JavaScript Assignment

Please read the instructions carefully:
- The assignment needs to be done in HTML, CSS and JavaScript only, no libraries allowed, not even jQuery.
- You should be able to explain every line in your code so we advise not to search/google for any solutions but use your own logic and programming skills.
- You are supposed to finish the assignment in 2 or max 3 days.
- Once you finish the assignment, please create a Github repo and share the link of the repository as well as the working page (upload it somewhere, eg github.io) by replying to the email. Please do not attach any files with the email.
- Please spend some time on formatting and adding comments wherever you think necessary to your code.
- We believe the assignment is fairly easy to understand so we request you to avoid any queries till the Interview phase as we are not in a position to answer each of them.

// assignment starts //

Personal Details Page: Create a form to accept

- Full Name (only alphabets and spaces allowed, min two words each with min 4 chars)
- Email (Email validation)
- Phone number (Pay attention to this format as per below instructions)
    - Only numbers to be allowed to type
    - make the number appear like (123) - 456 - 7890
        - the user is not allowed to add spaces/brackets/hyphens, that should be handled by the script and it should happen in real time and not after all the 10 digits are typed in.
    - The first 3 digits represent the mobile provider and its logo should appear beside the box, based on following conditions
        - if the 3 digits fall between 621 - 799, then its Reliance Jio
        - if the 3 digits fall between 801 - 920, then its Idea
        - if the 3 digits fall between 921 - 999 then its Vodafone
        - everything else is an invalid number.
    - The next 3 digits represent the state in India.
        - I will let you to decide which number represents which state but there has to be only 36 valid numbers (28 states and 8 UTs)
        - show the state name beside the mobile provider beside the box, eg Jio, Maharashtra.
        - everything else is an invalid number
    - Last 4 digits could be any combination.
- Submit Button

Thank you page

Once the user submits the form, pass the values to a new page eg 'thank you' page, create a 4 digit random number (show it only on console log) and based on the form values, write following message:

Dear <First name of the user and not full name>,

Thank you for your inquiry. A 4 digit verification number has been sent to your phone number: <valid phone number from previous page>, please enter in the following box and submit for confirmation:

Text box for OTP and 'Validate' button.

- If the number matches the random number generated earlier, replace the OTP form with a 'Validation Successful!' and redirect the user to pixel6 home page.
- else reset this OTP form and ask the user to reenter. If a user fails to enter the right number in 3 attempts, redirect the user to 404 (page not found) page on Pixel6 website.

// assignment ends //