Design an HTML page with the following requirements:

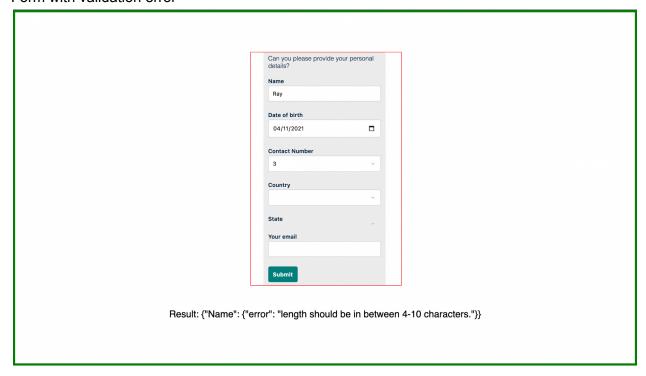
- Create a form as shown in the image below. The form needs to be loaded in the iframe.
- The Form will have fields like Name, Email address, Contact number, Country and State.
- Country and state are drop-down, countries are pre-populated from the <u>JSON</u> via an API call. If a country is selected, only the states of the selected country should be populated in the state dropdown. Refer to this <u>JSON</u> for countries and states.
- The form validations can be configured from the parent window in the Iframe as shown in the picture below:

```
{
    "validators" : [
    {
        "field": "state",
        "validator": [ { "required": true } ]
    }
}
```

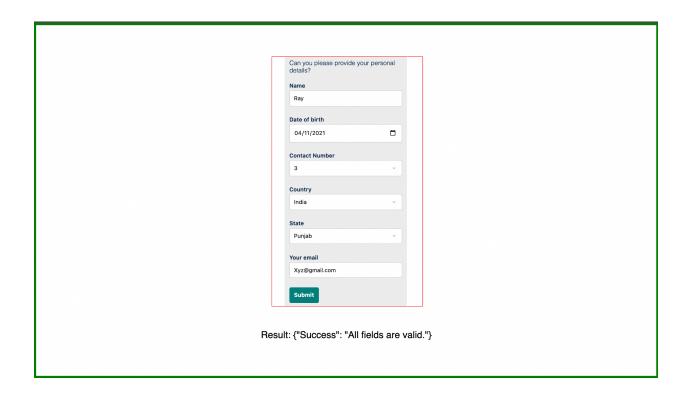
- Add these validations in the form fields:
 - Name Length should be between 4-10 characters.
 - Email address should only support valid email address
 - Contact number mobile number should be of 10 digits.
 - o Country, State, Name are mandatory fields.
- If all fields are valid, show the success message "All fields are valid" on the parent window or the error message as shown in the image.

Form design:

Form with validation error



Form with a success message:



Note that the div with a red border is an **iframe** and the green colour div is the **parent window**.

For reference -

Iframe - https://developer.mozilla.org/en-US/docs/Web/HTML/Element/iframe

Send data from iframe -

https://developer.mozilla.org/en-US/docs/Web/API/Window/postMessage