

WEB

CAMAGRU

What is Camagru:

- Camagru is a website to take photos with your webcam or upload photos, and overlay 'stickers' onto your photo.

How to run Camagru:

- You will need to setup a Bitnami-MAMP server in order to host your database and run your server-side PHP code (install from Managed Software Center)
- Restart your Apache server to see updates made in your code. Note that you will have to change some settings in one of your php.ini files to make server updates faster and without restart.

Important to note on input:

- Protect text input with input checks in html and php
- If the code has php in it you must save the file as .php - otherwise php code, including session variables does not work.
- Use session variables and/or cookies to check information more easily and to protect your pages that shouldn't be accessed if not logged in
- Read up on POPI act, it applies to what information you are and aren't allowed to store in the same database -> NB to know.

Your output:

- You must overlay your images in php, thus **not** in js and **not** on the canvas and then save the canvas info.
- If you struggle with your overlay, check the size of the image you are attempting to overlay and the size of the photo you are saving. They might be out of bounds/sight.
- For overlay of images, look at these functions: imagecreatefrompng(), imagecopy(), imagepng()

First steps:

- Plan! Make sure you know what information you want where in your database.
- Draw a basic layout for your pages, it makes it easier to code later on.
- Think about how you want to link user information with user images and so forth.
- Choose whether to save the images in a folder or as base64_encode() strings in your DB

Next steps:

- Start with what you know and flesh it out from there.
- To access camera: https://www.youtube.com/watch?v=gA_HJMd7uvQ&t=449s

Notes:

- Ensure that the sticker/image you want to overlay, is small enough to fit onto the photo you took, otherwise your overlay functions may work, but you can not see it on your photo.
- Also see 'Camagru Checklist' if you feel the need to.