

Project Phase01 - Southern Apalachian Salamanders (SAS)

Objectives

- Use a file structure that allows for your program to evolve.
- Continue using git.
- Explore code using AI

Introduction

Use the the LinkedIn/Learning site called [PHP and MySQL Essential Training Part 1](#) as the code base. We will modify the athor's code to create a new application.

What to Watch

LinkedIn/Learning

Watch the first two chapters before writing any code.

1. [Start a Database-driven Web Project](#) and
2. [Build Web Pages with PHP](#).

After watching the chapters, use the exercise files and start coding along with the author. You will not turn in these files. Coding with the author will reinforce the concepts.

Moodle

I have also created videos that you will find in Moodle.

Start Building SAS

What you will build

Here is a link to the [all of the phases](#).

As you can see it doesn't do much and there is no CSS. I left out the CSS on purpose so we can concentrate on the file structure and the PHP code.

Don't let this seemingly simple site fool you. The code behind the scenes is what sets up your project so it can scale up.

Project Phase01

As you can see it doesn't do much and there is no CSS. I left out the CSS on purpose so we can concentrate on the file structure and the PHP code. Don't let this seemingly simple site fool you. The code behind the scenes is what sets up your project so it can scale up without breaking.

I have provided the starter code. Download it from Moodle. Store the code in a folder called `htdocs/sas`. You may also choose to put the folder in `htdocs/web182/sas`.

Folder for each phase

```
htdocs/sas/phase01
htdocs/sas/phase02
etc.
```

Instructions in the starter files

I have placed instructions in the starter-files. The files you need to edit are

```
sas/index.php
sas/public/index.php
sas/public/salamanders/index.php
sas/public/salamanders/show.php
```

Upload to your webhost

Once your code is running correctly locally, upload it to your webhost. You can do this using your host's file manager.

We will cover SFTP (Secure File Transfer Protocol) in the future.

Getting help

This list is not in any particular order

- Email me
- AI - pick one (or more) and start exploring!
- Discord (voluntary) - here is the [link to join](#)

Git

Review the video in Moodle to get you started.

Once you are finished with your code make sure to make a final commit.

Using the terminal in VSCode is a good choice.

Navigate to your `sas` folder

[Win]

```
cd c:\xampp\htdocs\sas:c:\xampp\htdocs\sas
```

[Mac]

```
cd /Applications/MAMP/htdocs/sas/Applications/MAMP/htdocs/sas
```

Stage and commit

```
git statusstatus
gitgit addadd ..
gitgit commit -mcommit -m "Code for phase01 is ready""Code for phase01 is r
```

Git log

You do not need to push your code to GitHub for this assignment.

Instead you are required to submit your git log in Moodle. There are two ways to complete this task.

Copy and paste

```
git log
```

Copy and paste the output in a new file named `phase01-git-log.txt`

OR

Use the command line

You can use the Linux `>` output operator. This will write your git log to a file.

You need to be in your `sas` folder (see above to navigate.)

Now you are ready to run this command that outputs the git command to a new file.

The `--decorate` switch is optional but it makes reading the output easier.

```
git log --decorate > phase01-git-log.txt
```

You can open your new file in VSCode to see it!

What to Submit

Once you are finished uploading your code to your webhost submit the following in the Comments section in Moodle.

- The Web address to your site, so I can click on it and see it run.
- Submit your `phase01-git-log.txt` in Moodle.