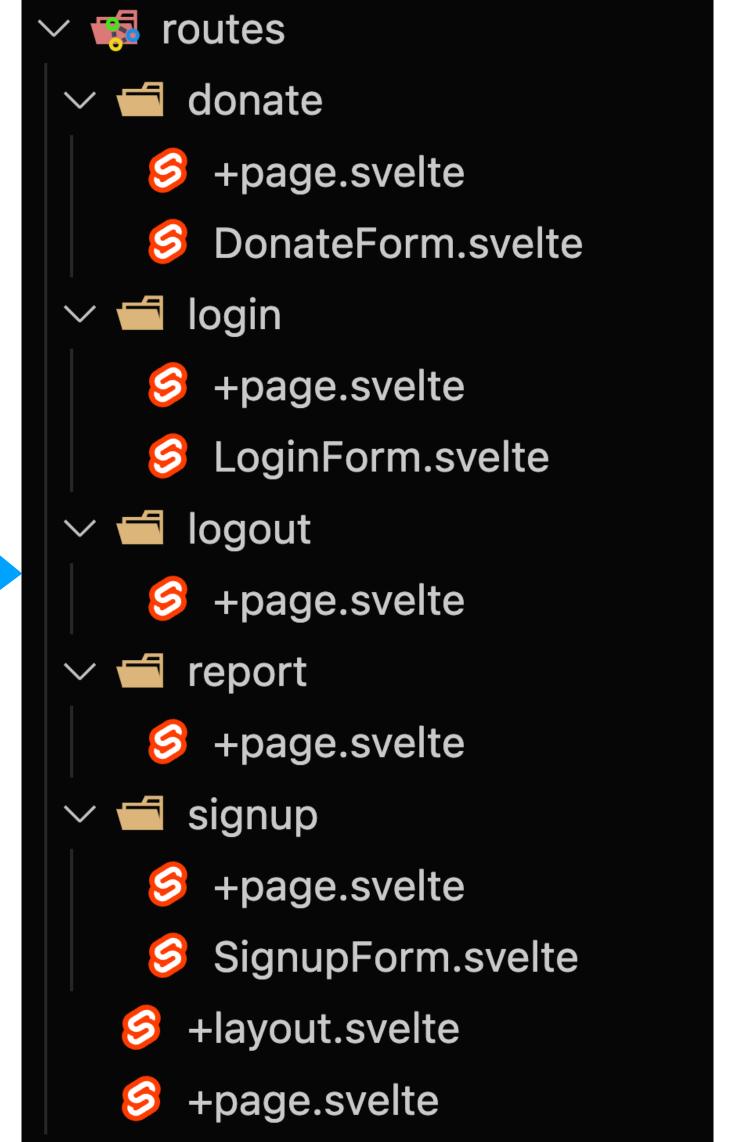


SvelteKit Web Application

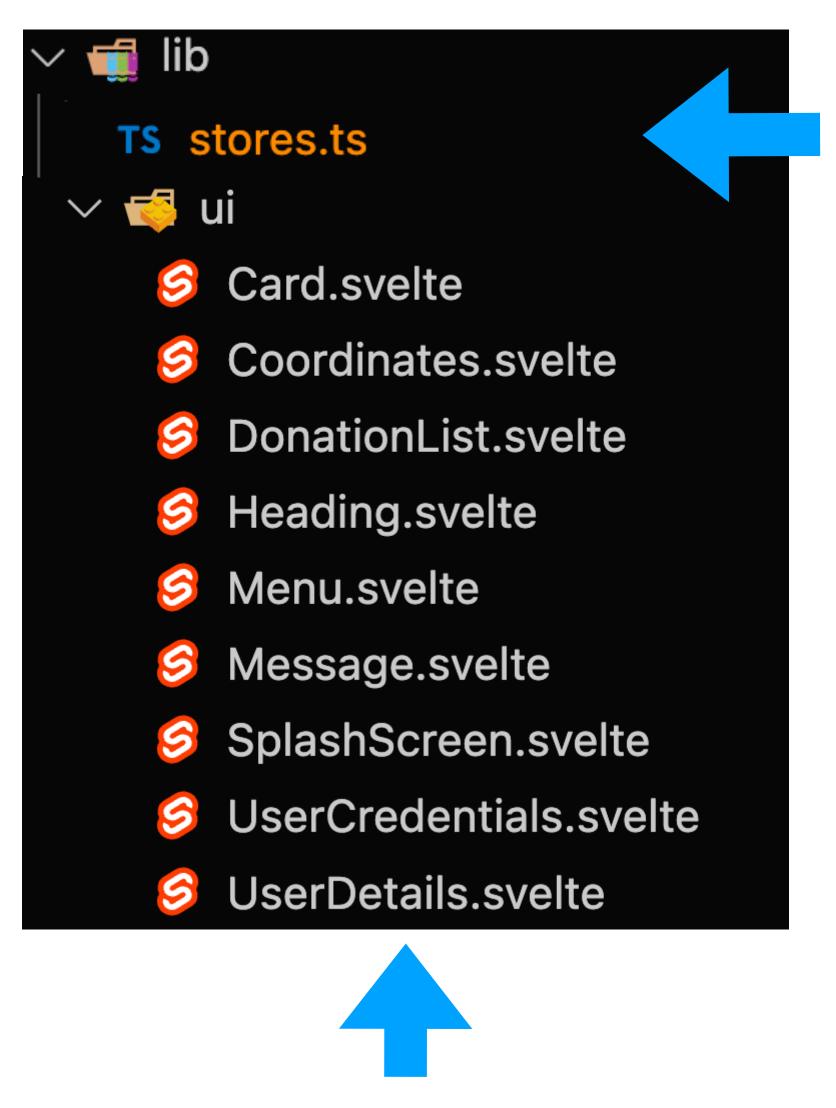


Stores/Shared

state



Routes/Views



Reusable UI Components

Report Route



430

paypal

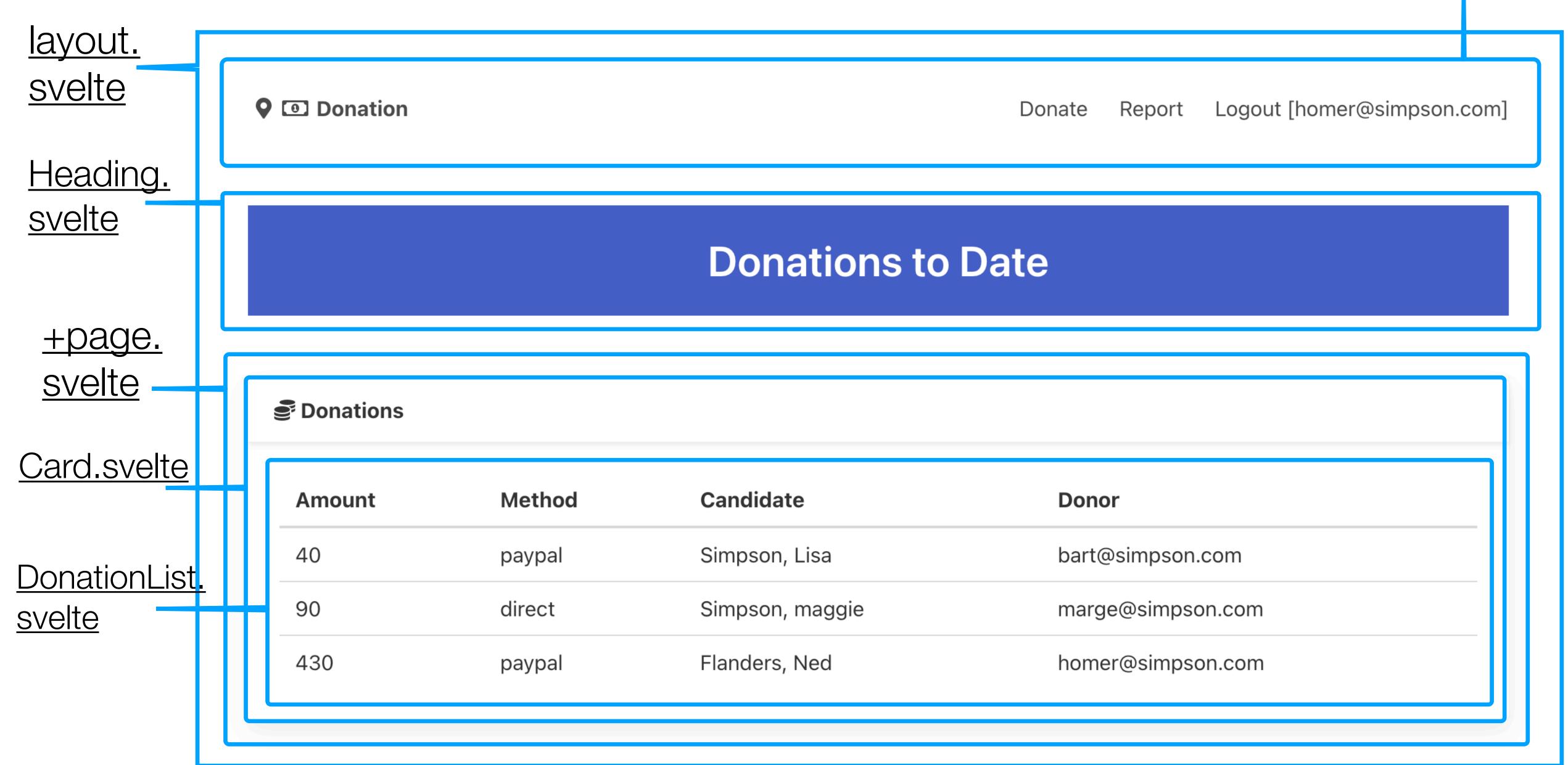
Donate Report Logout [homer@simpson.com]

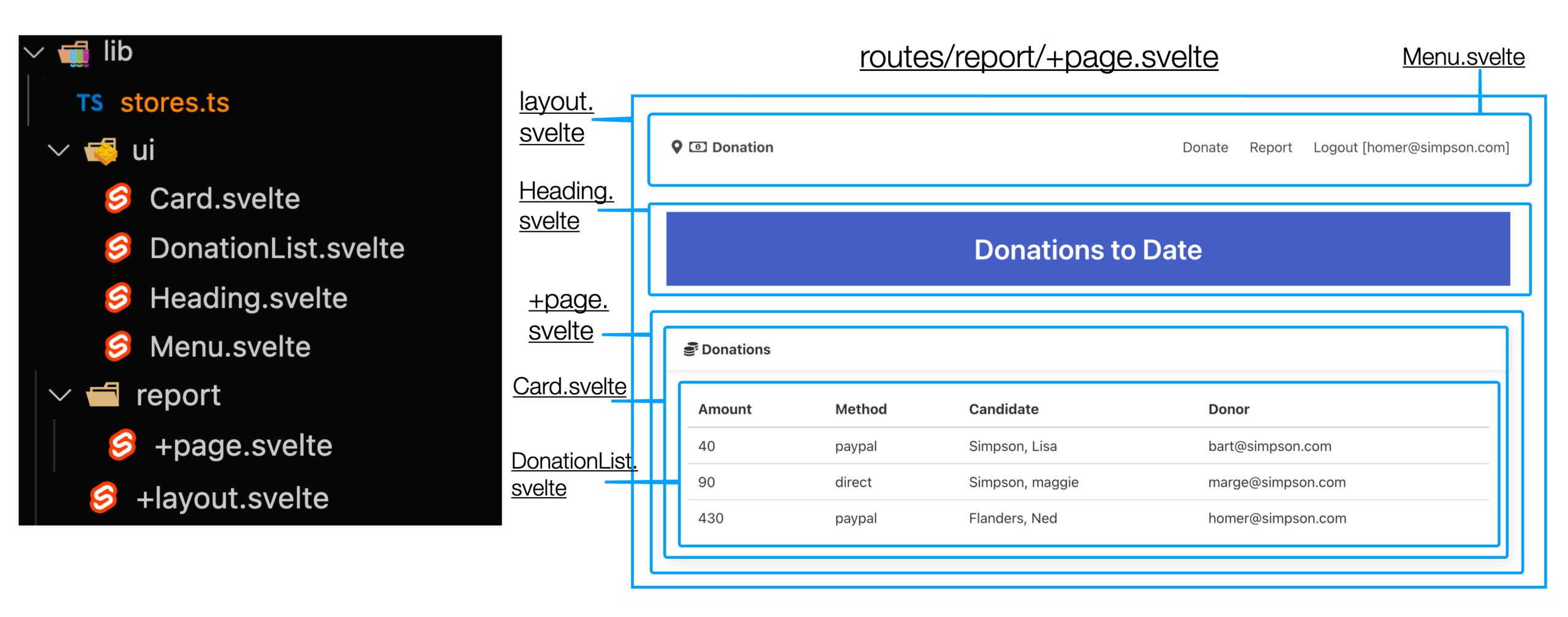
homer@simpson.com

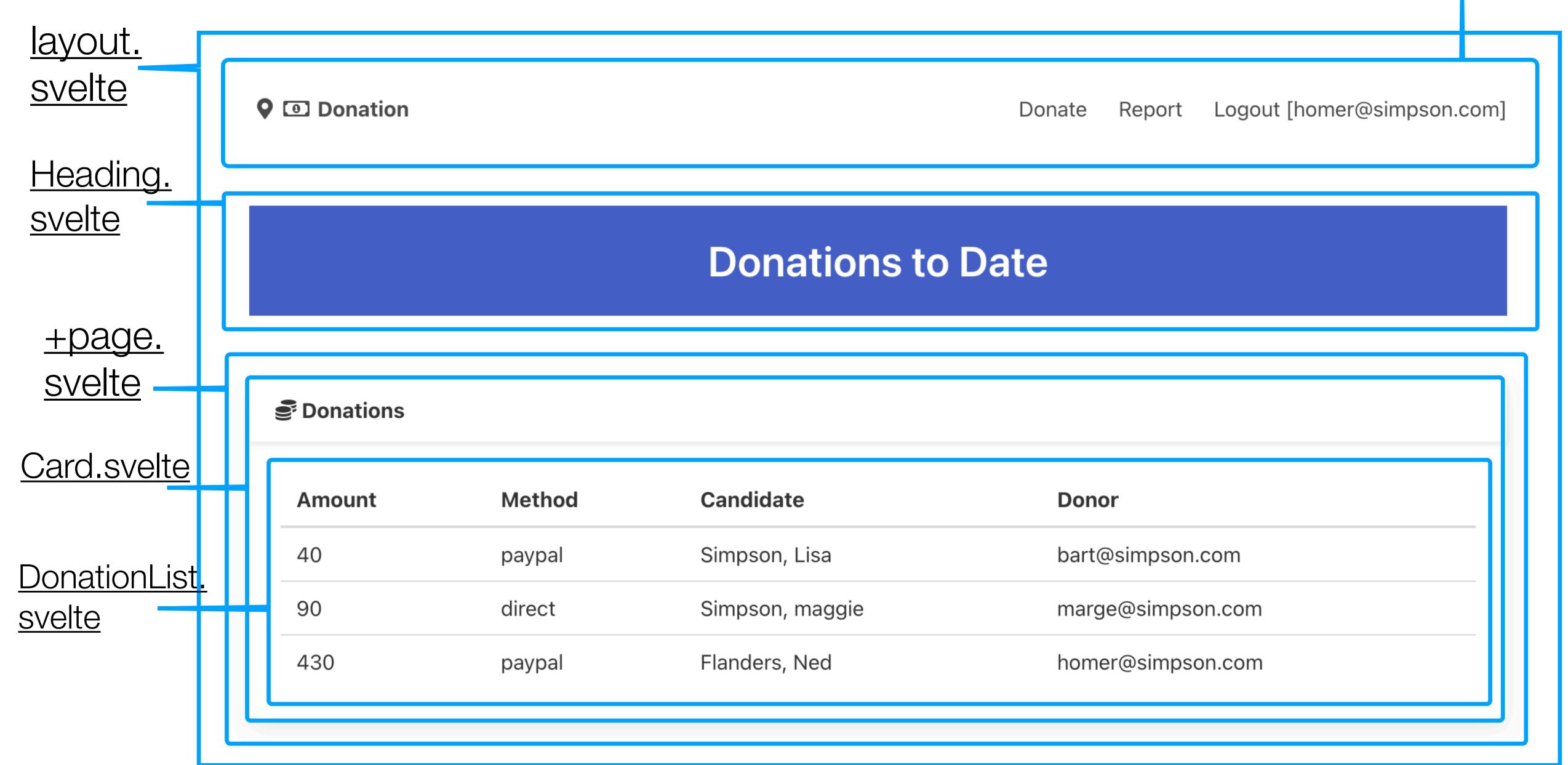
Donations to Date



Flanders, Ned







Menu.svelte

O Donation

Donate Report Logout [homer@simpson.com]

```
Q Donation
```

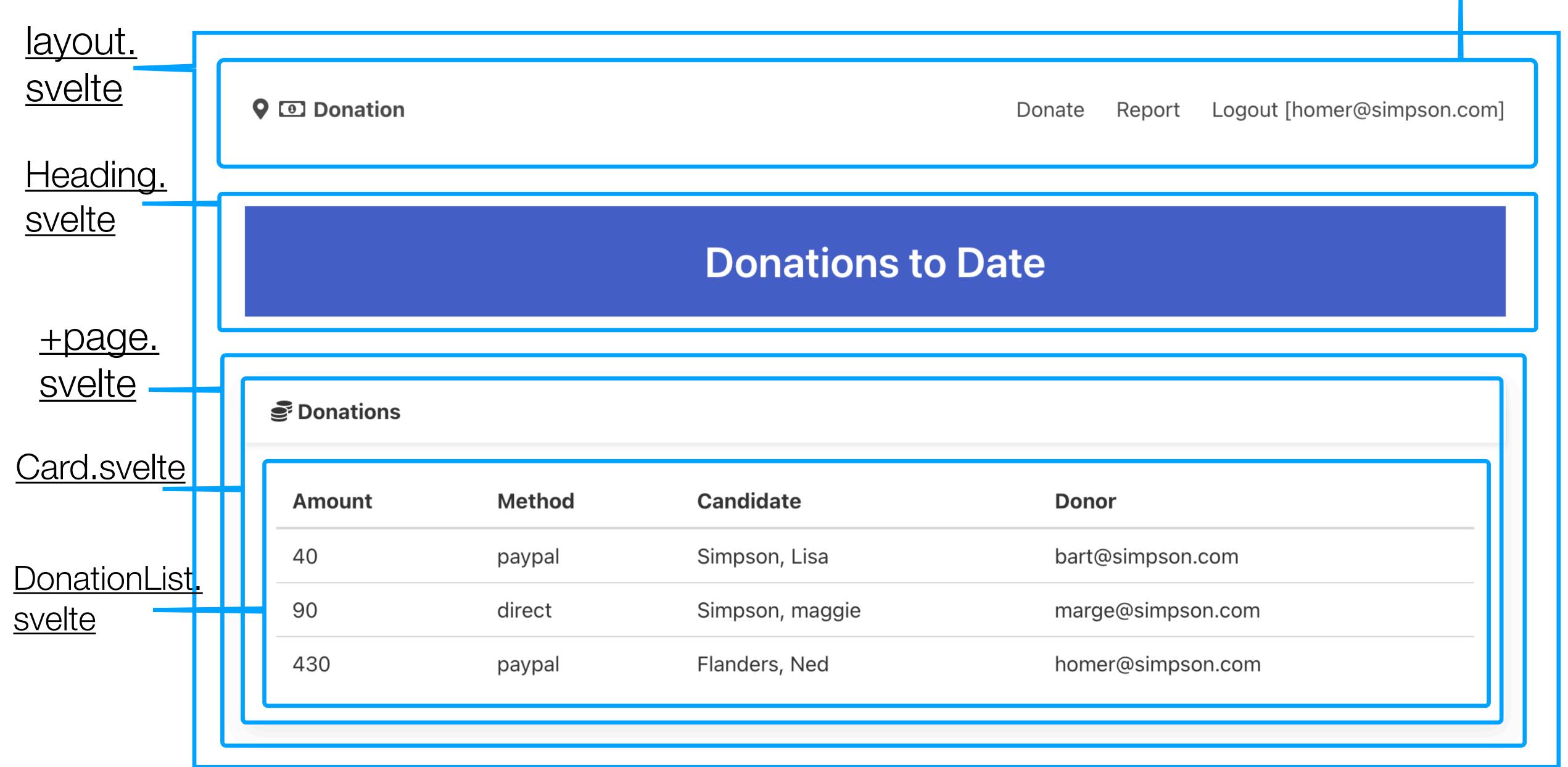
```
Import "currentSession" store
```

Place current value of store

stores.ts

```
<script lang="ts">
  import { currentSession } from "$lib/stores";
</script>
<nav class="navbar is-full-width">
  <div class="container">
    <div class="navbar-brand">
      <a class="navbar-item" href="/dashboard">
        <span class="icon"> <i class="fas fa-map-marker-alt"></i></span><span class="icon mr-1">
          <i class="far fa-money-bill-alt"></i>span><strong>Donation
          </span>
      </a>
    </div>
    <div id="navbarMenu" class="navbar-menu">
      <div class="navbar-end">
        <a class="navbar-item" href="/donate"> Donate </a>
        <a class="navbar-item" href="/report"> Report </a>
        <a class="navbar-item" href="/logout"> Logout [{$currentSession}]</a>
      </div>
      <div></div>
    </div>
  </div>
</nav>
```

export const currentSession = writable<string>();



Heading. svelte

Donations to Date

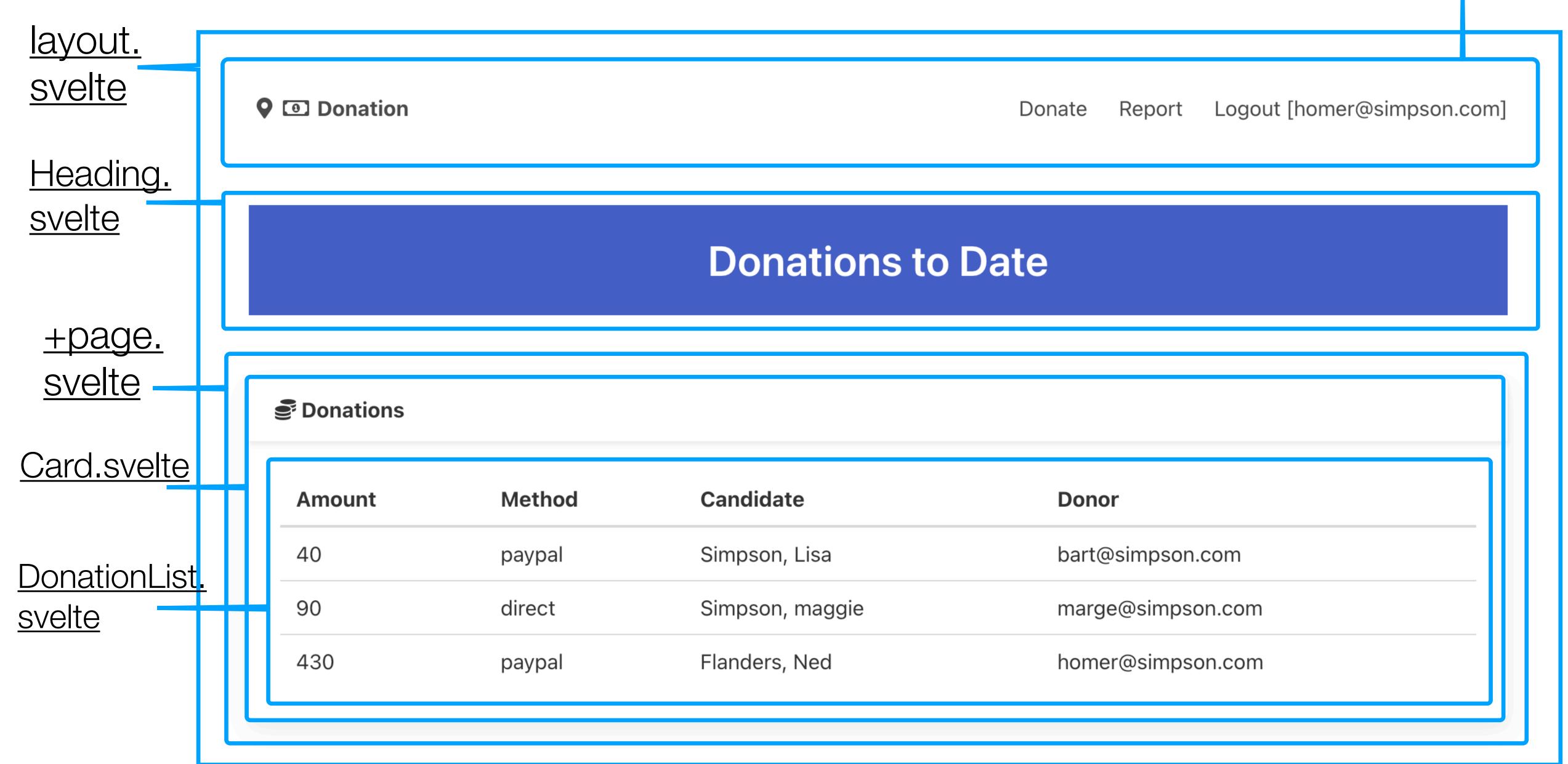
Import "subTitle" store

Place current value of store

```
<script lang="ts">
  import { subTitle } from "$lib/stores";
</script>
<section class="hero is-link is-small mt-6 mb-6">
  <div class="hero-body">
    <div class="container">
      <h1 class="title has-text-centered">
        {$subTitle}
      </h1>
    </div>
  </div>
</section>
```

stores.ts

```
export const subTitle = writable<string>();
```



DonationList. svelte

Amount	Method	Candidate	Donor
40	paypal	Simpson, Lisa	bart@simpson.com
90	direct	Simpson, maggie	marge@simpson.com
430	paypal	Flanders, Ned	homer@simpson.com

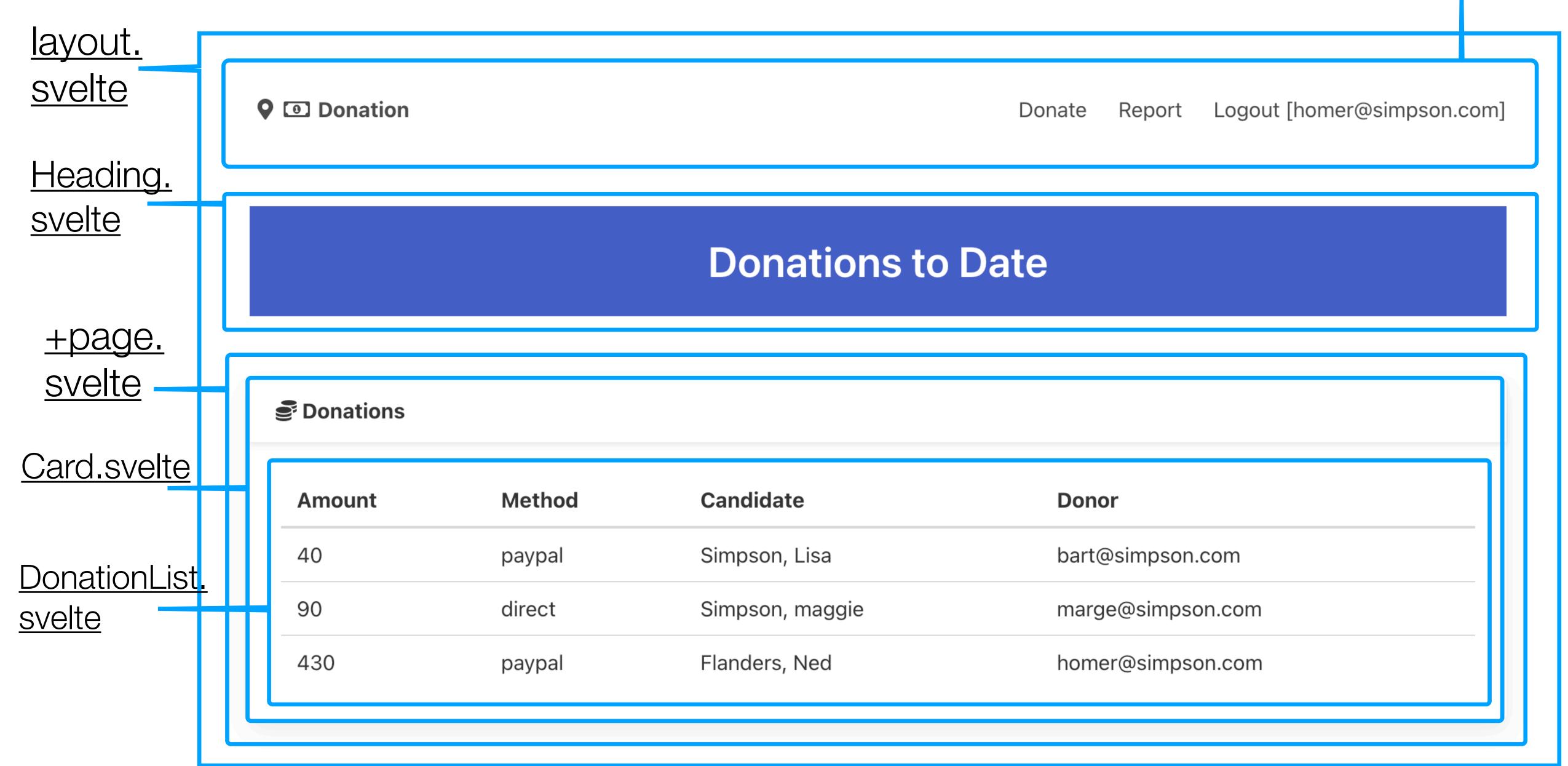
Donations				
Amount	Method	Candidate	Donor	
40	paypal	Simpson, Lisa	bart@simpson.com	
90	direct	Simpson, maggie	marge@simpson.com	
430	paypal	Flanders, Ned	homer@simpson.com	

Expect an array of donations to be passed to the component

Iterate through each donation in the array

Display each row of the table

```
<script lang="ts">
 export let donations:any = [];
</script>
<thead>
  Amount
  Method
  Candidate
  Donor
 </thead>
 {#each donations as donation}
   {donation.amount}
     {donation.method}
     {donation.candidate.lastName}, {donation.candidate.firstName}
     {donation.donor}
     {/each}
```





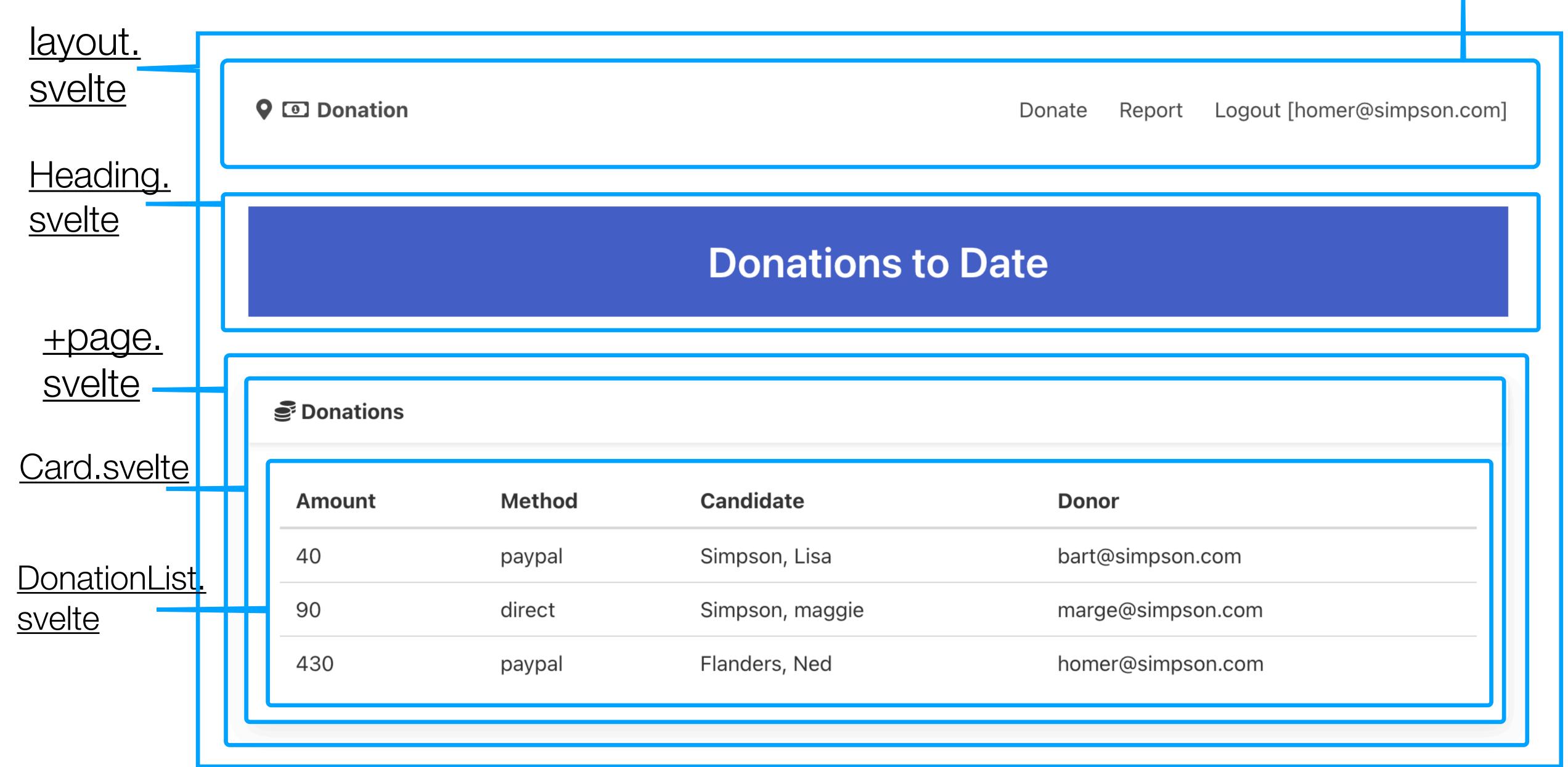
Donations					
Amount	Method	Candidate	Donor		
40	paypal	Simpson, Lisa	bart@simpson.com		
90	direct	Simpson, maggie	marge@simpson.com		
430	paypal	Flanders, Ned	homer@simpson.com		

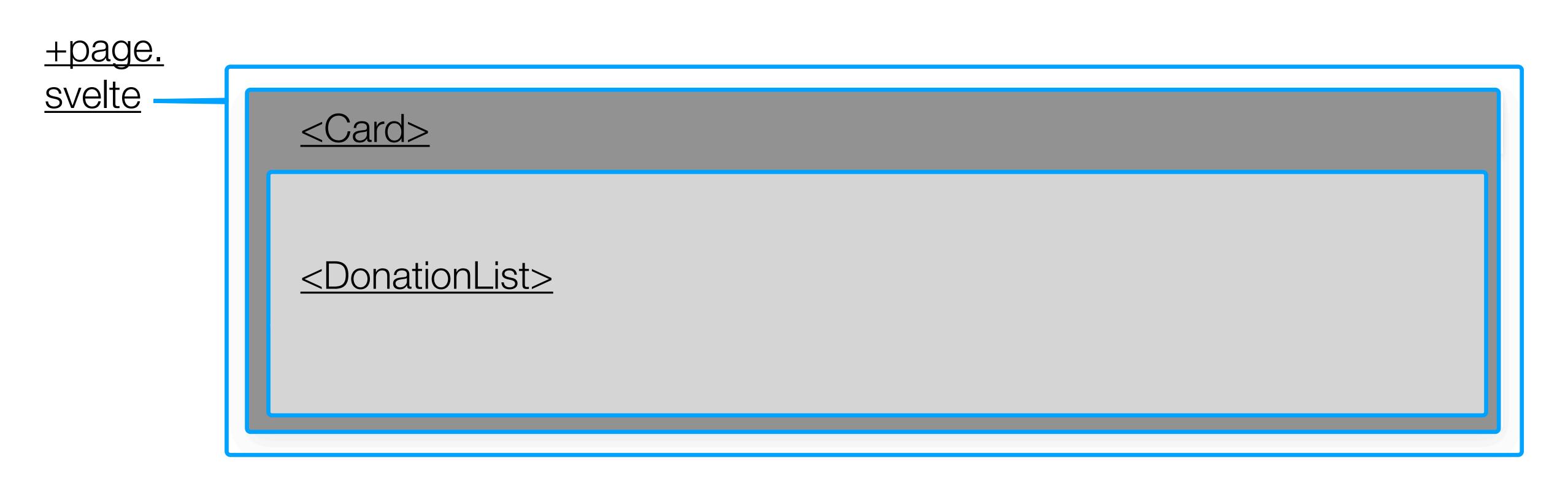
Expect 'title' property to be based to component

The Slot: Provided by the component that creates this Card component

```
<script lang="ts">
 export let title = "";
</script>
<div class="card mb-5">
 <header class="card-header">
   <span class="icon"><i class="fas fa-coins"></i></span><span>{title}</span>
   </header>
 <div class="card-content">
   <div class="content">
     <slot />
   </div>
 </div>
</div>
```

Place 'title' in element





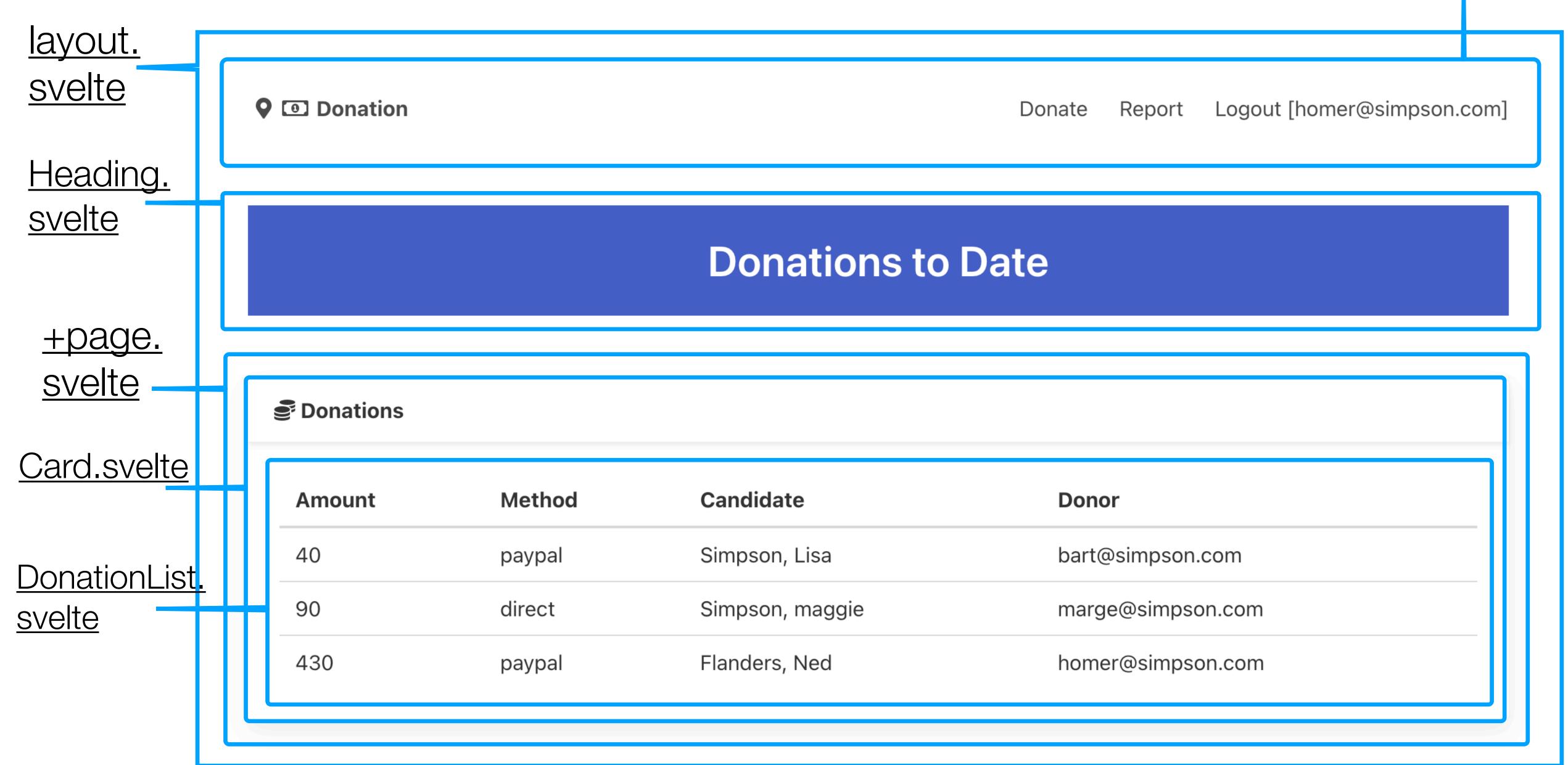
Donations					
Amount	Method	Candidate	Donor		
40	paypal	Simpson, Lisa	bart@simpson.com		
90	direct	Simpson, maggie	marge@simpson.com		
430	paypal	Flanders, Ned	homer@simpson.com		

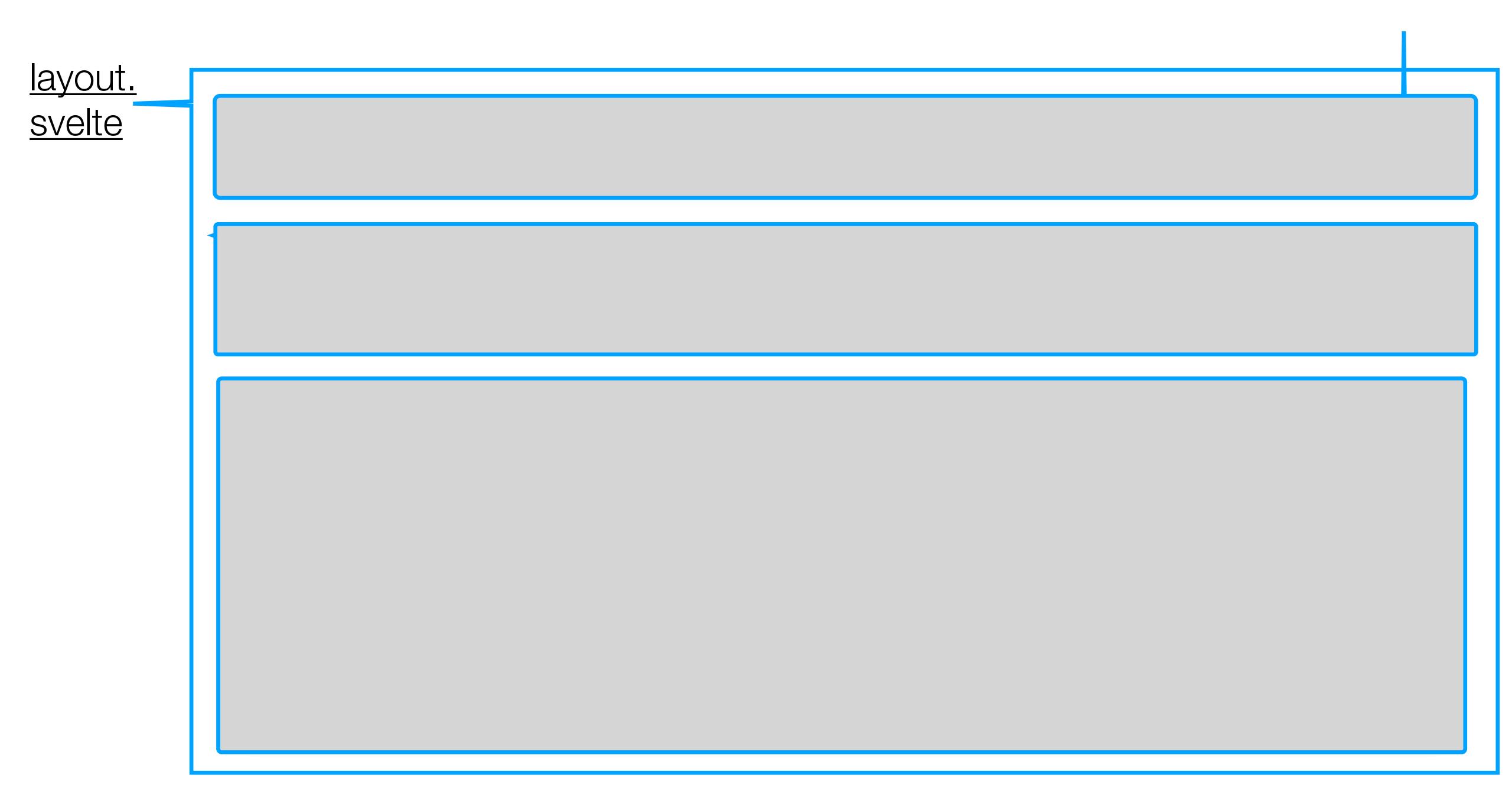
Import subTitle store - so we can set its value

Import Card and DonationList components

The Slot: provide the component to be 'slotted' into the card body

```
<script lang="ts">
 import { subTitle } from "$lib/stores";
  import Card from "$lib/ui/Card.svelte";
 import DonationList from "$lib/ui/DonationList.svelte";
 subTitle.set("Donations to Date");
</script>
<Card title="Donations">
  <DonationList />
</Card>
```

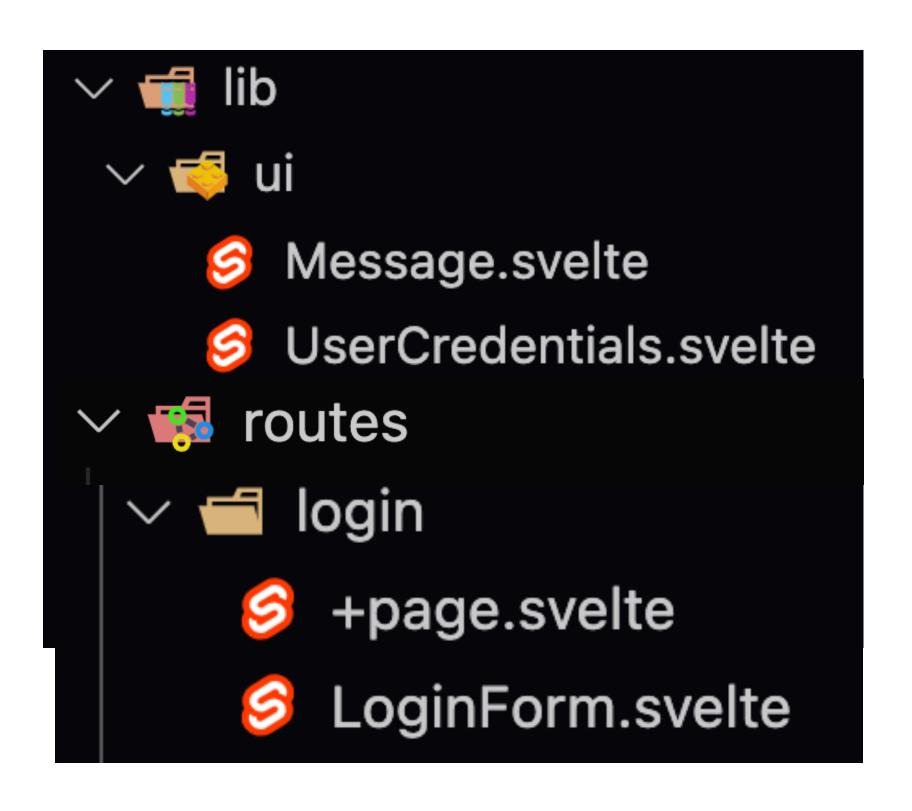




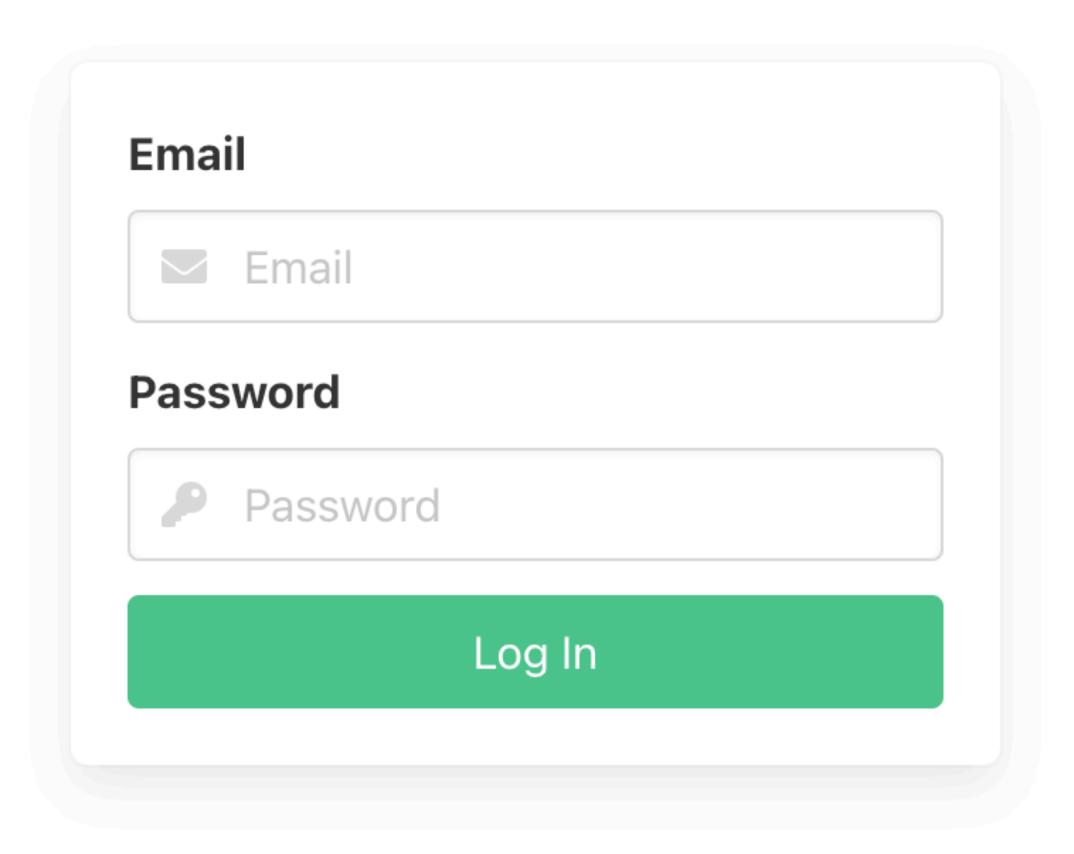
- Plays a similar role to layout.hbs in Handlebars
- Display Menu +
 Heading if we have a
 session defined
- All page content based on this layout

```
<script lang="ts">
  import { currentSession } from "$lib/stores";
  import Heading from "$lib/ui/Heading.svelte";
  import Menu from "$lib/ui/Menu.svelte";
</script>
<div class="container">
  {#if $currentSession? name}
    <Menu />
    <Heading />
  {/if}
  <slot />
</div>
```

Login Route



Login to DONATION



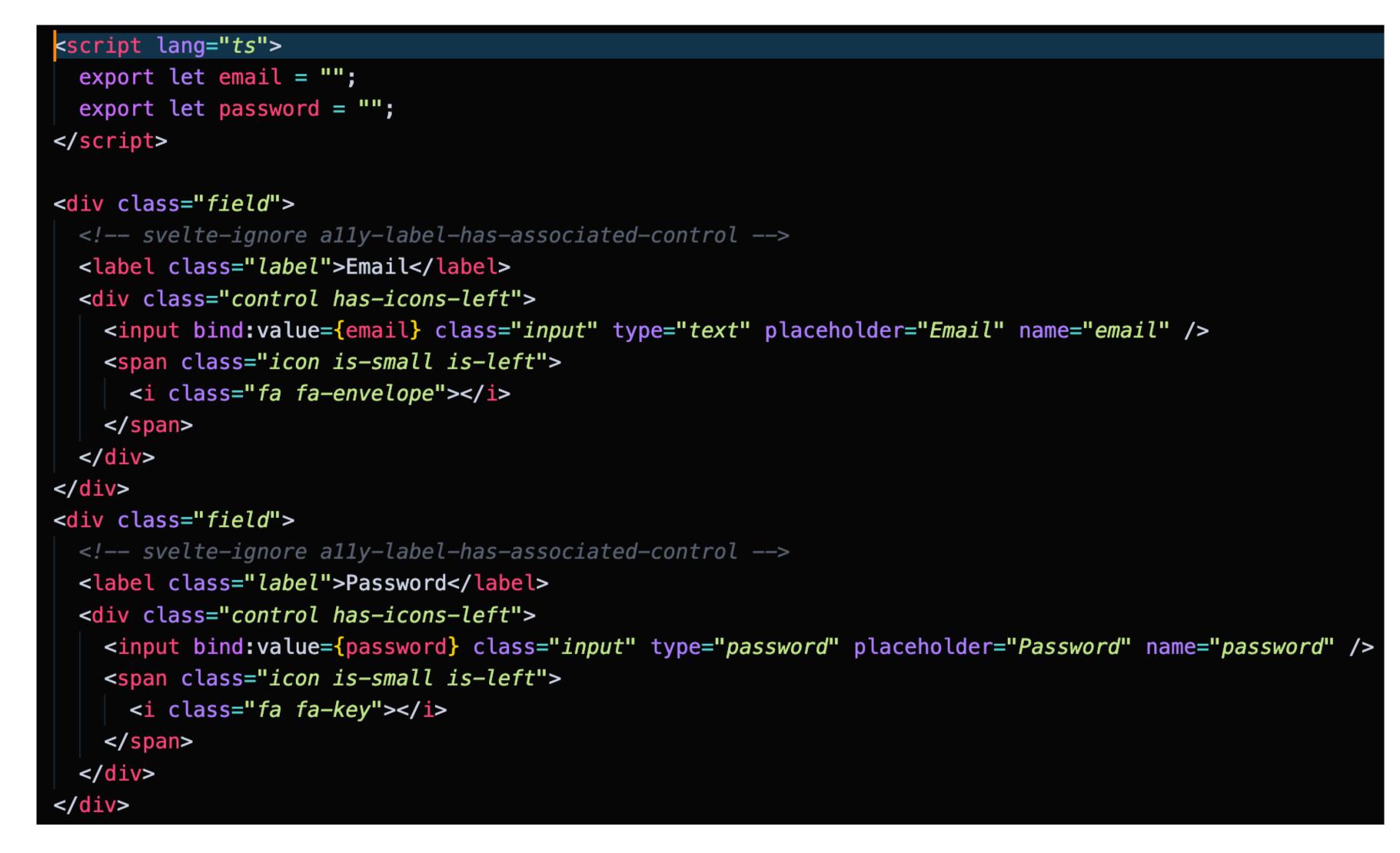
Message.svelte

- Simple message box tone displayed if authentication fails

```
<script lang="ts">
  export let message = "";
</script>

<article class="message is-danger">
  <div class="message-body">
    {message}
  </div>
</article>
```

UserCredentials.svelte



Email



Password



Password

<u>UserCredentials.svelte</u>

- Display user credentials text fields
- Input controls values bound to js variables
- Variables available as props to parent component

Email

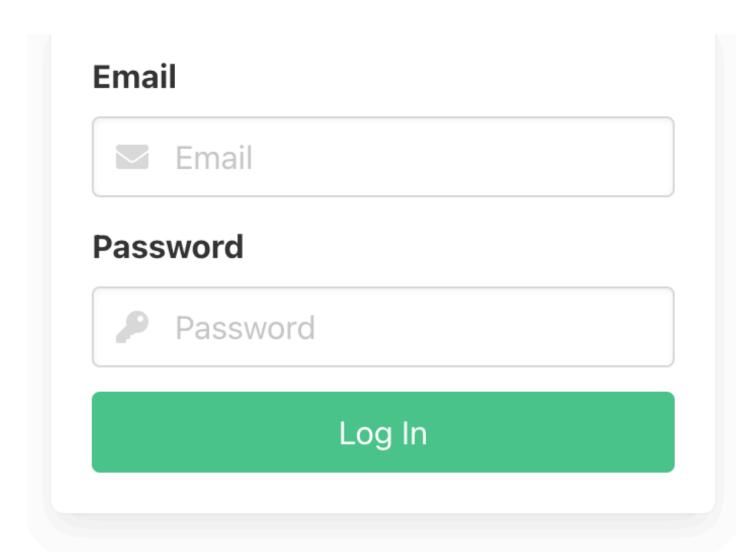


Password



```
<script lang="ts">
 export let email = "";
 export let password = "";
</script>
<div class="field">
 <!-- svelte-ignore ally-label-has-associated-control -->
 <label class="label">Email</label>
 <div class="control has-icons-left">
   <input bind:value={email} class="input" type="text" placeholder="Email" name="email" />
   <span class="icon is-small is-left">
     <i class="fa fa-envelope"></i>
   </span>
 </div>
</div>
<div class="field">
 <!-- svelte-ignore ally-label-has-associated-control -->
 <label class="label">Password</label>
 <div class="control has-icons-left">
   <input bind:value={password} class="input" type="password" placeholder="Password" name="password"</pre>
   <span class="icon is-small is-left">
     <i class="fa fa-key"></i>
   </span>
 </div>
</div>
```

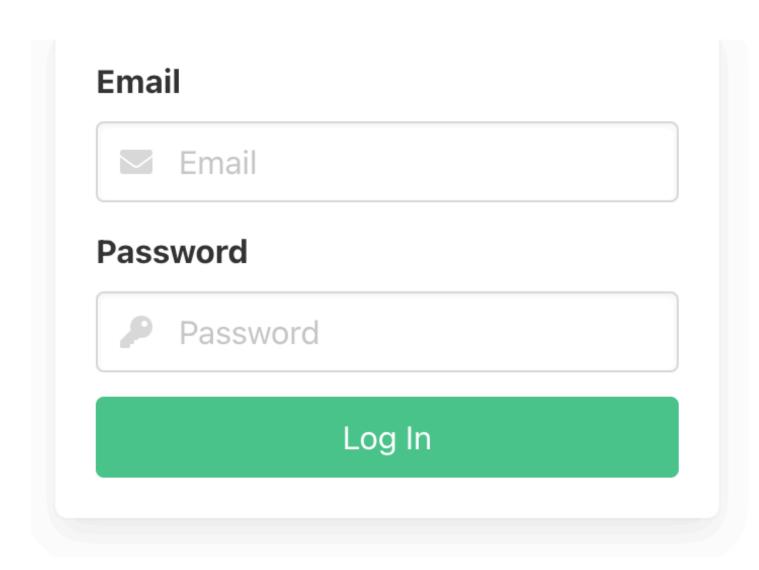
LoginForm.svelte



```
<script lang="ts">
  import { goto } from "$app/navigation";
  import { currentSession } from "$lib/stores";
  import Message from "$lib/ui/Message.svelte";
  import UserCredentials from "$lib/ui/UserCredentials.svelte";
  let email = "";
  let password = "";
  let message = "";
 async function login() {
    const success = true;
   if (success) {
     currentSession.set(email);
     goto("/donate");
   } else {
     email = "";
     password = "";
     message = "Invalid Credentials";
</script>
{#if message}
 <Message {message} />
{/if}
<form on:submit|preventDefault={login}>
 <UserCredentials bind:email bind:password />
 <button class="button is-success is-fullwidth">Log In
</form>
```

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LoginForm.svelte



- Login Event Handler: invoked when button pressed
- Variables 'email' & 'password' bound as UserCredentials props

```
<script lang="ts">
  import { goto } from "$app/navigation";
  import { currentSession } from "$lib/stores";
  import Message from "$lib/ui/Message.svelte";
  import UserCredentials from "$lib/ui/UserCredentials.svelte";
  let email = "";
  let password = "";
  let message = "";
  async function login() {
    const success = true;
    if (success) {
      currentSession.set(email);
      goto("/donate");
      else {
      email = "";
      password = "";
      message = "Invalid Credentials";
</script>
 {#if message}
  <Message {message} />
{/if}
<form on:submit|preventDefault={login}>
  <UserCredentials bind:email bind:password />
  <button class="button is-success is-fullwidth">Log In
</form>
```

LoginForm.svelte

- Hard code 'success' to true
- Goto forces SvelteKit router to load "/donate" route

```
<script lang="ts">
  import { goto } from "$app/navigation";
  import { currentSession } from "$lib/stores";
  import Message from "$lib/ui/Message.svelte";
  import UserCredentials from "$lib/ui/UserCredentials.svelte";
  let email = "";
  let password = "";
  let message = "";
  async function login() {
   const success = true;
    if (success) {
      currentSession.set(email);
      goto("/donate");
     else {
      email = "";
      password = "";
     message = "Invalid Credentials";
</script>
{#if message}
 <Message {message} />
{/if}
<form on:submit|preventDefault={login}>
 <UserCredentials bind:email bind:password />
 <button class="button is-success is-fullwidth">Log In
</form>
```

