```
To Use React Hook Form, We Can Import It:
```

```
import { useForm } from 'react-hook-form'
Then We Destruct What We Want:
const {
   register,
  handleSubmit,
  formState: { errors, isSubmitting },
   reset,
  getValues
 } = useForm();
The FormState Contain Multiple Properties That We Can Use For Validation.
To Make The Field is Required We Can Use:
<input { ...register('email', { required: 'The Email Is Required'}) }</pre>
type='email' placeholder='Entre Your Email'
       className='px-4 py-2 rounded outline-none' />
********************************
To Check More Validation Like Min-Length:
<input</pre>
       { ...register('confirm',
          required: 'The Confirm Password is Required',
          minLength: {
            value: 5,
            message: "The Confirm Must Be 5-Chars At Least"
          }
         })
      type='password' placeholder='Confirm Your Password'
       className='px-4 py-2 rounded outline-none' />
```

The Basic For Handling Form Submitting Using React Hook Form is:

```
const onSubmit = (data: FieldValues) => {
   console.log('Data is: ', data);
   console.log('The Error is: ', errors);
   console.log('The isSubmitting is: ', isSubmitting);
   console.log('The getValues is: ', getValues());
   reset();
 }
<form onSubmit={handleSubmit(onSubmit)} className='flex flex-col gap-y-2 w-</pre>
[450px]'>
*************************************
To Handle The Form Error Without Any Problem:
Note: Here We Set The Message Between `` To Avoid Any Compilation Error.
{errors.confirm && {`${errors.confirm.message}`}}
To Define Custom Error Rule We Set:
<input</pre>
     { ...register('confirm', {
            required: 'The Confirm Password is Required',
            minLength: {
             value: 5,
             message: "The Confirm Must Be 5-Chars At Least"
            validate: (value) => value !== getValues('password') && 'Password
And Confirm Must Match'
          })
        }
      type='password' placeholder='Confirm Your Password'
        className='px-4 py-2 rounded outline-none' />
```

```
To Use Zod With React-Hook-Form:
```

```
import { z } from 'zod';
Then We Define The Shape Of Data That We Want To Use:
const registerSchema = z.object({
  email: z.string()
    .min(5, 'Email Must Be At Least 5-Characters')
    .email('Enter Valid Email Address Please'),
 password: z.string().min(5, 'Password Must Be At Least 5-characters'),
 confirm: z.string().min(5, 'Confirm Password Must Be At Least 5-Characters'),
});
We Can Extract The Type Of Our Schema using z.infer:
type registerType = z.infer<typeof registerSchema>;
Then We Can Use Our Resolver With useForm Like That:
const {
    register,
    handleSubmit,
    formState: { errors, isSubmitting },
    reset,
    getValues
  } = useForm({ resolver: zodResolver(registerSchema)});
***********************************
```

To Validate The Submitted Data We Use Refine-Method:

Note 1: The Message is The Msg That We Want To Display To User.

Note 2: The Path is The Element That We Want To Bind The Message To Its Properties, It Can Be Multiple Elements.

Note 3: By This Way We Don't Need getValues()-Method.

Note: We Can Use Multiple Schema Instead Of One Schema, Where the zodResolver Accept Async Function.

type RegisterType = z.infer<typeof registerSchema>;

To Select The Type Of Our Form:

Note 1: By Setting The Type Of Our Form, We Don't Need import FieldValues From react-hook-form

Note 1: With Zod And React Hook Form, We Can Handle The Server Errors Like:

Note 2: We Can use setError From React-Hook-Form:

Note 3: The responseData Here is From fetch-JS-API:

```
if (responseData.errors) {
 const errors = responseData.errors;
  if (errors.email) {
   setError("email", {
     type: "server",
     message: errors.email,
    });
  } else if (errors.password) {
    setError("password", {
     type: "server",
     message: errors.password,
    });
  } else if (errors.confirmPassword) {
    setError("confirmPassword", {
     type: "server",
     message: errors.confirmPassword,
    });
  } else {
    alert("Something went wrong!");
```

```
import { signUpSchema } from "@/lib/types";
import { NextResponse } from "next/server";

export async function POST(request: Request) {
  const body: unknown = await request.json();

  const result = signUpSchema.safeParse(body);
  if (!result.success) {
    return NextResponse.json({});
}
```