# A WordPress Plugin Idea
## Camera Function

# Project description

In order to improve the relationship between restaurant owners and their customers, we have thought of a way of how the latter can contribute to the former's website. First and foremost, we would like to develop a plugin that is able to connect with the user's device's camera upon a button being pressed from the website. Once a connection has been established the user will be able to see a preview of what they're aiming the camera at, thus allowing them to adjust the camera angle if they see it necessary. Under the preview window there will be two buttons: one to exit the camera mode and the other to take the picture. Once the picture has been taken, the user will be redirected to another page. There they will be instructed to fill in a form. More specifically, they'll have to input:

- Their full name
- Their e-mail
- Their birthday (optional)
- Their gender (optional)
- What they have taken a picture of
- Agree or disagree to let the restaurant owner use the picture they have taken on the website

If all the fields have been filled properly and the user has agreed to let the owner use the picture taken, one copy of the images will be sent to the email input by the user. When it comes to the restaurant owner, we would like for them to receive the picture by it being directly uploaded into the site's media library. If that, however, turns out not to be possible, then another copy of the image shall be sent directly to the owner's email.

A programmer from India has, under our request, tried to develop a solution, but he succeeded to do so only partially. When it comes to establishing a connection with the camera, his plugin can do that just fine, and it can take pictures as well. The programmer also tried to add a third button on top of the above-mentioned two, through which the user could switch from the external camera, the default one, to the internal one.

This functionality has however, after a bit of testing, proven to be buggy. Not being a necessary feature, said button can be removed and ignored. Another function which, on the other hand, could be a nice addition, is the presence of a session gallery. Basically, all the pictures the user has taken in the session will be displayed in a gallery, from which the user can take a closer look at the pictures taken or even delete them.

What could be done here is, that instead of having to refill the form for every picture taken, the user will instead first be able to select which pictures they are fine with sharing, give a description to each of them and then fill the form.

However, this is where the plugin developed by the Indian programmer stops. The already mentioned form which we would like to have is still missing. Last but not least, another flaw of the plugin is that the user must have a verified WordPress account and be logged in in order to even be able to access the page where the camera is at. While, we would like for the plugin to be usable even by unlogged users.

This plugin has been written in Javascript, and it is currently discontinued, due to the programmer not being able to work on it anymore for private reasons. We thought about changing to ReactJS, but didn't find a developer helping here.

## How to get further

It would be very grateful to get an offer, how to work in the future. We look for an agreement that we share the risk of development and later the income. I have limited resources, the normal income I get, is spent end of the month for living expenses. There are many projects in tourism, get no money here. The last investment was taken in a Web Scraper to get information of hotels worldwide.

Still, we continue the work for restaurants and will do some examples for websites with ordering systems.

## Specifications

- The camera page should only be accessible from mobile devices. This is simply due to how connecting a PC or laptop wouldn't make much sense, considering that the main purpose of this plugin is to take pictures of dishes.
- There should be a limit of how many pictures a user can make per session, otherwise the gallery might get flooded with images and make the whole page sluggish. An acceptable image limit would be between 5 and 10.
- We will do two different plugins, one only for front camera and the other switching front and back camera.