

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 [JSON](#) 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 [JSON](#) 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.
 - **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

Can you please provide your personal details?

Name
Ray

Date of birth
04/11/2021

Contact Number
3

Country
-

State
-

Your email
-

Submit

Result: {"Name": {"error": "length should be in between 4-10 characters."}}

Form with a success message:

Can you please provide your personal details?

Name

Ray

Date of birth

04/11/2021

Contact Number

3

Country

India

State

Punjab

Your email

Xyz@gmail.com

Submit

Result: {"Success": "All fields are valid."}

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>