1. Scope

Code name: RIN2
An application that allows users to see special posts as a one-time notification.

2. Requirements

- Having a basic user's table (i.e. the one form standard Laravel auth migrations).
    - o Setup the DB, migrate and add some records.
- Adapt and prepare the structure to handle the notifications and identify when a user reads them.
    - o Do the new database migrations for "users" considering that the table is already migrated, seeded and in production.
        - ▪ Add the notification switch as not null
        - ▪ Add the phone number as nullable

The app will need:

- a page to list users and see how many notifications are still to be read.
    - o List user basic info, plus the unread notification count.
    - o Click on a user to "impersonate him" and see a simple home page with the classic notification icon with unread counter on the top-bar.
        - ▪ Click on the counter to see the notification list.
        - ▪ Click on the notification to set it as read.

- a form to update a user's notifications settings
    - o Switch on-screen notifications on/off
    - o Change Email
    - o Change Phone number
      (validated as real mobile number with any free 3rd party library i.e. messagebird)

- a page to post new notifications
    - o Notifications should have
        - ▪ a type: marketing, invoices, system
        - ▪ a short text
        - ▪ an expiration, after which it won't appear on users pages also if unread
        - ▪ a destination: to a specific user or for all

- We need a page to list the posted notifications with detail

- The web application should provide a working PoC of:
    - o A User settings editor
    - o A way to list users and notifications entries with filters.
    - o A solution to manually post new notifications items.

3. How to proceed

3.1.   How to Work

- Use a local git repository and commit your progress with "atomic commits" and meaningful comments.
- Use PHP 7.2 or greater and the latest Laravel 8.x.
- Follow PHP-FIG coding style PSR-1 and PSR-12.
- Use the RDBMS you prefer among Postgres or MySQL.

3.2.   How to Report Results

3.2.1. Code

Zip, or tarball, your local project folder including the git meta-data and send it back to us.

3.2.2. Docs and diagrams

Short descriptions of design decisions can be included as .md file in the folder of competence.
We need a comprehensive description of how to install and verify your solution.