**Formik Validations**

**- Validation is the process of verifying user input.  
- Validation is required to ensure that contradictionary and unauthorized data is not get stored into the database.  
- React can handle validations without help of third party by using JavaScript functions.  
                isNaN()  
                indexOf() : It returns -1 is there is no characters in a string.  
                typeof etc..  
- React have to use various events to verify the value  
                onBlur  
                onKeyup  
                onFocus  
                onChange etc..  
- Formik can use validation, from validation function that returns errors object.  
- You have to use JavaScript methods for verifying the value.  
  
Step-1: Create a function for accepting form values, verifying the values and reporting errors.  
  
            function  ValidateForm(values)  
            {  
                  const errors = { };  
                  if(values.Name=="") {  errors.Name="Required" }  
                  if(values.Email=="")  {  errors.Email="Required" }  
                  return errors;  
            }  
  
  
Step-2: Formik have to use the validation function  
  
          var formik = useFormik({  
                initialValues: { },  
                onSubmit: function() { },  
                validate: validateForm  
        })  
  
Step-3: Bind the Error Messages with UI**   **<span> {formik.errors.Name} </span>**

***import { useFormik } from "formik";*  
*export default function FormikValidation()  
{  
  
    function ValidateUser(userDetails)  
    {  
        const errors = {};  
        if(userDetails.UserName==""){  
            errors.UserName = "User Name Required";  
        }  
        if(userDetails.Mobile.match(/\+91\d{10}/)) {  
            errors.Mobile="";  
        } else {  
            errors.Mobile="Invalid Mobile";  
        }  
        return errors;  
    }  
  
    const formik = useFormik({  
        initialValues: {  
            UserName: '',  
            Mobile: ''  
        },  
        validate: ValidateUser,  
        onSubmit: values=> {  
            alert(JSON.stringify(values));  
        }  
    })  
    return(  
        <div className="container-fluid">  
            <h2>Register User</h2>  
            <form onSubmit={formik.handleSubmit}>  
                <dl>  
                    <dt>User Name</dt>  
                    <dd><input name="UserName" onBlur={formik.handleBlur} onChange={formik.handleChange} type="text"/></dd>  
                    <dd className="text-danger">{formik.errors.UserName}</dd>  
                    <dt>Mobile</dt>  
                    <dd><input name="Mobile" onChange={formik.handleChange} type="text"/></dd>  
                    <dd className="text-danger">{formik.errors.Mobile}</dd>  
                </dl>  
                <button>Submit</button>  
            </form>  
        </div>  
    )  
}***