

Aurelia Components
















Aurelia Components



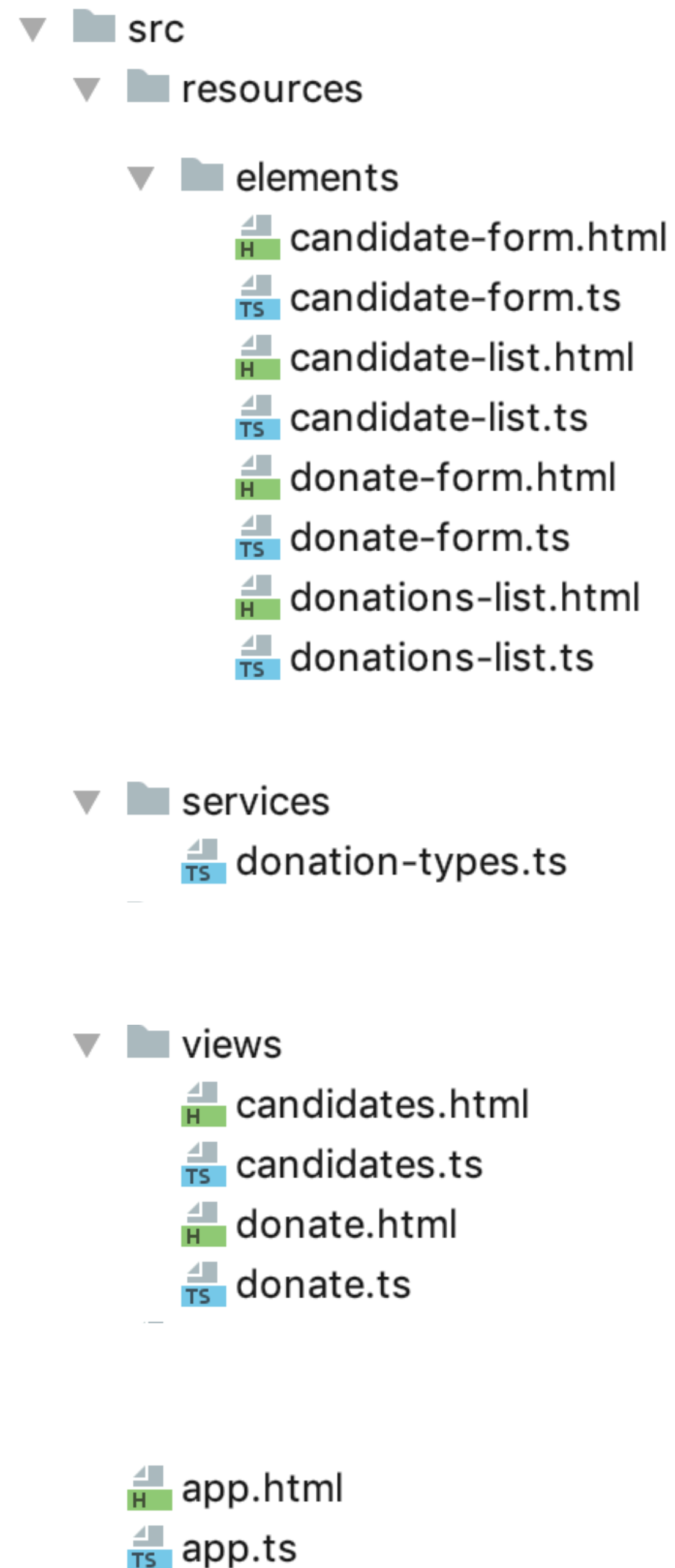
Core Aurelia components:
Main, Services, Views &
Custom Elements

- ▼ src
 - ▼ resources
 - attributes
 - binding-behaviors
 - ▼ elements
 - candidate-form.html
 - candidate-form.ts
 - candidate-list.html
 - candidate-list.ts
 - donate-form.html
 - donate-form.ts
 - donations-list.html
 - donations-list.ts
 - value-converters
 - index.ts
 - ▼ services
 - donation-types.ts
 - ▼ views
 - candidates.html
 - candidates.ts
 - donate.html
 - donate.ts
 - app.html
 - app.ts
 - environment.ts
 - main.ts

Application Components

- ▼ src
 - ▼ resources
 - ▼ elements
 -  candidate-form.html
 -  candidate-form.ts
 -  candidate-list.html
 -  candidate-list.ts
 -  donate-form.html
 -  donate-form.ts
 -  donations-list.html
 -  donations-list.ts
 - ▼ services
 -  donation-types.ts
 - ▼ views
 -  candidates.html
 -  candidates.ts
 -  donate.html
 -  donate.ts
-  app.html
-  app.ts

Application Components



Custom Elements

Services

Views

Main

Application Components

▼ src
▼ resources

▼ elements

candidate-form.html
candidate-form.ts
candidate-list.html
candidate-list.ts
donate-form.html
donate-form.ts
donations-list.html
donations-list.ts

Custom Elements

▼ services

donation-types.ts

Services

▼ views

candidates.html
candidates.ts
donate.html
donate.ts

Views

app.html

app.ts

Main

Application Components

▼ src
▼ resources

▼ elements

candidate-form.html
candidate-form.ts
candidate-list.html
candidate-list.ts
donate-form.html
donate-form.ts
donations-list.html
donations-list.ts

- candidate-form
- donate-form
- candidate-list
- donate-list

Custom Elements

▼ services

donation-types.ts

- Candidate

Services

▼ views

candidates.html
candidates.ts
donate.html
donate.ts

- candidates
- donate

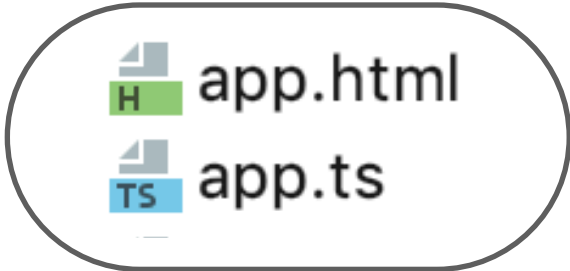
Views

app.html
app.ts

- app

Main

Main



Donation

Make a Donation

Amount

6

Donate

Add a Candidate

First Name

marge

Last Name

Simpson

Office

President

Add

Donations to Date

Amount
4
6

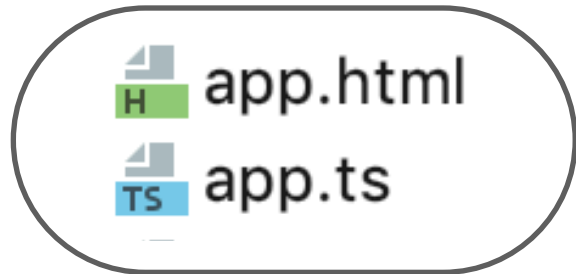
Candidates

last Name	First Name	Office
Simpson	Homer	President
Simpson	marge	President

Main

app.ts

app.html



```
export class App {  
}
```

```
<template>  
  <require from="views/candidates"></require>  
  <require from="views/donate"></require>  
  
  <div class="ui container">  
    <section class="ui raised segment">  
      <h3 class="ui header"> Donation </h3>  
    </section>  
    <div class="ui basic segment">  
      <donate></donate>  
      <candidates></candidates>  
    </div>  
  </div>  
</template>
```

Donation

Make a Donation

Amount

Donate

Donations to Date

Amount
4
6

Add a Candidate

First Name

Last Name

Office

Add

Candidates

last Name	First Name	Office
Simpson	Homer	President
Simpson	marge	President

Donation

Make a Donation

Amount

6

Donate

Add a Candidate

First Name

marge

Last Name

Simpson

Office

President

Add

Donations to Date

Amount

4

6

Candidates

last Name	First Name	Office
Simpson	Homer	President
Simpson	marge	President

```
<template>
  <require from="views/candidates"></require>
  <require from="views/donate"></require>

  <div class="ui container">
    <section class="ui raised segment">
      <h3 class="ui header"> Donation </h3>
    </section>
    <div class="ui basic segment">
      <donate></donate>
      <candidates></candidates>
    </div>
  </div>
</template>
```

Donation

Make a Donation

Amount

6

Donate

Donations to Date

Amount
4
6

```
<template>
  <require from="views/candidates"></require>
  <require from="views/donate"></require>

  <div class="ui container">
    <section class="ui raised segment">
      <h3 class="ui header"> Donation </h3>
    </section>
    <div class="ui basic segment">
      <donate></donate>
      <candidates></candidates>
    </div>
  </div>
</template>
```

Add a Candidate

First Name

marge

Last Name

Simpson

Office

President

Add

Candidates

last Name	First Name	Office
Simpson	Homer	President
Simpson	marge	President

```
<template>
<require from="views/candidates"></require>
<require from="views/donate"></require>

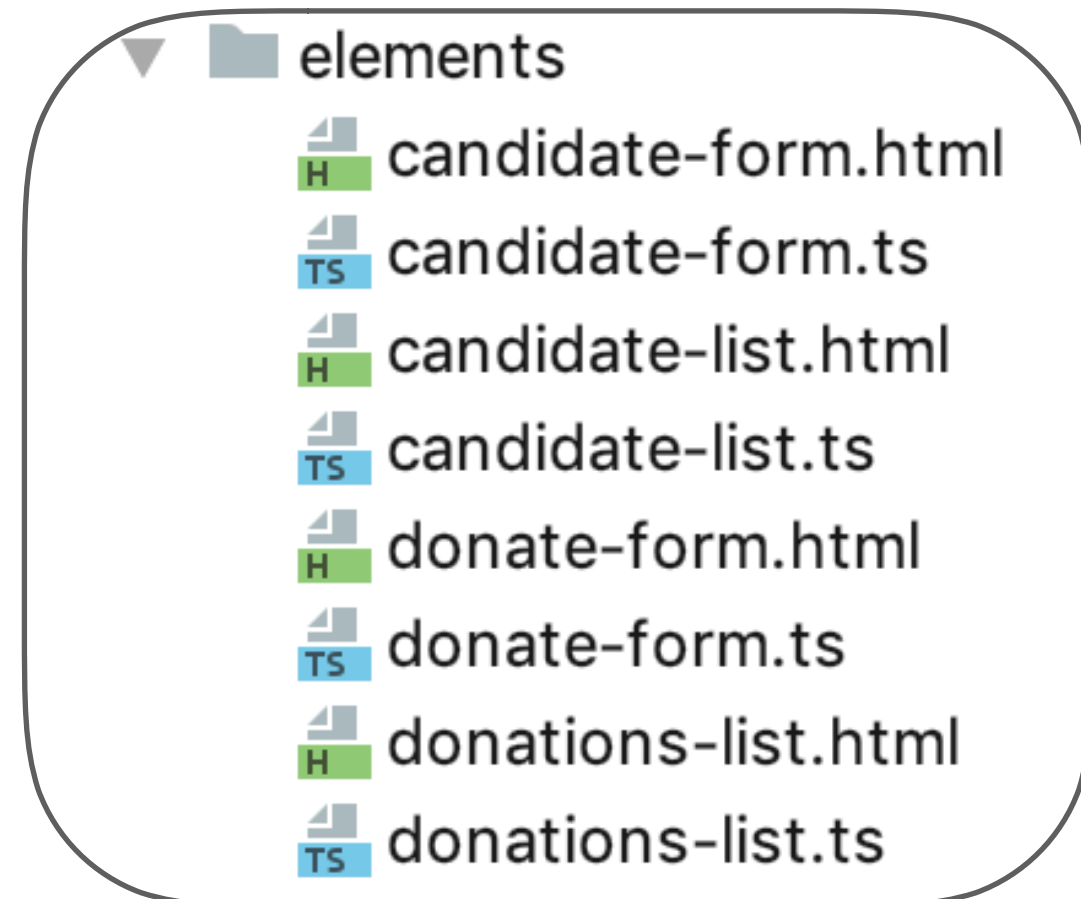
<div class="ui container">
  <section class="ui raised segment">
    <h3 class="ui header"> Donation </h3>
  </section>
  <div class="ui basic segment">
    <donate></donate>
    <candidates></candidates>
  </div>
</div>
</template>
```

Services

▼ services
 donation-types.ts

```
export interface Candidate {  
  firstName: string;  
  lastName: string;  
  office: string;  
}
```

Custom Elements



candidate-form

```
import { bindable } from 'aurelia-framework';
import { Candidate } from '../services/donation-types';

export class CandidateForm {
  firstName: string;
  lastName: string;
  office: string;
  @bindable
  candidates: Candidate[];

  addCandidate() {
    const candidate = {
      firstName: this.firstName,
      lastName: this.lastName,
      office: this.office
    };
    this.candidates.push(candidate);
    console.log(candidate);
  }
}
```

```
<template>
  <form submit.trigger="addCandidate()" class="ui form stacked segment">
    <h3 class="ui dividing header"> Add a Candidate </h3>
    <div class="field">
      <label>First Name </label> <input value.bind="firstName">
    </div>
    <div class="field">
      <label>Last Name </label> <input value.bind="lastName">
    </div>
    <div class="field">
      <label>Office </label> <input value.bind="office">
    </div>
    <button class="ui blue submit button">Add</button>
  </form>
</template>
```

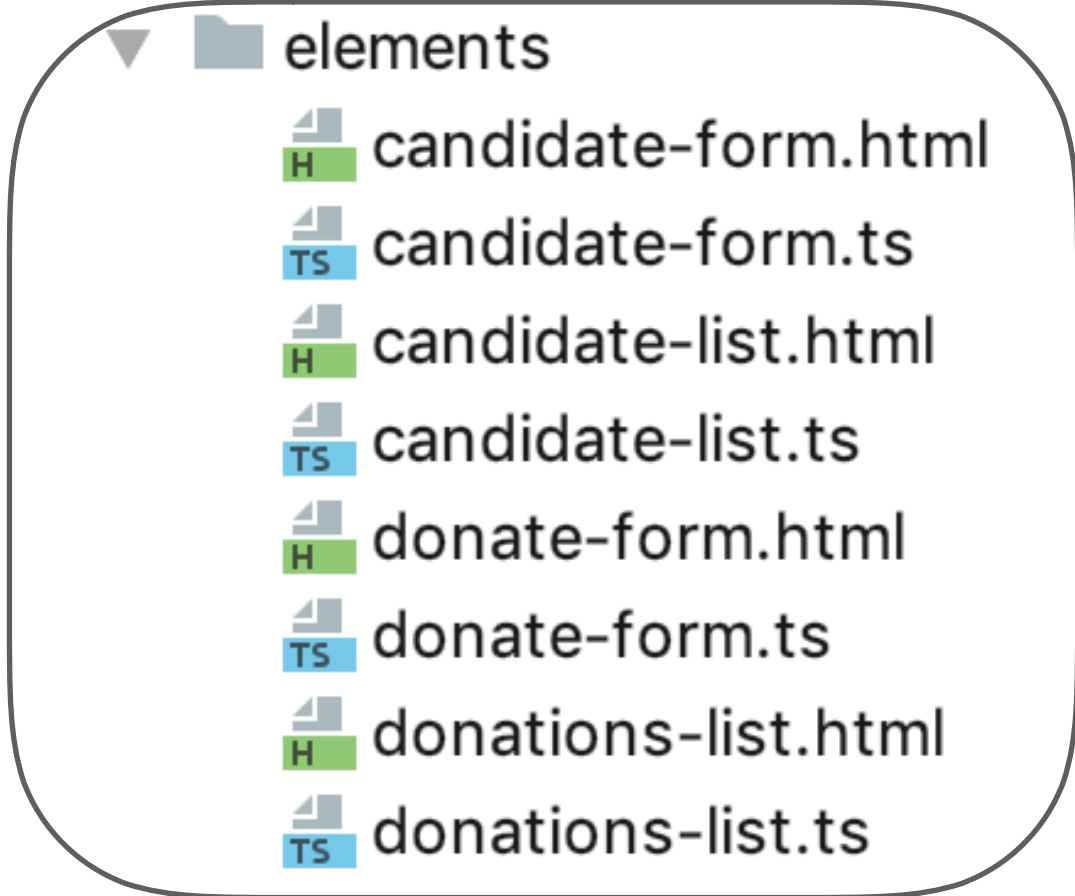
Add a Candidate

First Name

Last Name

Office

Custom Elements



candidate-list

Candidates

last Name	First Name	Office
Simpson	Homer	President
Simpson	marge	President

```
import { bindable } from 'aurelia-framework';
import { Candidate } from '../services/donation-types';

export class CandidateList {
  @bindable
  candidates: Candidate[];
}
```

```
<template>
  <h4 class="ui dividing header"> Candidates </h4>
  <table class="ui celled table segment">
    <thead>
      <tr>
        <th>last Name</th>
        <th>First Name</th>
        <th>Office</th>
      </tr>
    </thead>
    <tbody>
      <tr repeat.for="candidate of candidates">
        <td>
          ${candidate.lastName}
        <td>
          ${candidate.firstName}
        </td>
        <td>
          ${candidate.office}
        </td>
      </tr>
    </tbody>
  </table>
</template>
```

Custom Elements



donations-form

Donation

Make a Donation

Amount

6

Donate

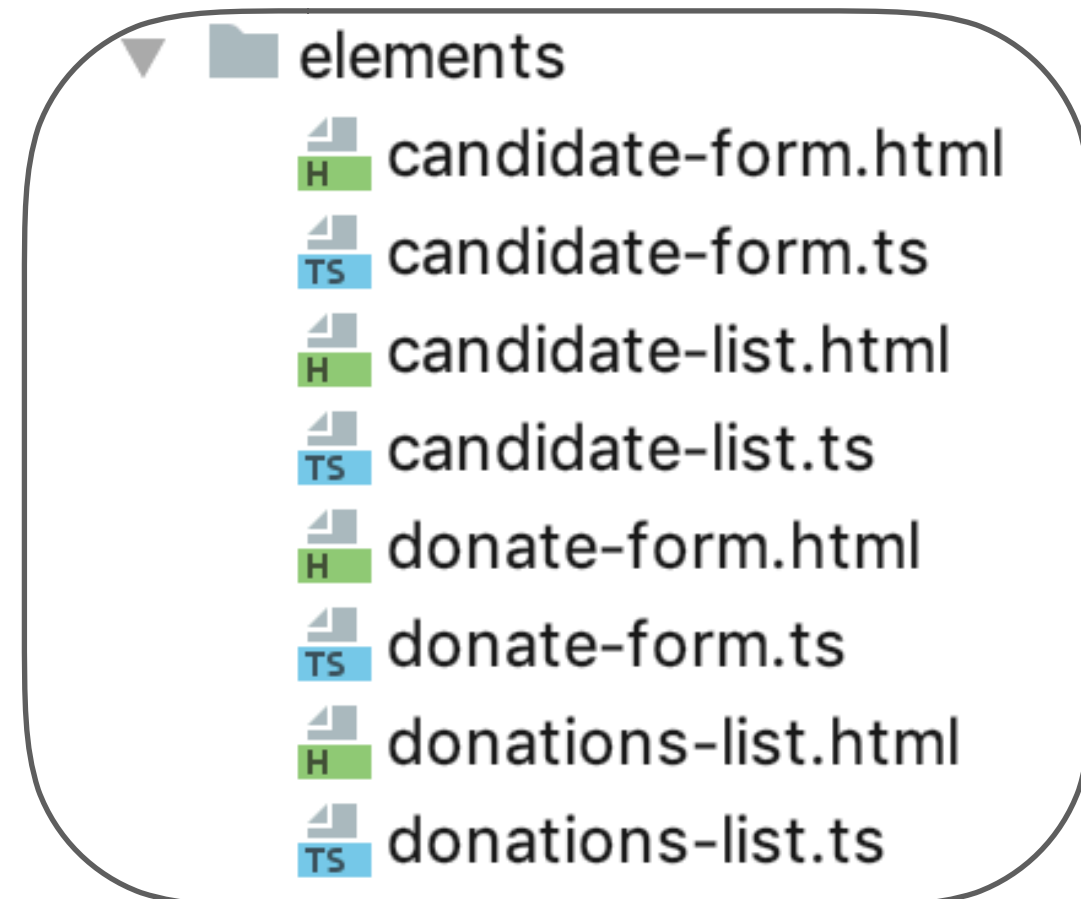
```
import { bindable } from 'aurelia-framework';

export class DonateForm {
  amount = '0';
  @bindable
  donations: number[] = [];

  makeDonation() {
    this.donations.push(parseInt(this.amount));
    console.log(this.donations);
  }
}
```

```
<template>
  <form submit.trigger="makeDonation()" class="ui form stacked segment">
    <h3 class='ui dividing header'> Make a Donation </h3>
    <div class="grouped inline fields">
      <div class="field">
        <label>Amount</label> <input type="number" value.bind="amount">
      </div>
    </div>
    <button class="ui blue submit button">Donate</button>
  </form>
</template>
```


Custom Elements



donations-list

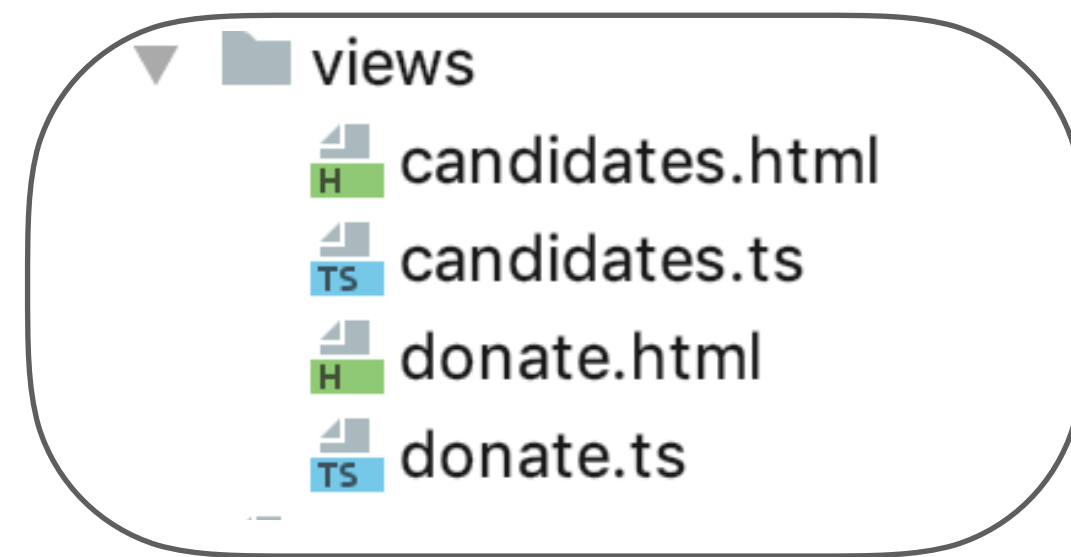
Donations to Date	
Amount	
4	
6	

```
import { bindable } from 'aurelia-framework';

export class DonationsList {
  @bindable
  donations : number[];
}
```

```
<template>
  <div class="ui stacked segment">
    <h3 class="ui dividing header"> Donations to Date </h3>
    <table class="ui celled table segment">
      <thead>
        <tr>
          <th>Amount</th>
        </tr>
      </thead>
      <tbody>
        <tr repeat.for="donation of donations">
          <td> ${donation}</td>
        </tr>
      </tbody>
    </table>
  </div>
</template>
```

Views



```
import { Candidate } from '../services/donation-types';

export class Candidates {
  candidates: Candidate[] = [];
}
```

candidates

Add a Candidate

First Name

marge

Last Name

Simpson

Office

President

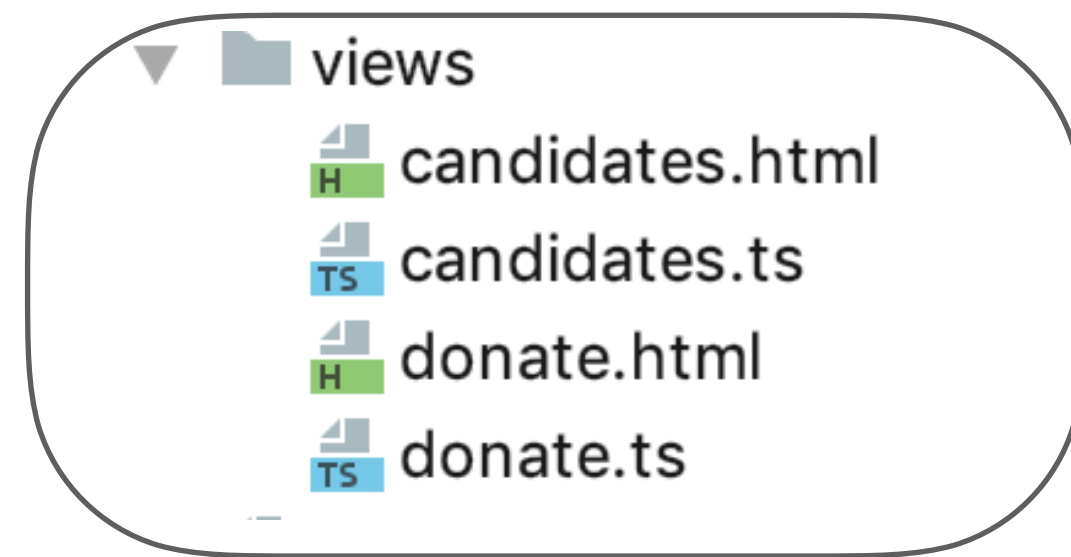
Add

Candidates		
last Name	First Name	Office
Simpson	Homer	President
Simpson	marge	President

```
<template>
  <require from="../resources/elements/candidate-form"></require>
  <require from="../resources/elements/candidate-list"></require>

  <div class="ui stackable two column grid">
    <div class="column">
      <candidate-form candidates.bind="candidates"></candidate-form>
    </div>
    <div class="column">
      <candidate-list candidates.bind="candidates"></candidate-list>
    </div>
  </div>
</template>
```

Views



```
export class Donate {  
  donations: number[] = [];  
}
```

donate

Make a Donation

Amount

Donate

Donations to Date

Amount
4
6

```
<template>  
  <require from="../../resources/elements/donations-list"></require>  
  <require from="../../resources/elements/donate-form"></require>  
  
  <div class="ui stackable two column grid">  
    <div class="column">  
      <donate-form donations.bind="donations"></donate-form>  
    </div>  
    <div class="column">  
      <donations-list donations.bind="donations"></donations-list>  
    </div>  
  </div>  
</template>
```