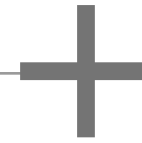


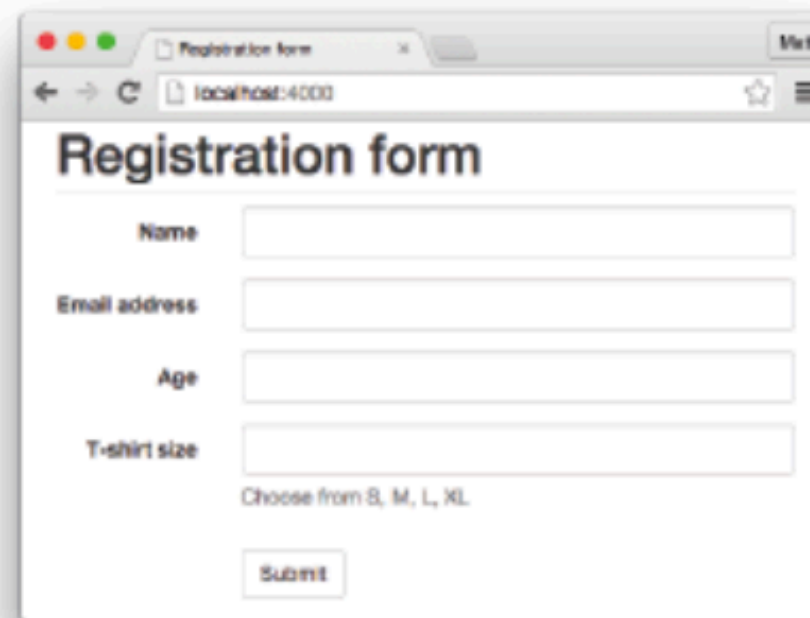


Joi + Hapi Validation

---



## The basic form

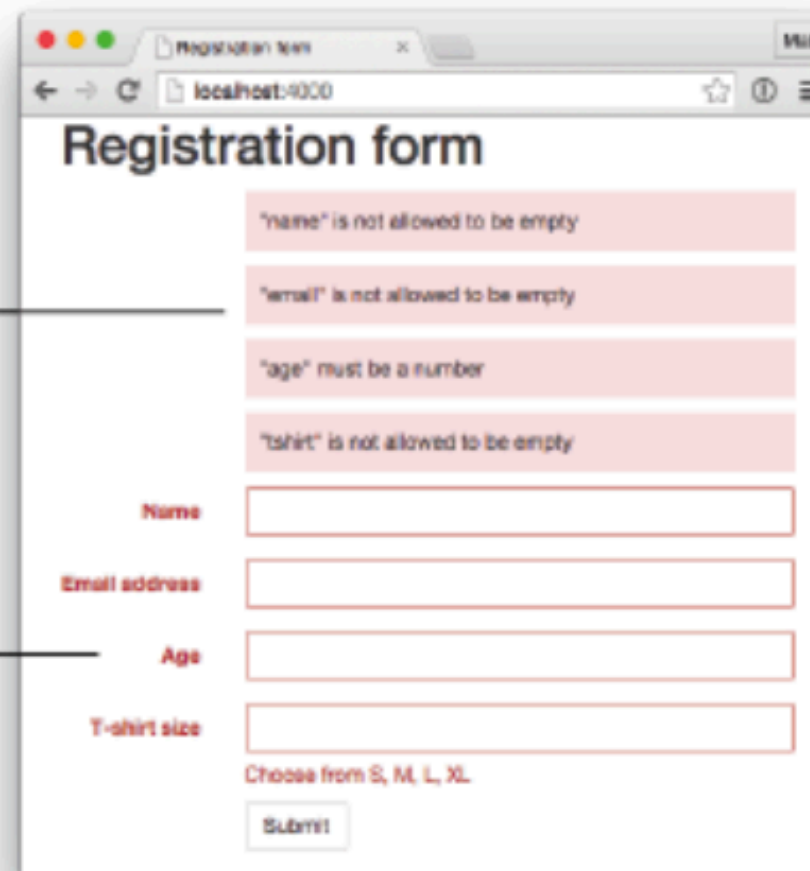


A screenshot of a web browser window showing a registration form. The browser's address bar displays 'localhost:4000'. The form is titled 'Registration form' and contains four input fields: 'Name', 'Email address', 'Age', and 'T-shirt size'. Below the 'T-shirt size' field, there is a text label 'Choose from S, M, L, XL'. A 'Submit' button is located at the bottom of the form.

## The form with errors

All errors are listed at the top

Fields with errors are highlighted in red

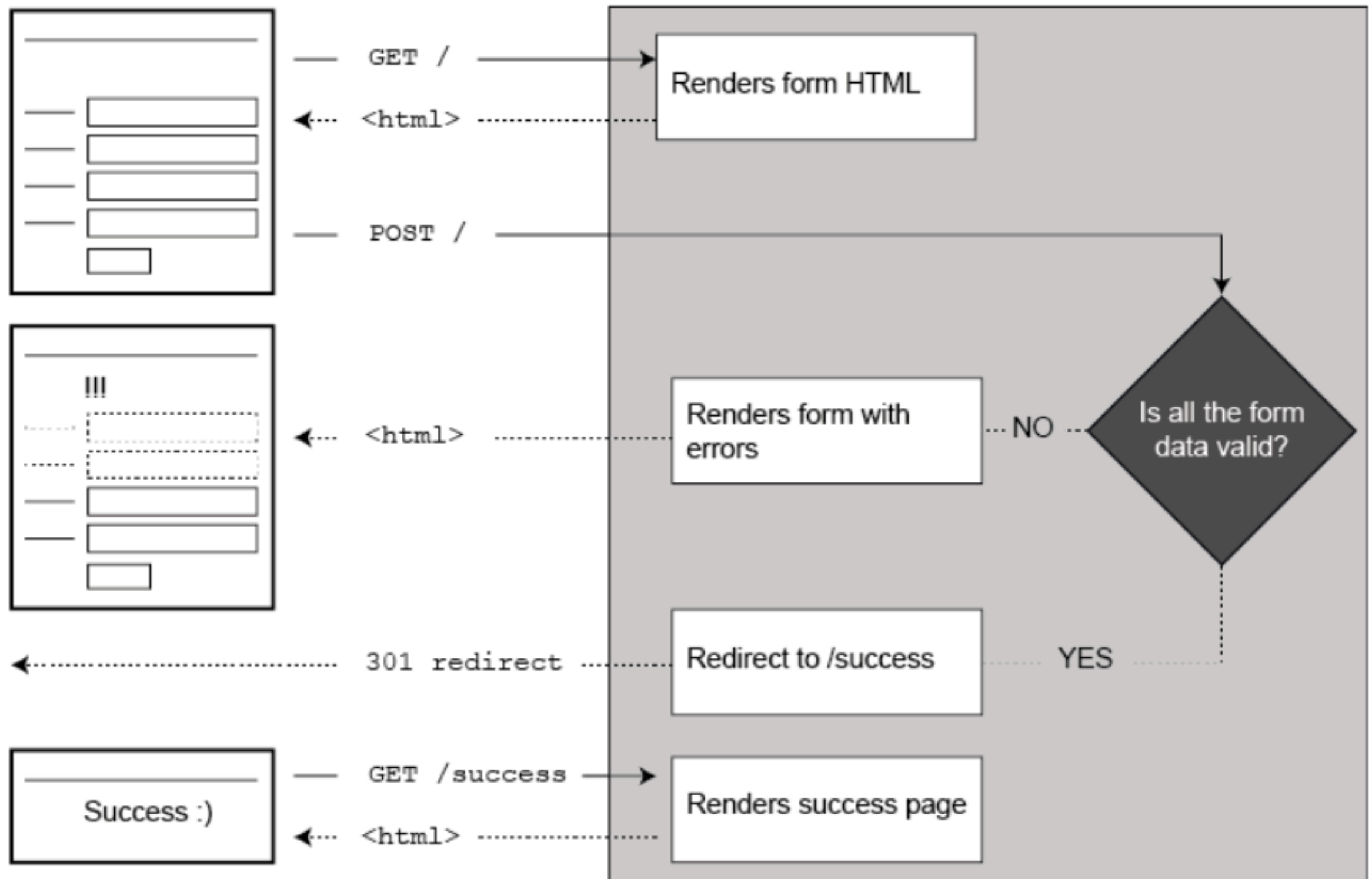


A screenshot of the same registration form, but with validation errors. At the top, four red error messages are listed: '"name" is not allowed to be empty', '"email" is not allowed to be empty', '"age" must be a number', and '"shirt" is not allowed to be empty'. The input fields for 'Name', 'Email address', 'Age', and 'T-shirt size' are all outlined in red, indicating they contain errors. The 'Submit' button remains at the bottom.

## The success page



A screenshot of a web browser window showing the success page. The browser's address bar displays 'localhost:4000/success'. The page is titled 'Registration form' and contains the message 'Thanks, we'll be in touch soon'.



[Donation](#)[Signup](#)[Login](#)

## Register

First Name

Last Name

Email

Password


```
const schema = {  
  firstName: Joi.string().required(),  
  lastName: Joi.string().required(),  
  email: Joi.string().email().required(),  
  password: Joi.string().required(),  
},
```

## Register

First Name

homer

Last Name

simpson

Email

homer.simpson.com

Password

••••

Submit

There was some errors with your submission



- "email" must be a valid email



## Register

First Name

homer

Last Name

simpson

Email

homer.simpson.com

Password

....

Submit

**There was some errors with your submission** ✕

- "email" must be a valid email



formerror.hbs

```
{{#if errors}}
  <div class="ui negative message transition">
    <i class="close icon"></i>
    <div class="header">
      There was some errors with your submission
    </div>
    <ul class="list">
      {{#each errors}}
        <li>{{message}}</li>
      {{/each}}
    </ul>
  </div>
{{/if}}
```

# signup.hbs

```
{{> welcomemenu }}

<section class="ui raised segment">
  <div class="ui grid">
    <div class="ui ten wide column">
      <div class="ui stacked fluid form segment">
        <form action="/register" method="POST">
          <h3 class="ui header">Register</h3>
          <div class="two fields">
            <div class="field">
              <label>First Name</label>
              <input placeholder="First Name" type="text" name="firstName">
            </div>
            <div class="field">
              <label>Last Name</label>
              <input placeholder="Last Name" type="text" name="lastName">
            </div>
          </div>
          <div class="field">
            <label>Email</label>
            <input placeholder="Email" type="text" name="email">
          </div>
          <div class="field">
            <label>Password</label>
            <input type="password" name="password">
          </div>
          <button class="ui blue submit button">Submit</button>
        </form>
        {{> formerror }}
      </div>
    </div>
    <div class="ui five wide column">
      
    </div>
  </div>
</section>
```

Donation

Signup

Login

## Register

First Name

homer

Last Name

simpson



There were some errors with your submission ✕

- Invalid email address

```
{{#if errors}}
  <div class="ui negative message transition">
    <i class="close icon"></i>
    <div class="header">
      There was some errors with your submission
    </div>
    <ul class="list">
      {{#each errors}}
        <li>{{message}}</li>
      {{/each}}
    </ul>
  </div>
{{/if}}
```

# Register handler

enable validation for this handler

the joi schema - tied to payload from request

handler if validation fails

the main handler for register, now validated

```
exports.register = {  
  validate: {  
    payload: {  
      firstName: Joi.string().required(),  
      lastName: Joi.string().required(),  
      email: Joi.string().email().required(),  
      password: Joi.string().required(),  
    },  
    failAction: function (request, reply, source, error) {  
      reply.view('signup', {  
        title: 'Sign up error',  
        errors: error.data.details,  
      }).code(400);  
    },  
  },  
  handler: function (request, reply) {  
    const user = new User(request.payload);  
    user.save().then(newUser => {  
      reply.redirect('/login');  
    }).catch(err => {  
      reply.redirect('/');  
    });  
  },  
};
```