter an email address into the provided field “Your email” and click on “Send” to confirm.
- If you are already subscribed to that email you will see an error “You are already subscribed.” and if not “You are now subscribed to the newsletter.”
- If the user wants to unsubscribe to the newsletter you can ask an administrator to remove you from the list of people that are registered to the newsletter.

[Subscription Interaction \(index.php\):](#)



Subscribe section

- On the home page (index.php) you will find a button “Subscribe” to support Saith Seren for £10 a month.
- You then have to click on the subscribe button and this will send you to a site to donate. Don't forget to put your first and last name to let Saith Seren know that you have made a donation.

Switch Language Interaction (index.php, calendar.php, thecentre.php):



Switch Language Navbar

- You will find at the top right of the page (navbar) a button to change the language from Welsh to English and vice versa.
- You just hover your mouse over "Welsh" or "English" and a drop-down menu will appear. This drop-down menu offers you two languages, Welsh or English, choose the one you want.

Image Carousel Interaction (index.php):

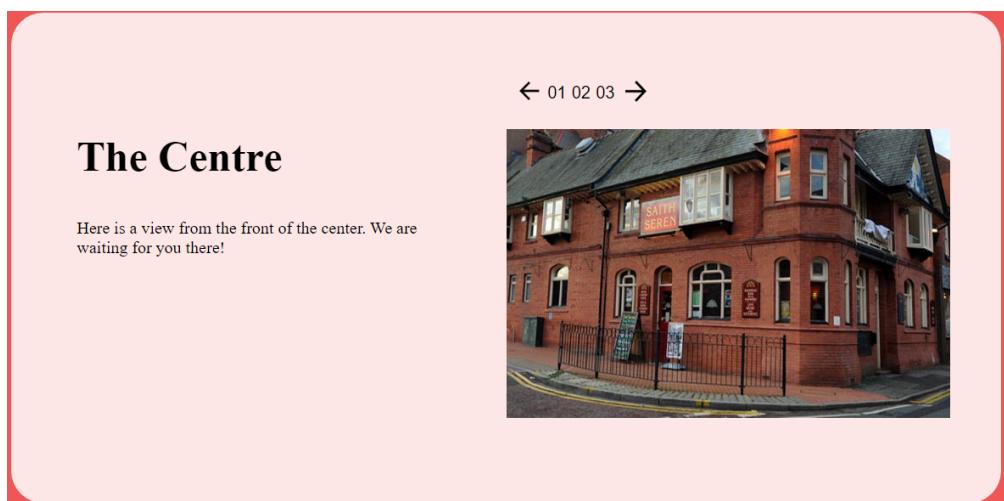
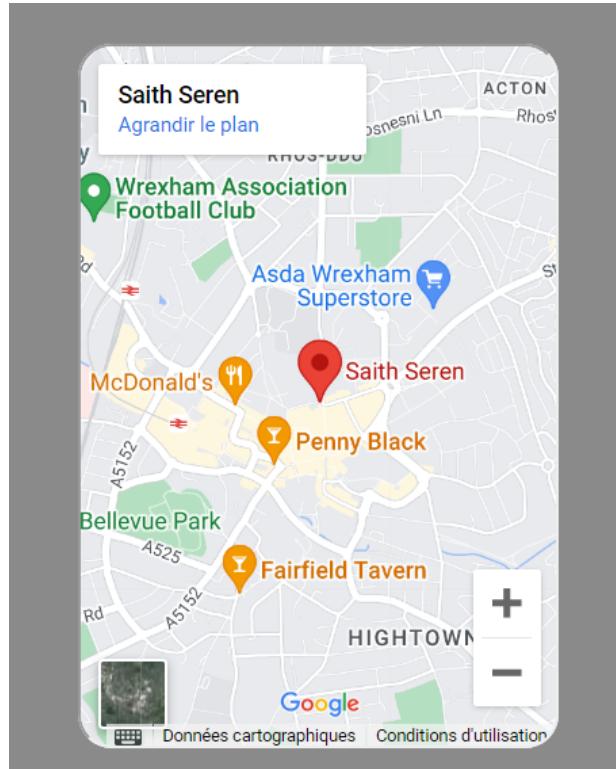


Image Carousel

- You find at the bottom of the index page an image carousel (index.php) This presents a collection of images with a unique title and description to explain the image to your right.

- In order to go from one image to another you just have to click either on the right arrow or on the left arrow.

Google Map Interaction (index.php):



Google Map Saith Seren Location

- You will find the section “Contact” (index.php) an interactive Google Map that show the location of the Saith Seren pub.
- You can very well interact with this map in order to know where exactly Saith Seren is even if you already have the information on the left of the map containing the telephone number, email, opening time as well as the address of Saith Seren.

[Calendar Interaction \(calendar.php\):](#)

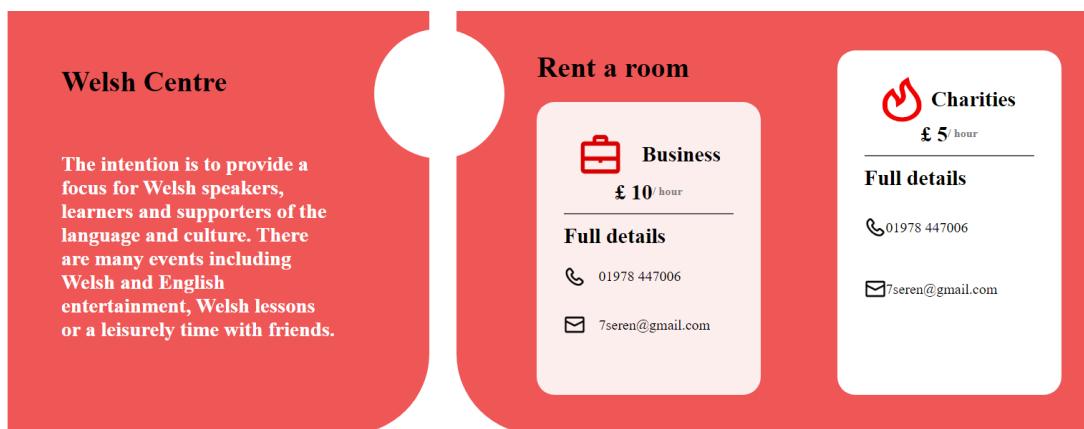
EVENTS



Event Calendar

- You will find the calendar (calendar.php) by clicking on "Calendar" found in the navigation menu at the very top of the page (navbar).
- Once you are there you will find every event that is organised. Every event has a description, a title, a date and an hour.
- Any events related to Saith Seren or Welsh culture will be put inside this calendar.

[Rental Services \(thecentre.php\):](#)



- You will find on the website using the navigation menu by clicking on "The Centre" a page showing the offers of room rentals in the Saith Seren Pub.
- On this page you will have two sections that offer two of the same services. A business room or a charity room.

- In order to rent a room you will need to contact Saith Seren with the information below: Saith Seren's phone number or email.

5 - Admin Guide

5.1 - Instruction of navigating and interacting with the Saith Seren Admin Page

The Saith Seren website contains an Admin Page which allows the administrator to dynamically manage the website without having to change the code. It can therefore interact with the right one with simple functionalities.

Login Page Interaction (login.php):

- In order to secure the admin page you must first ensure that you can connect to the site using the login page (login.php).



Email

Your email

Password

Your password

Can't login?

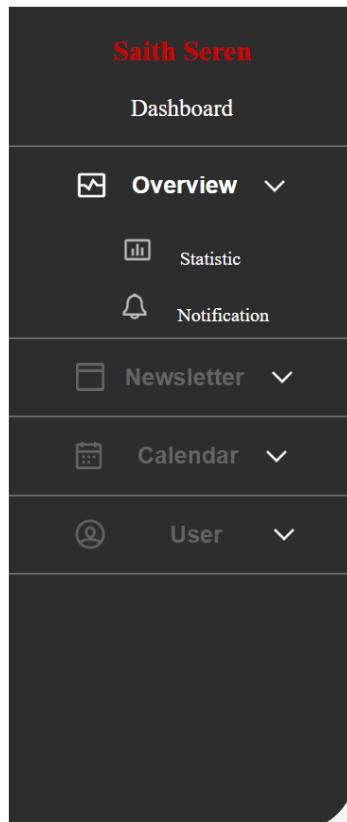
Login

Login Page

- In order to login you will need to enter your email address and a valid password and click the "Login" button.

- If the information entered is correct, you will be directed to the admin page. If the information is incorrect, an error message will appear.

Admin Page Interaction Dashboard:



Dashboard Saith Seren

- As an administrator you have access to a dashboard which lists each functionality of the admin page such as viewing statistics, adding, removing and editing an event in the calendar, managing subscribers to the newsletter, creating and removing a user (administrator) so that he can have access or not to the admin page. Adding image in image carousel.

Admin Page Statistic (statictic.php):



Statistic of the website Saith Seren

- As an administrator you have access to fresh statistics of the site. To access it you have to in "Overview" then "Statistic"
- It lists the number of users coming to the website and the number of people who have been subscribed to the newsletter.

[Admin Page Newsletter \(newsletter_list.php\):](#)

Email	Manage
waelsgb@gmail.com #1	Delete
remil124@hotmail.fr #21	Delete

Export Emails

Newsletter List User

- As an administrator you have access to the list of people who have subscribed to the newsletter. You have to in the dashboard and click on "Newsletter" and then "Subscriber"
- You have the option of deleting the user of the newsletter (this means people will no longer receive the newsletters afterwards)
- You can also press another button "Export Emails" to download the list of all people subscribed to the newsletter, this will allow you, for example, to include this email list in your email sends.

Admin Page Add Event (admin.php):

Add Event

Date:	<input type="text"/>
<hr/>	
Title:	<input type="text"/>
<hr/>	
Description:	<input type="text"/>
<hr/>	
Hour:	<input type="text"/>
<hr/>	
<input type="button" value="Add Event"/>	

Add event calendar

- As an administrator you have access to be able to add items in the calendar of events for this you just have to go to "Calendar" then "Add Event" in the admin Dashboard.
- You have to fill out every input and put a date, a title, a description and an hour for the event.
- Then pressed "Add Event". If you have put everything you need the event should appear in the "calendar.php" page otherwise you have not put all the necessary information.

[Admin Page List Event \(admincalendar.php\):](#)

t

<input type="button" value="Delete"/>	<input type="button" value="Edit"/>
---------------------------------------	-------------------------------------

Bonjouuuuuuuuuur

<input type="button" value="Delete"/>	<input type="button" value="Edit"/>
---------------------------------------	-------------------------------------

Title:

Date:

Description:

Hour:

List Event

- As an administrator you can manage the events that appear in the calendar (calendar.php) by deleting or editing them. You can access it in the Dashboard “Calendar” then “List Event”

- You can then modify each of the events present on the calendar.php page and modify their title, description, time and date. This gives you great flexibility. In order to confirm your change you just have to click on the "Confirm" button.

[Admin Page Add an Administrator \(register.php\):](#)

Registration

Register an admin.

Email

Your email

Password

Password

Confirm Password

Repeat your password

Submit

Register an admin

- You can make sure to add administrators. This feature can be found in "User" then "Add User".
- This functionality will allow you to register an administrator who will then be able to access the admin page with the identifiers that you have put for him.

- To do this you must give him a valid email address, an 8-character password and repeat it twice to confirm this password.
- You will only have to click on the submit button thereafter an administrator will be created. You will get a confirmation message and if there was an error an error message that will tell you exactly what mistake you made (less than 8 characters, password does not match, email address is already register as administrator)

[Admin Page List Administrator \(listuser.php\):](#)

Manage User

waeelsgb@gmail.com

Delete

waelsgb@gmail.com

Delete

elsingaby@et.esiea.fr

Delete

reemilrl124@gmail.com

Delete

Manage User

- In order to access this feature you must go to the dashboard then "User" then "List User"
- This feature will allow you to manage the administrators who therefore have access to the administrator page. You can delete the admins if you wish by pressing the "delete" button.

[Admin Page Add Image to the Carousel \(addimage.php\):](#)

Add a new image to the Carousel

Title:

Description:

Image:

Aucun fichier choisi

Add Image to the Carousel Image

- Thanks to your administrative permissions you will be able to add images to the image carousel which is located on the home page (index.php). This functionality can be found in the "Image" then "Add Image" dashboard.
- You just have to choose a title, a description and as well as the image which must be in /resources/image in order to be recovered (checks will be made using the script which manages this).
- Then you just have to click on "Add Image" which will send the image, title and

description to the image carousel.

6 - Design

6.1 - Requirements

Wales style:

Even if we created a new website from the beginning, we had to respect the client's conditions. The first one was to keep the Wales style with the correct color mix (red, green and white).

Saith Seren Logo:

We were asked to create a new website and not create a new logo. So we should keep the official Saith Seren logo and arrange it as best as we could on our website.

Bilingual:

Saith Seren often welcomes Welsh learners and their website must be readable by those who don't speak Welsh very well as well as those that only speak English.

Modernisation:

The current Saith Seren website is pragmatic but not very modern and user-friendly. For our new website, we should create something refined and easy to use.

6.2 - Our choices:

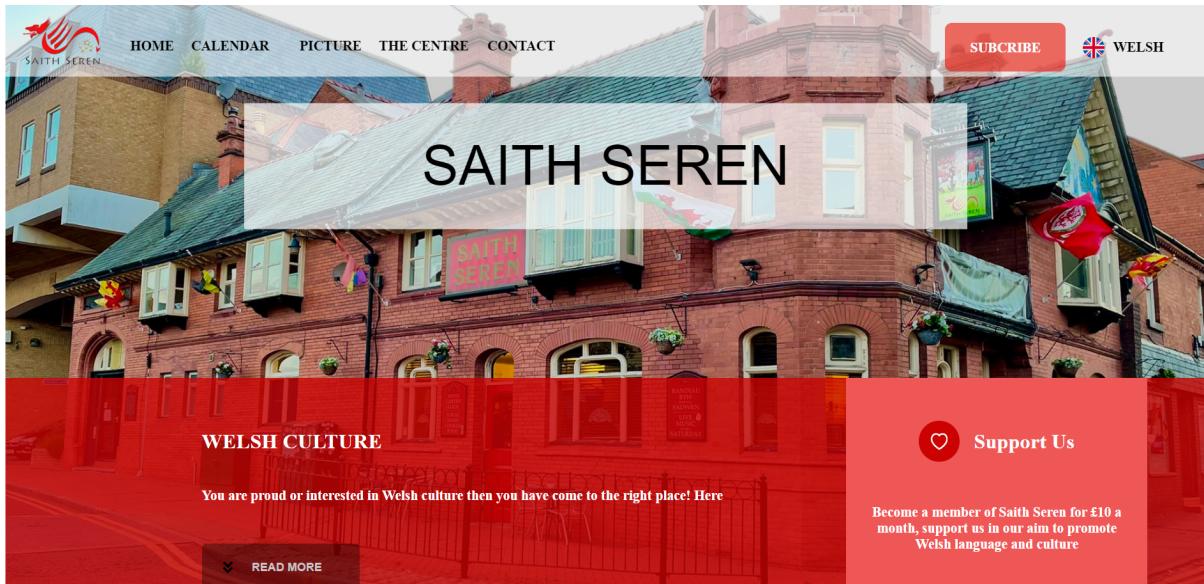
Modernisation: we will compare between the actual website and the website that we developed. As you have read in the requirements part, we have answered all of your needs when it comes to the web site.

refined design:

The design that we have gone for is a design that is user-friendly and that does not hurt your eyes when you look at it. The current web site has this problem. When you visit the web page, the red background jumps at you. After a bit of time, your eyes start hurting because of this color. There is another problem when you visit some of the other pages. You can see yellow texts written on a red background and another page where the text is written in red on a red background. It is completely unreadable. We have chosen a darker tint of red that does not hurt you even if you scroll through the website for a long time. When you go to our website, you can see the logo of Saith Seren and the colors of Wales. It is an airy text that is easy to read. When you visit the website on Saith Seren on your phone it is absolutely unreadable. The pages don't cover the entirety of the screen and you can't read anything because there is nothing that changes the pages to the size of your media. Our website's design changes if you are on your phone, tablet. Information will be readable whether you are on your phone, tablet or computer. This makes the web site usable on every media. Our design is almost the same as the one that is on our figma.

The screenshot shows the homepage of the Saith Seren website. At the top left is a stylized red dragon logo with yellow stars. To its right is the text "SAITH SEREN". Below the header are three green buttons: "Hafan/Home", "Digwyddiadau/What's On", and "Y Ganolfan/The Centre". A red banner below the header contains text about becoming a member for £10 a month to support Welsh language and culture. To the right of the banner are links for "Cefnogwch / Cyfrannwch" (with a "YMA" link) and "Support / Contribute" (with a "HERE" link). On the left side, contact information is provided: address (Y Saith Seren, Canolfan Gymraeg Wrecsam, 18 Chester Street, Wrecsam, LL13 8BG), phone number (01978 447006), email (Cadeirydd / Chair (C. Evans) 07885567512, 7seren@gmail.com), and social media (Facebook link: <https://www.facebook.com/saithseren1>). On the right side, event details are listed: "Ar Agor" (Open), "Dydd Llun - Dydd Gwener" (Monday - Sunday), "4:30 - 11:00", and "Dydd Sadwrn 12:00 - Hanner Nos". At the bottom left is a small image of a local ale sign for "CWRW LLEOL LOCAL ALES". At the bottom right is a map of Wrexham showing street names like Powell Rd, Holt Rd, and Brymbo St.

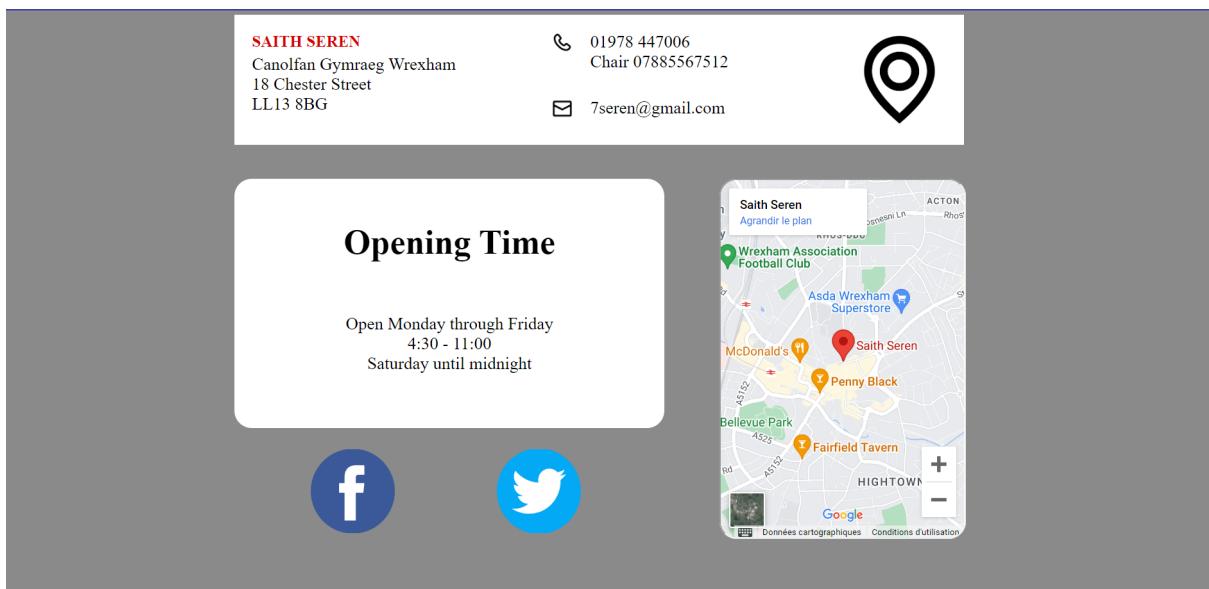
Homepage of the current web site



Homepage of our web site

Dynamic map.

If you go to the web site that we have developed, if you go to the contact part of the website you will be able to see a map. This map comes from Google Maps and can be interacted with. This allows the user to be able to use Google Maps directly from our web site with a simple click on the enlarge map option. This opens Google Maps and helps them to locate themselves in the city if they want to go to Saith Seren. The map of the current web site is a scan of an actual map of Wrexham with an arrow pointed to the location of Saith Seren.



Dynamic map in our contact section of our website.



Map that is on the current website of Saith Seren

Dynamic calendar.

When you visit the current web site and you go to the calendar section, you can see that the calendar isn't up to date because there is only one admin on the web site and they update the calendar every month. There are no descriptions of the events that are going to happen. On our web site you can enter the events that are going to come. Only the events that are during the current month are displayed. This is easier for the user because there will be a small description of the event that is going to come.

The screenshot shows the website's calendar section for January. At the top left is a logo with a stylized red and yellow bird-like icon and the text 'SAITH SEREN'. To its right are links for 'HOME', 'CALENDAR', 'PICTURES', 'THE CENTRE', and 'CONTACT'. On the far right are 'SUBSCRIBE' and a 'WELSH' link with a British flag icon. The main title 'Event Calendar' is on the left in a large, bold, black font. Below it, the month 'JANUARY' is centered in a bold, black font. The calendar grid consists of three rows. The first row has one event: a dark grey box containing '29 JAN' with a white outline, followed by the event name 'NOSON JAM NIGHT' in red, a short description in small black text, and a red button with a white icon and '10 AM'. The second row has one event: a dark grey box containing 'REZ' with a white outline, followed by the event name 'T' in red, a short description in small black text, and a red button with a white icon and 'RZE'. The third row has one event: a dark grey box with a white outline, followed by the event name 'BONJOUUUUUUUUR' in red. The background features a large red triangle shape on the left side of the calendar grid.

Calendar section of our website

Ionawr / January 2023						
Llu / Mon	Maw / Tue	Mer / Wed	Iau / Thu	Gwe / Fri	Sad / Sat	Sul / Sun
						1
2 Ar Gau / Closed	3 Ar Gau / Closed	4 Ar Gau / Closed	5 	6	7 The Sidekicks	8
9	10	11	12 	13	14 Blood Moon	15
16	17	18	19 	20 Catalyst	21 Problem Child	22
23	24	25 Noson Jam Night	26 	27 Cor Meibion Rhos Am ddim / Free entry	28 Fly52	29
30	31					

Dyddiad / Date	Digwyddiad / Event
04 Chwe / Feb	Big Business
10 Chwe / Feb	Dafydd Hedd a'i fand, Morgan Elwy a'i fand, Y Newyddion
11 Chwe / Feb	Mercy Fire
18 Chwe / Feb	Insanity Beach
24 Chwe / Feb	Jonny Ash £7.50 (https://www.eventbrite.co.uk/e/jonny-ash-saith-seren-tickets)
25 Chwe / Feb	Losing Light
04 Maw / Mar	Salty Hog
10 Maw / Mar	Lleisiau Clywedog a Chor DAW

Calendar that is used on the actual website of Saith Seren

6.3 - UX

Less pages, more order:

On the original website all the information is split on six web pages. Some of this information is duplicated on two web pages like the address or the opening hours. To transform the site to a more user-friendly one, we reduced the number of pages while keeping the same amount of information. To navigate easily between them we created buttons that can redirect the user on another web page or on another line of the actual page with the navigation bar that appears when the user scrolls up the page.

Every user of a website is not a PC user. So we designed our site with a dynamic interface that can be automatically adapted to the phone and tablet format. For example, the navigation bar retracts into a drop-down button and takes a vertical alignment to maximise the display of information.

For people with little or no understanding of Welsh, we have added a button to change the language used on our site that can be pressed at any time.

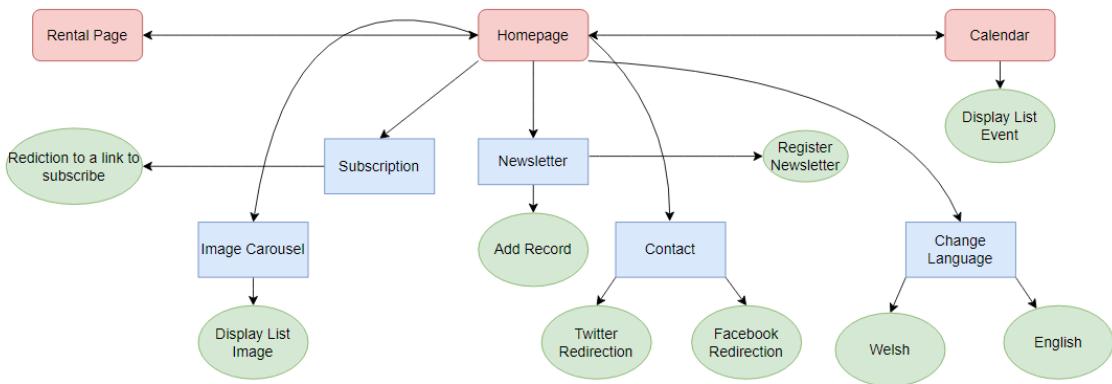
6.4 - Gaps and path of improvement

On the admin page of the web site we have added a graph that shows how many people visited the website every month as well as the number of visits in total. On this page you can also see how many people are subscribed to the newsletter. We have made it so that there can be multiple admin accounts. The role of each person that has access to the admin page is written under their name. We've added a button at the top right side of the screen that allows you to switch between the Welsh and the English language.

7 - Visual representation of the website features and functionality

The visual representation of the website features and functionality is very important. In this section you will see how the user interacts with the website thanks to a flowchart.

7.1 - Flowchart User

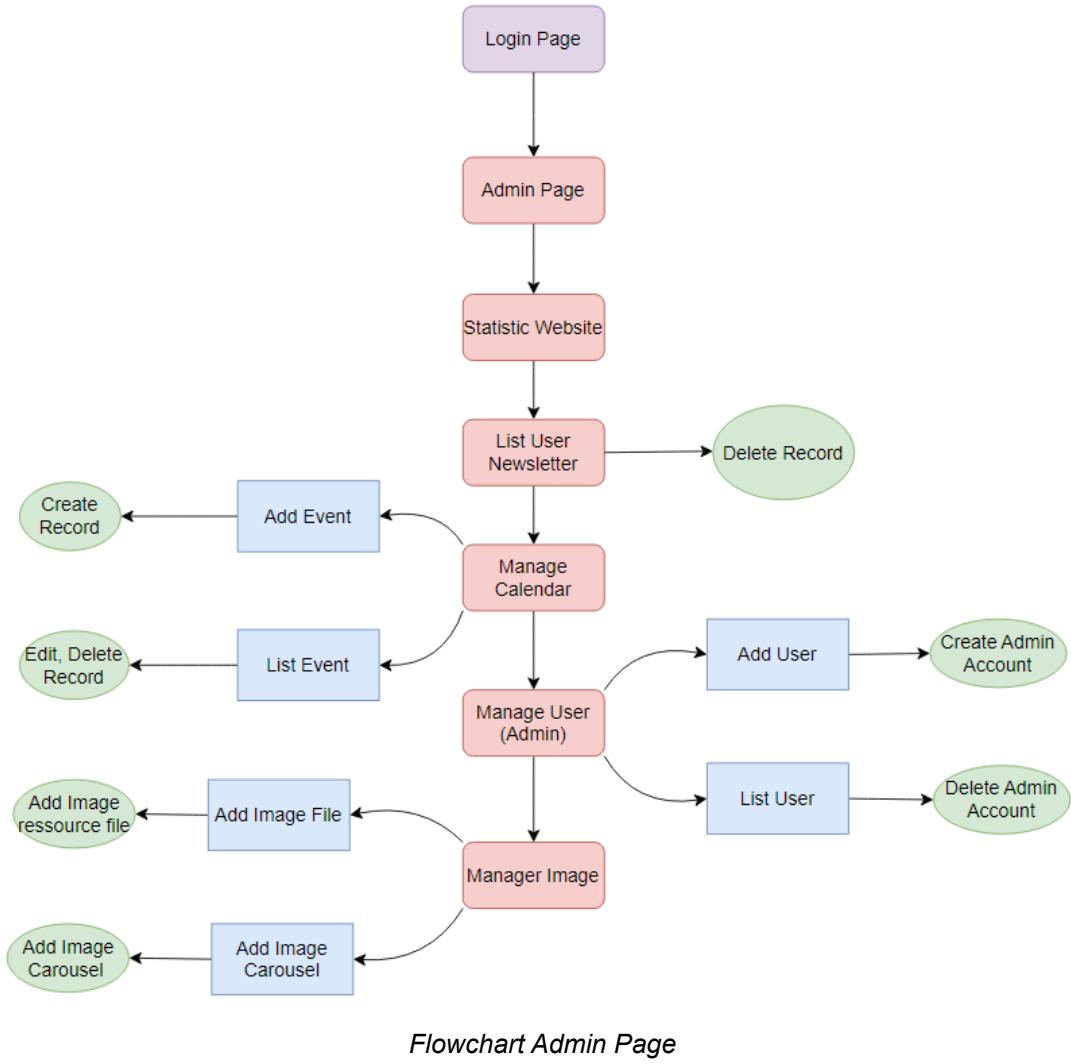


Flowchart User

Here is a flowchart that shows the user-side interaction that a user can do, this includes for example the interaction with the newsletter which allows the user to subscribe to follow events or news related to Saith Seren.

Each section of the flowchart gives a clear representation of the action that the user can do, he will also see the script that interacts with the page (in green) and that displays the information.

7.2 - Flowchart Admin



Same here.

8 - Conclusion

In conclusion, this documentation shows an overview of the Saith Seren website. This documentation will allow users who read it to better understand the operation of the website and its features. The administrators will be able to rely on it in order to better self-manage the website and know if it needs to be improved or not.

