

# SSR - Form Handling - Donate

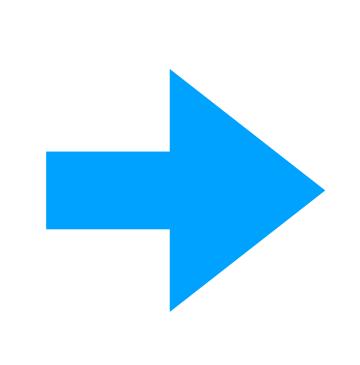
- With SSR engaged, we can incorporate form handling in a similar manner to conventional node applications (Hapi)
- i.e. the Form data can be 'Posted' to the server, and processed there.
- Specifically, this processing can include conventional cookie based session creation + tracking, replacing the store/local storage approach

- CSR (Client Side Rendering) approach
- Form button press is intercepted and handled in the browser
- Form data retrieved from the bound variables and sent to the API

```
async function donate() {
if (selectedCandidate && amount && selectedMethod) {
   const candidate = candidateList.find((candidate) => candidate._id === selectedCandidate);
  if (candidate) {
     const donation: Donation = {
      amount: amount,
      method: selectedMethod,
      candidate: selectedCandidate,
       lat: lat,
       lng: lng,
      donor: $currentSession._id
     const success = await donationService.donate(donation, get(currentSession));
     if (!success) {
      message = "Donation not completed - some error occurred";
      return;
     donation.candidate = candidate;
     donation.donor = $currentSession.name;
     latestDonation.set(donation);
     message = `Thanks! You donated ${amount} to ${candidate.firstName} ${candidate.lastName}`;
 } else {
  message = "Please select amount, method and candidate";
```

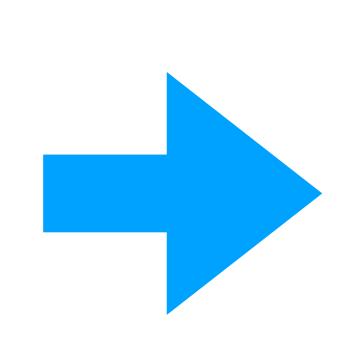
#### SSR Conversion: Client Side

- Switch to conventional HTTO POST.



#### SSR Conversion: Server Side

- Send form data to server to be processed



### Donation Action

```
export const actions = {
donate: async ({ request, cookies }) => {
  const cookieStr = cookies.get("donation-user") as string;
  if (cookieStr) {
     const session = JSON.parse(cookieStr) as Session;
    if (session) {
       const form = await request.formData();
       const donation = {
        amount: form.get("amount") as unknown as number,
        method: form.get("method") as string,
         candidate: form.get("candidate") as string,
         lat: form.get("lat") as unknown as number,
         lng: form.get("lng") as unknown as number,
        donor: session._id
       donationService.donate(donation, session);
```

- Request & Cookies passed as parameters
- Recover the session from the cookie
- Retrieve the form data
- Create a donation object
- Make the donation to the service

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## Progressive enhancement use:enhance

- use:enhance will emulate the browser-native behaviour, without the full-page reloads
- To the user the behaviour closely matches the responsiveness and interactivity of full client side form handling

