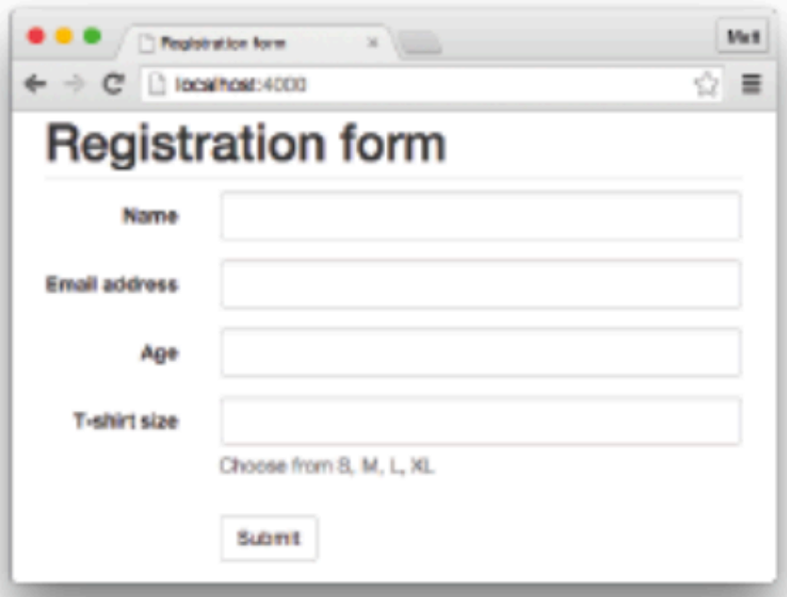
Joi + Hapi Validation

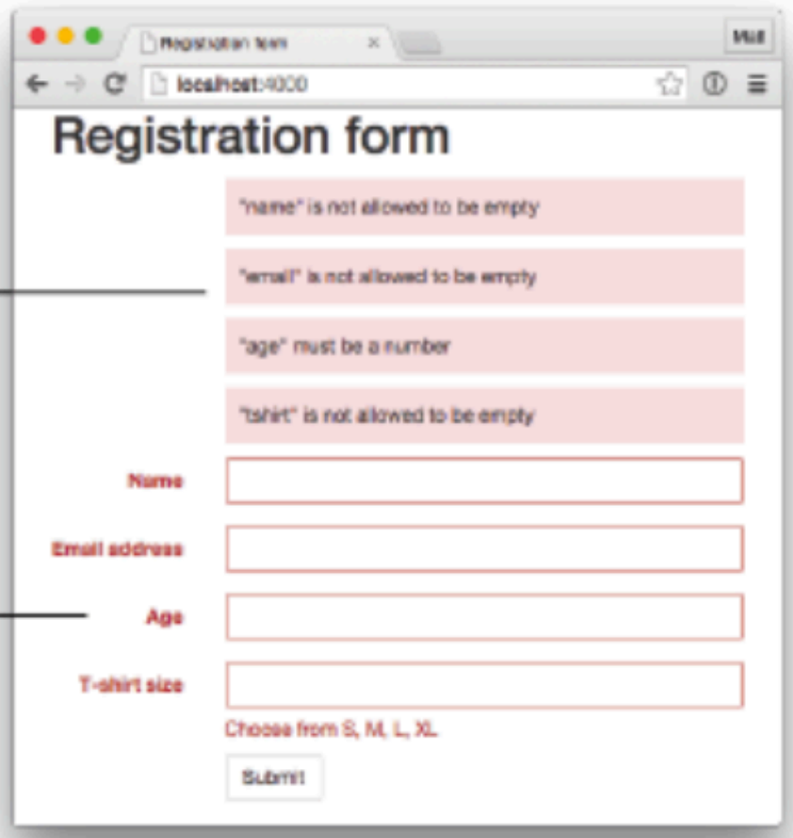
The basic form



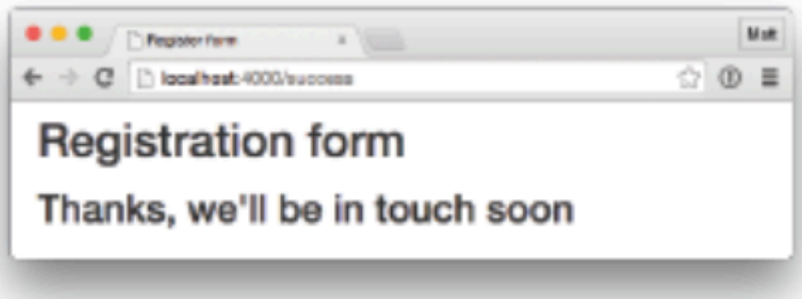
The form with errors

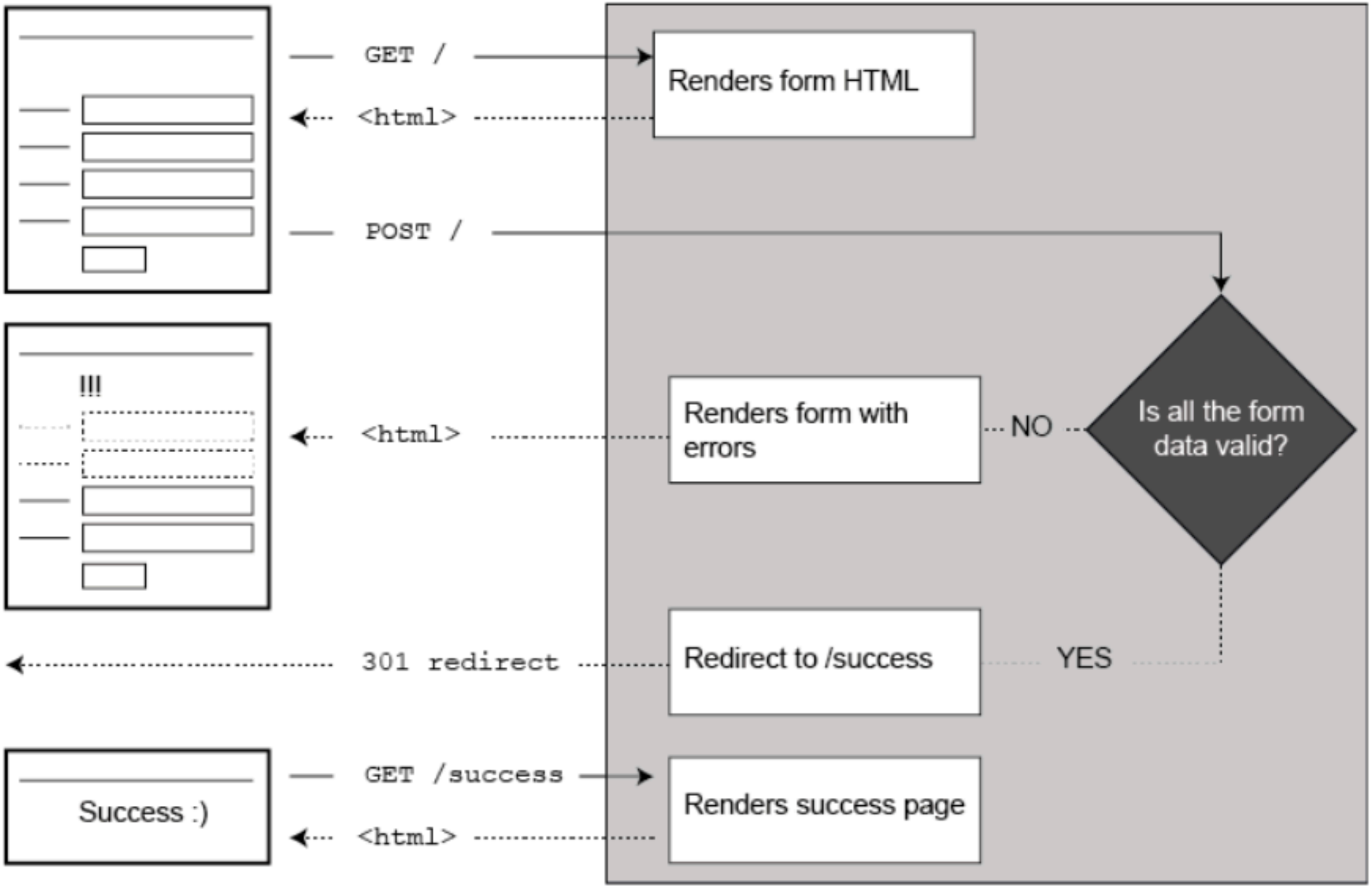
All errors are listed at the top

Fields with errors are highlighted in red



The success page




GET /
<html>
POST /
!!!
<html>
Renders form HTML
Renders form with errors
NO
Is all the form data valid?
301 redirect
Redirect to /success
YES
Success :)
GET /success
<html>
Renders success page

Donation

Signup Login

Register

First Name

First Name

Last Name

Last Name

Email

Email

Password

Submit

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

Donation

Signup Login

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

Donation

Signup Login

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

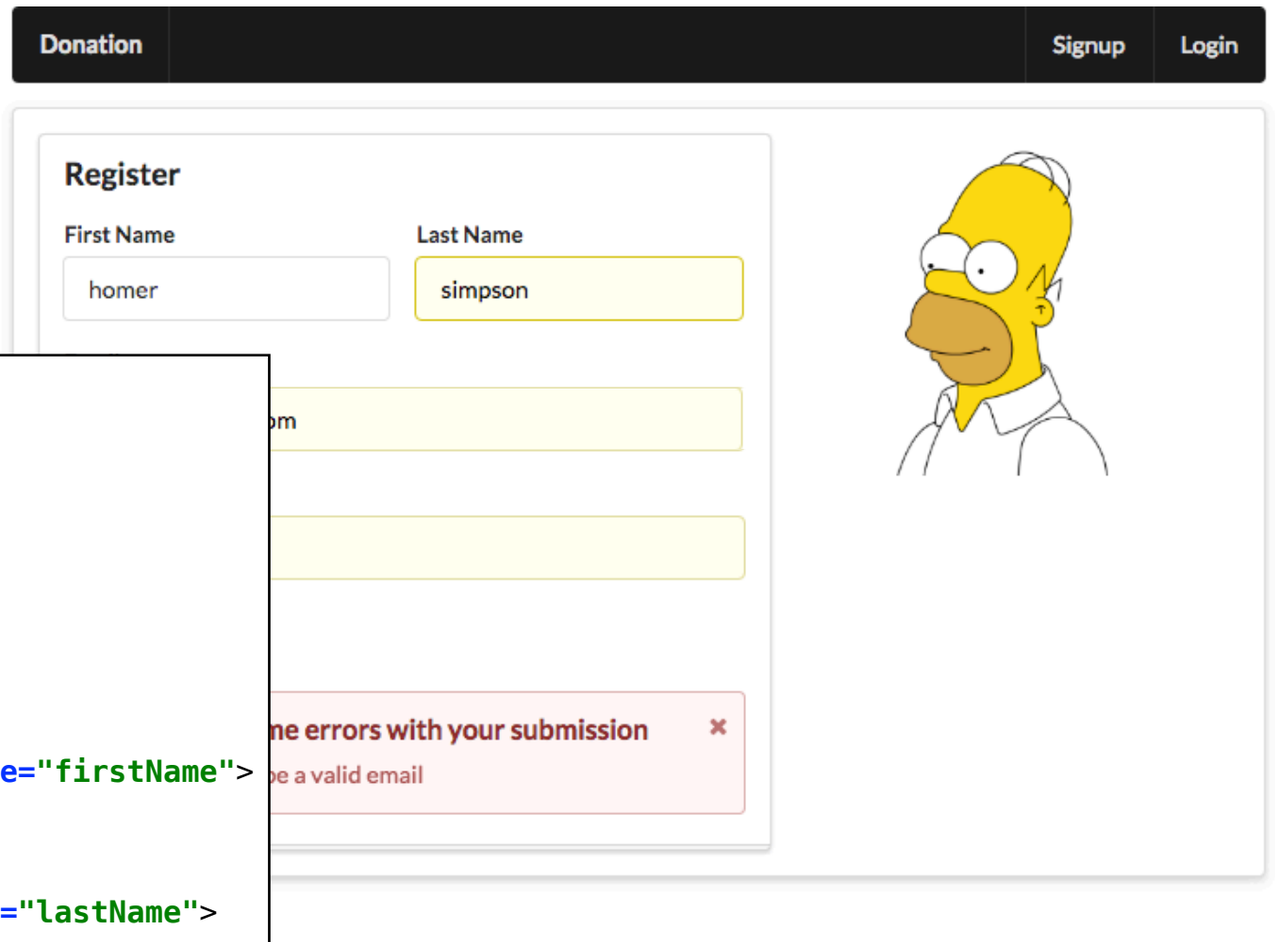
formerror.hbs

```
{{#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>
    <aside class="ui five wide column">
      <img src="images/homer3.png" class="ui medium image">
    </aside>
  </div>
</section>
```




```
{{#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('/');
    });
  },

};
```