Online Form Database Web App

Prerequisites:

- Website must be in HTTPS (has SSL certificate installed)
- Server has the following PHP extensions enabled: openssl, curl, mbstring, gmp

Setting up (technicalities):

1. Put the files in their appropriate directories. Refer to the following hierarchy:

*Note: Names preceded by * are folders*

```
* onlineforms
        > app.js
        > manifest.json
        > push_subscription.json
        > push_subscription.php
        > push_unsubscription.php
        > send_push_notification.php
        > sw.js

        ** images
                *** pwa
                        > icon-192x192.png
                        > icon-256x256.png
                        > icon-384x384.png
                        > icon-512x512.png
                        > icon.png
        ** js
                > app-install.js
        ** keys
                > private_key.pem
                > private_key.txt
                > public_key.txt
        ** vendor
                *** composer
                *** fgrosse
                *** guzzlehttp
                *** minishlink
                *** paragonie
                *** psr
                *** ralouphie
                *** spomky-labs
                *** symfony
                *** web-token
                > autoload.php
```

2. Go to *includes* folder and open *header.php*, copy and paste the following code before the **</head>** tag:

```
<!-- FOR PWA -->
<link rel="apple-touch-icon" sizes="192x192" href="images/pwa/icon-192x192.png">
<script src="app.js"></script>
<script type="module" src="js/app-install.js"></script>
<script type="text/javascript">
   window.onload = () => {
            if (document.body.contains(document.getElementById('banner'))) {

                     var insbutton = document.getElementById("installComponent");
                     var subbutton = document.getElementById("pwaPushSub");

                     insbutton.style.display = "none";
                     subbutton.style.display = "none";
            }
   }
</script>
<style type="text/css">
   #installComponent, #pwaPushSub {position: fixed; width: 100%; background: #d5eef1; }
   #pwaPushSub {text-align: center; padding: 10px;}
   #pwaPushSub button {padding: 5px 10px; border: none; background: #4baadf; color: #fff; cursor: pointer;}
</style>
<!-- END FOR PWA -->
```

Still in *header.php*, copy and paste the following code right after the line with **<body>** tag:

```
<div id="pwaPushSub"><button id="push-subscription-button">Subscribe to Push Notification</button></div>
<pwa-install id="installComponent">Install App</pwa-install>
```

Your lines of code should look like this:

```
36
37    <!-- FOR PWA -->
38    <link rel="apple-touch-icon" sizes="192x192" href="images/pwa/icon-192x192.png">
39    <script src="app.js"></script>
40    <script type="module" src="js/app-install.js"></script>
41    <script type="text/javascript">
42        window.onload = () => {
43            if (document.body.contains(document.getElementById('banner'))) {
44
45                var insbutton = document.getElementById("installComponent");
46                var subbutton = document.getElementById("pwaPushSub");
47
48                insbutton.style.display = "none";
49                subbutton.style.display = "none";
50            }
51        }
52    </script>
53    <style type="text/css">
54        #installComponent, #pwaPushSub {position: fixed; width: 100%; background: #d5eef1; }
55        #pwaPushSub {text-align: center; padding: 10px;}
56        #pwaPushSub button {padding: 5px 10px; border: none; background: #4baadf; color: #fff; cursor: pointer;}
57    </style>
58    <!-- END FOR PWA -->
59    </head>
60    <body>
61    <div id="pwaPushSub"><button id="push-subscription-button">Subscribe to Push Notification</button></div>
62    <pwa-install id="installComponent">Install App</pwa-install>
```

Save your changes to header.php. Your online form database is now PWA-ready!

3. **To activate push notifications, you need to set an include/require function to trigger the code for sending push (found in *send_push_notification.php*) once the online form submission on the front-end side is successful. Put the following code within the specific online form's sending email success condition:**

```
/** START pwa push notif **/
$pwa_url = (explode("wp-content",dirname( __DIR__ ),2))[0];
require_once($pwa_url ."onlineforms/send_push_notification.php");
/** END pwa push notif **/
```

In this example, the form is located in *wp-content/themes/theme_name/forms*):

```php
if($send_email){

    /** START pwa push notif **/
    $pwa_url = (explode("wp-content",dirname( __DIR__ ),2))[0];
    require_once($pwa_url ."onlineforms/send_push_notification.php");
    /** END pwa push notif **/
```

If the online form php file is located somewhere else, you need to adjust *$pwa_url* accordingly.
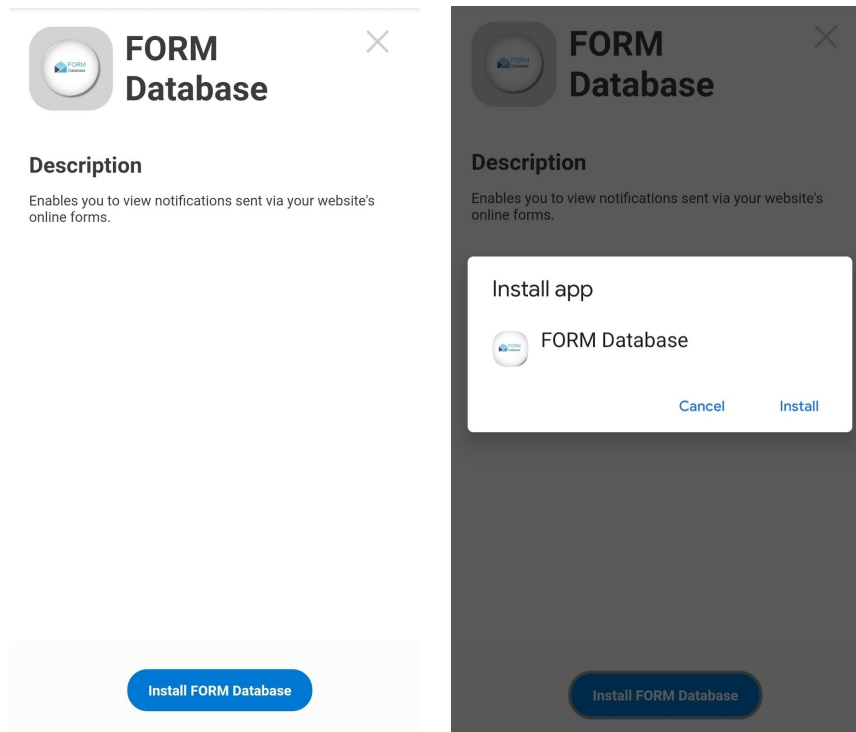
Usage (end user guide):

1. **On your mobile device's browser, go to online forms database page (https://your-website-domain/onlineforms).**
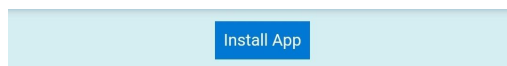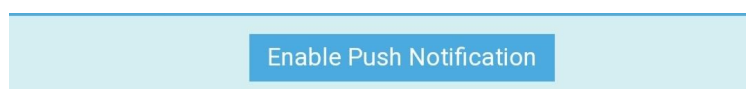
2. Install the OFDB app.

3. Once successfully installed, you can find the FORM Database icon on your apps list. Tap on it to open the app.

4. If you want to be notified once a user/visitor has submitted their info through your website's online forms, you need to subscribe/enable push notification.

5. **To unsubscribe to mobile notifications, just press the "Disable Push Notification" button.**

Disable Push Notification