

Otp Using Twilio

(Kisan Network Coding Challenge)

A web application that can send an OTP (via SMS) to a list of contacts, one at a time.

Codebase-

- PHP
- MySQL
- HTML
- Bootstrap (CDN)- for responsiveness
- Jquery (CDN)
- Twilio for OTP (Trial version)

Suggested Improvements-

- Panel to add the contacts as well
- Button to resend an old OTP from the list displayed in the Message History Panel

Good Practices as suggested on Stack Overflow that I stumbled upon-

- Keeping the config files and files that contain important Database queries separate from the files that handle post requests. That way, the functions can be changed in the future to modify the queries that access the newly modified schema of the database. At the same time the files handling the post requests and error messages need not change anything other than formatting the response if required.
- Using CDN for Bootstrap and jQuery, as these remain cached in the user's browser if they visited any other site which hosted them. This saves up server space as compared to serving them static.

Assumption-

Since the Twilio's trial subscription only allows sending messages to numbers that are verified by the user account, at the moment the OTP can be sent only to me.

However, had the OTP be allowed to be sent to any user, I assumed that the numbers will be Indian mobile numbers and I am appending +91.

This can be changed if required, in the code itself, and not the database schema, considering the fact the changing the schema is cumbersome as compared to changing the code. To achieve this, I am only saving the 10 digit mobile number in the schema and not the country code. If the requirement expands to send OTP's to international clients, area-code checking can be employed in the `send.php/getInfo.js` file.

References-

- Twilio getting started guide available on their website- <https://www.twilio.com>
- PHP files from my old project- https://github.com/TheSassyGourmet/Final_Year_Project (as they were quite similar to what was required in this project.)
- Stack overflow (I got stuck in the AJAX request part, as my post parameters weren't getting sent in the post request, floundered around a bit until I found the perfect solution here- <https://stackoverflow.com/questions/18697034/how-to-pass-parameters-in-ajax-post>)

Live Project Link-

- <https://kisaantesting.000webhostapp.com>

Source Code (Github)

- <https://github.com/TheSassyGourmet/OTP-using-Twilio>