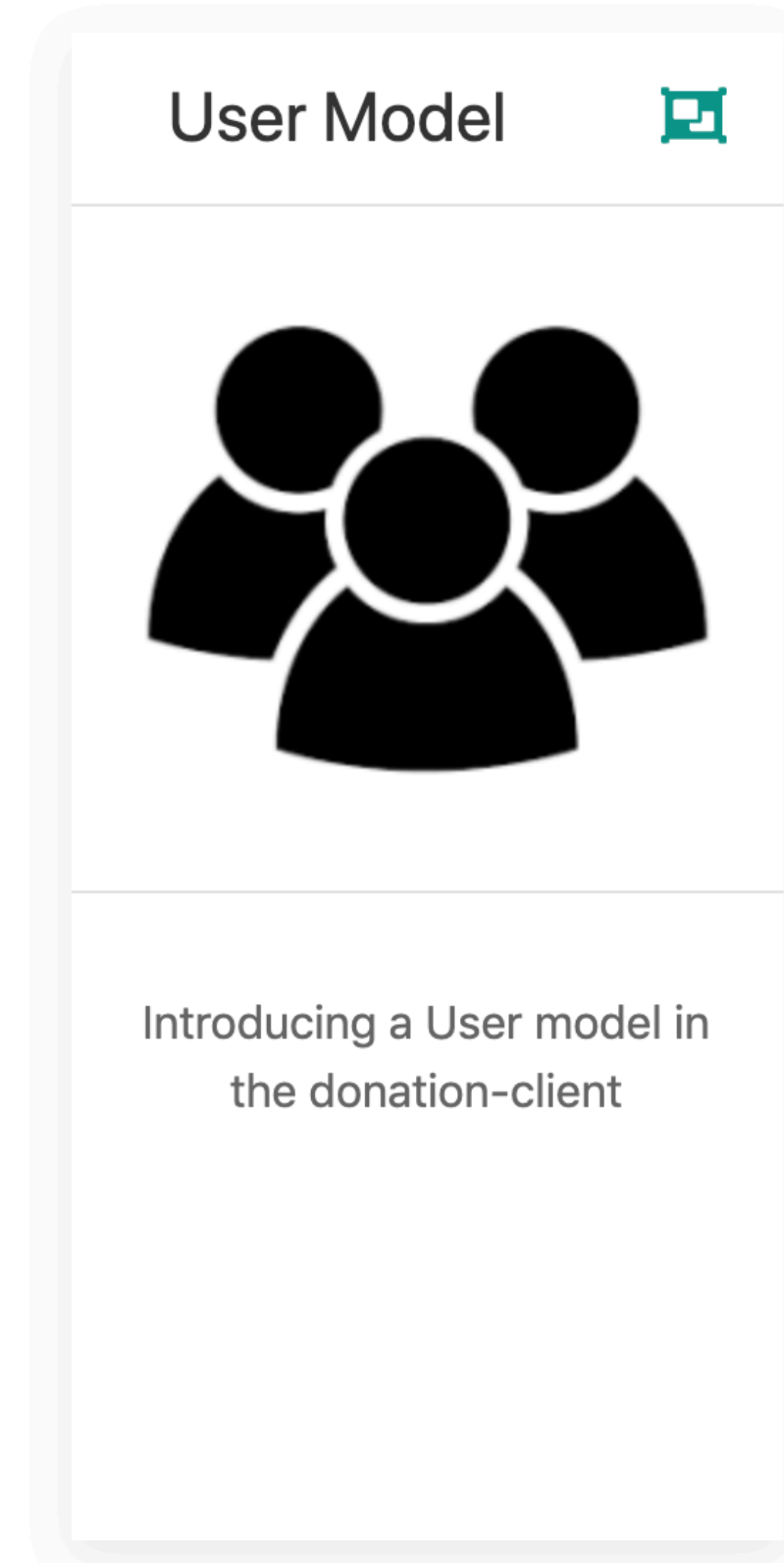
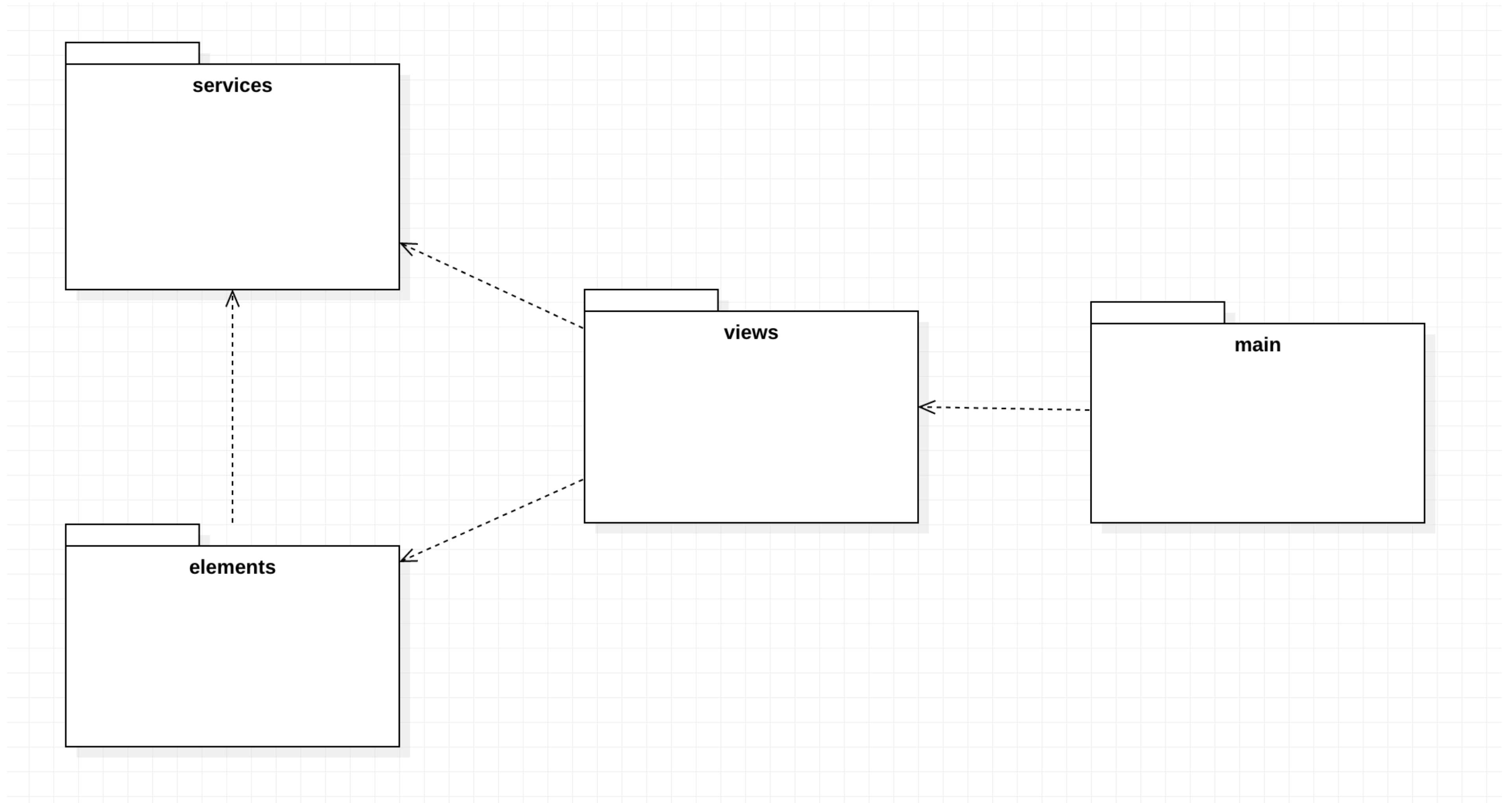
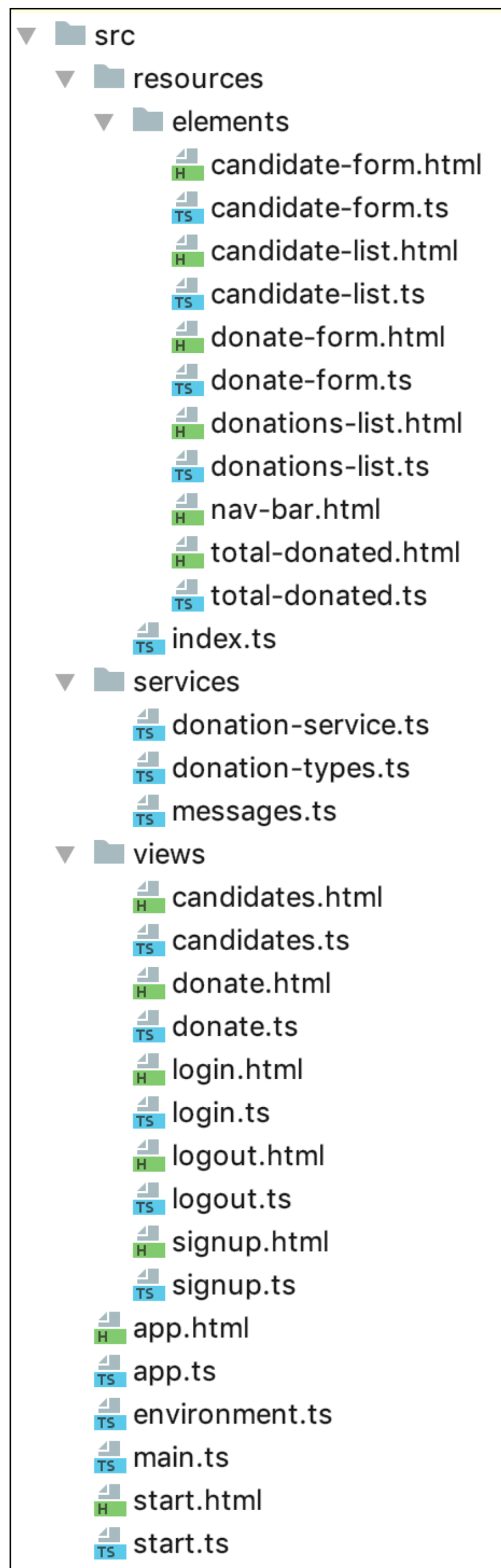
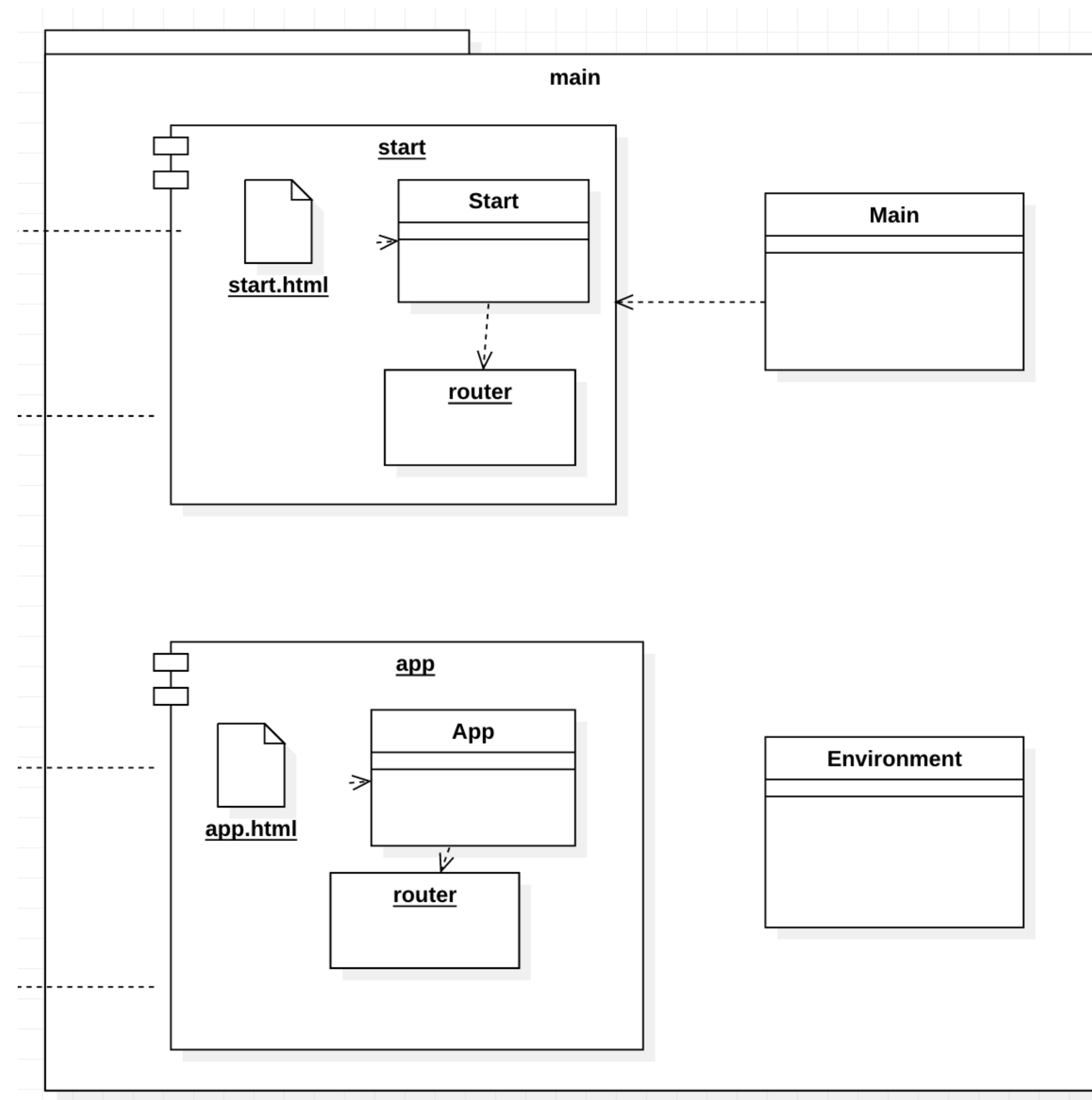
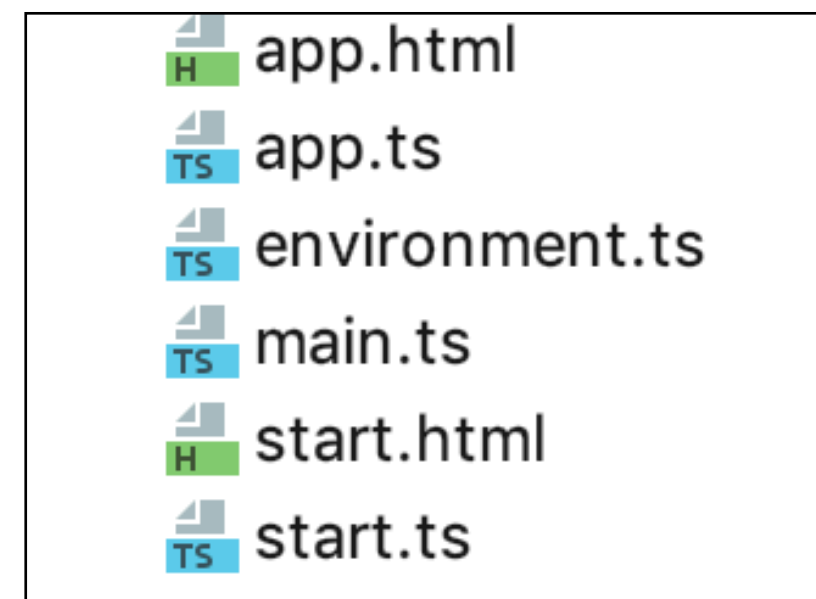


User Model





main



Define 2 routers

- **start**: support signup/login
- **app**: support donation/candidates (authenticated user)

start.ts

Login Signup

```
export class Start {
  router: Router;

  configureRouter(config: RouterConfiguration, router: Router) {
    config.map([
      {
        route: ['', 'login'],
        name: 'Login',
        moduleId: PLATFORM.moduleName('views/login'),
        nav: true,
        title: 'Login'
      },
      {
        route: 'signup',
        name: 'signup',
        moduleId: PLATFORM.moduleName('views/signup'),
        nav: true,
        title: 'Signup'
      }
    ]);
    this.router = router;
  }
}
```

start/app.html

```
<template>
  <require from="resources/elements/nav-bar.html"></require>
  <div class="ui container">
    <section class="ui raised segment">
      <h3 class="ui header"> Donation </h3>
    </section>
    <nav-bar router.bind="router"></nav-bar>
    <div class="ui basic segment">
      <router-view></router-view>
    </div>
  </div>
</template>
```

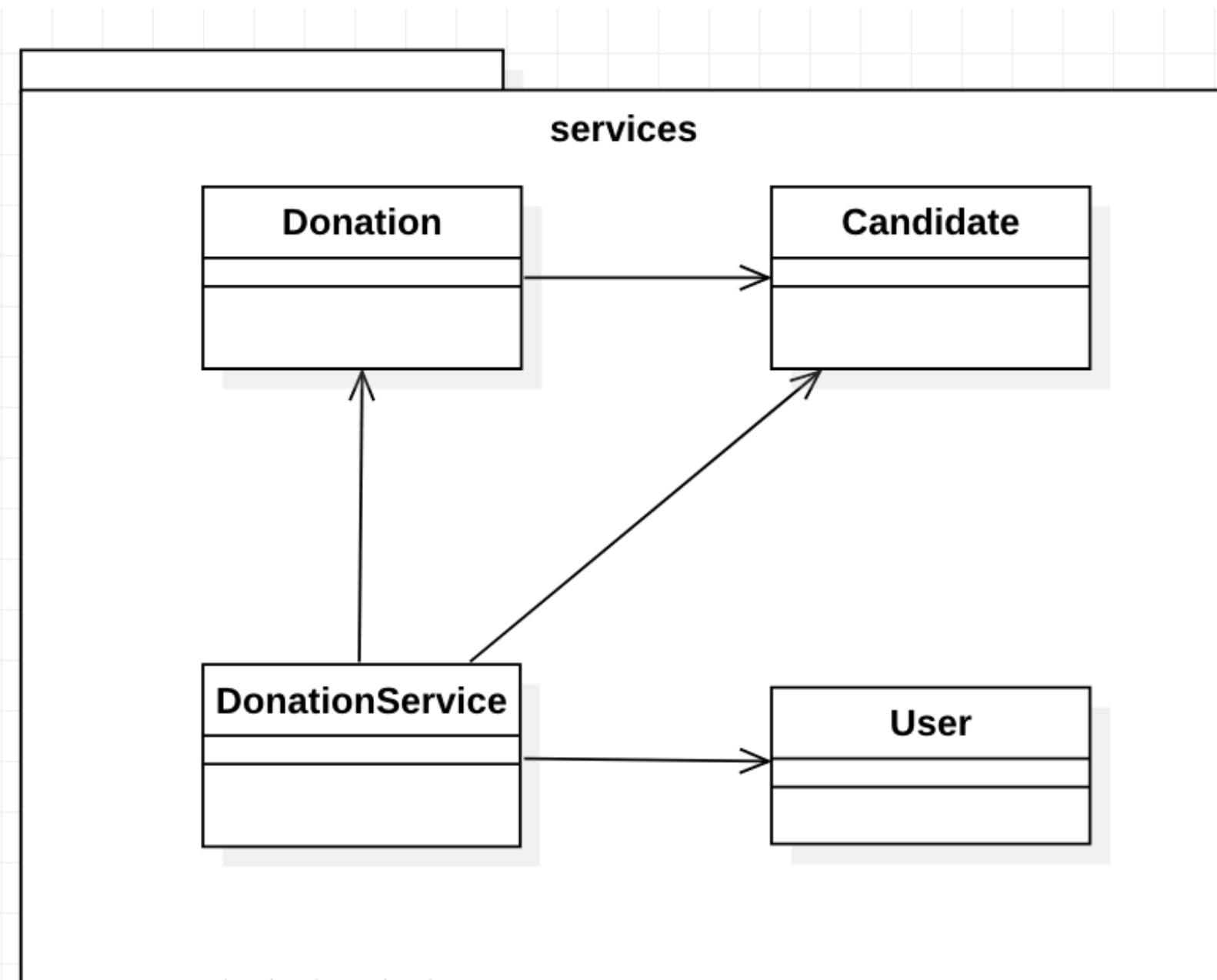
app.ts

Donate Candidate Logout

```
export class App {
  router: Router;

  configureRouter(config: RouterConfiguration, router: Router) {
    config.map([
      {
        route: ['', 'donate'],
        name: 'Donate',
        moduleId: PLATFORM.moduleName('views/donate'),
        nav: true,
        title: 'Donate'
      },
      {
        route: 'candidates',
        name: 'candidates',
        moduleId: PLATFORM.moduleName('views/candidates'),
        nav: true,
        title: 'Candidate'
      },
      {
        route: 'logout',
        name: 'logout',
        moduleId: PLATFORM.moduleName('views/logout'),
        nav: true,
        title: 'Logout'
      }
    ]);
    this.router = router;
  }
}
```

donation-types.ts

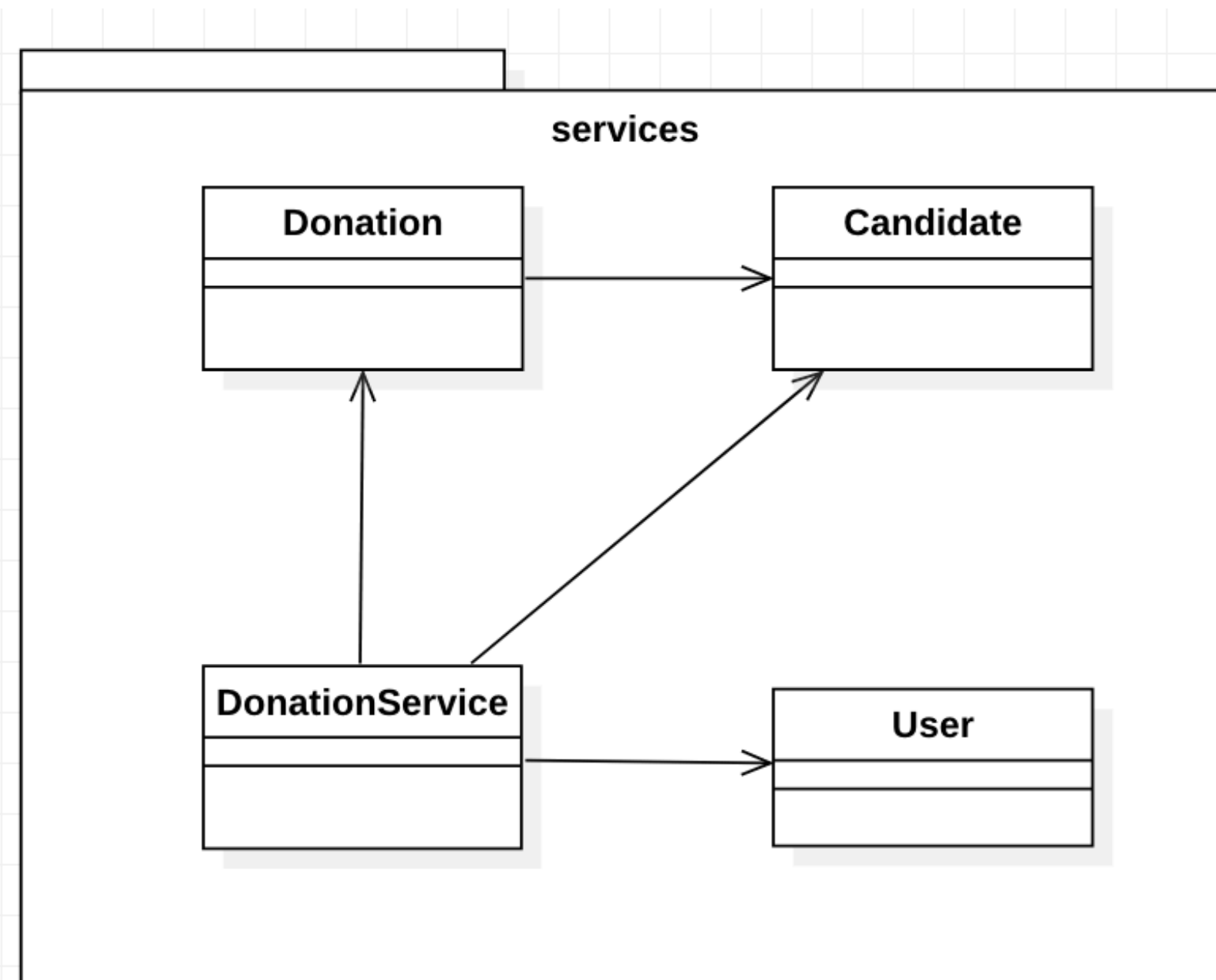


```
export interface Candidate {  
  firstName: string;  
  lastName: string;  
  office: string;  
}
```

```
export interface Donation {  
  amount: number;  
  method: string;  
  candidate: Candidate;  
}
```

```
export interface User {  
  firstName: string;  
  lastName: string;  
  email: string;  
  password: string;  
}
```

donation-service.ts



```
@inject(HttpClient, EventAggregator, Aurelia, Router)
export class DonationService {
  users: Map<string, User> = new Map();
  candidates: Candidate[] = [];
  donations: Donation[] = [];
  paymentMethods = ['Cash', 'Paypal'];
  total = 0;

  constructor(private httpClient: HttpClient, private ea: EventAggregator,
               private au: Aurelia, private router: Router) {
    httpClient.configure(http => {
      http.withBaseUrl('http://localhost:8080');
    });
    this.getCandidates();
    this.getUsers();
  }

  async getCandidates() {
    const response = await this.httpClient.get('/api/candidates.json');
    this.candidates = await response.content;
  }

  async getUsers() {
    const response = await this.httpClient.get('/api/users.json');
    const users = await response.content;
    users.forEach(user => {
      this.users.set(user.email, user);
    });
  }
}
```

donation-service.ts: users

```
export class DonationService {

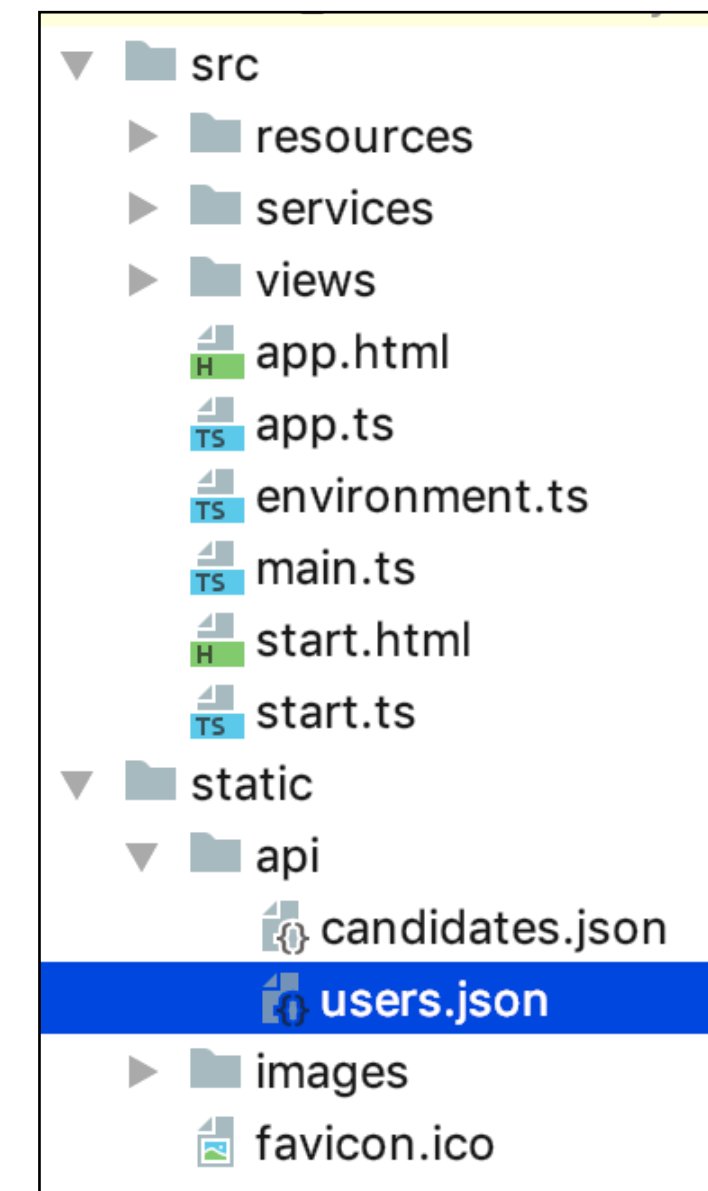
  users: Map<string, User> = new Map();

  async getUsers() {
    const response = await this.httpClient.get('/api/users.json');
    const users = await response.content;
    users.forEach(user => {
      this.users.set(user.email, user);
    });
  }

  async login(email: string, password: string) {
    const user = this.users.get(email);
    if (user && (user.password === password)) {
      this.changeRouter(PLATFORM.moduleName('app'))
      return true;
    } else {
      return false;
    }
  }

  ...
}
```

Test users loaded from
'users.json' file



```
[
  {
    "firstName": "Homer",
    "lastName": "Simpson",
    "email": "homer@simpson.com",
    "password": "secret"
  },
  {
    "firstName": "Marge",
    "lastName": "Simpson",
    "email": "marge@simpson.com",
    "password": "secret"
  },
  {
    "firstName": "Bart",
    "lastName": "Simpson",
    "email": "bart@simpson.com",
    "password": "secret"
  }
]
```


donation-service.ts: login

```
export class DonationService {  
  
  async login(email: string, password: string) {  
    const user = this.users.get(email);  
    if (user && (user.password === password)) {  
      this.changeRouter(PLATFORM.moduleName('app'))  
      return true;  
    } else {  
      return false;  
    }  
  }  
  
  ...  
}
```


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

Log-in

Email

Password

Login



If user found - change the router

[Donate](#) [Candidate](#) [Logout](#)

Make a Donation

Amount

☐ Cash
☐ Paypal

Select Candidate

☐ Simpson, Bart
☐ Simpson, Marge

Donate

0
DONATED

Donations to Date

Amount	Payment Method	Candidate
--------	----------------	-----------

login View Component

```
@inject(DonationService)
export class Login {
  email = 'marge@simpson.com';
  password = 'secret';
  prompt = '';

  constructor(private ds: DonationService) {}

  async login(e) {
    console.log(`Trying to log in ${this.email}`);
    const success = await this.ds.login(this.email, this.password);
    if (!success) {
      this.prompt = "Oops! Try again...";
    }
  }
}
```

```
<template>
  <div class="ui stackable two column grid">
    <div class="column">
      <form submit.delegate="login($event)" class="ui stacked segment form">
        <h3 class="ui header">Log-in</h3>
        <div class="field">
          <label>Email</label> <input placeholder="Email" value.bind="email"/>
        </div>
        <div class="field">
          <label>Password</label> <input type="password" value.bind="password"/>
        </div>
        <button class="ui blue submit button">Login</button>
        <h3>${prompt}</h3>
      </form>
    </div>
    <div class="column">
      
    </div>
  </div>
</template>
```

Log-in

Email

marge@simpson.com

Password

•••••

Login



signup View Component

```
@inject(DonationService)
export class Signup {
  firstName = 'Marge';
  lastName = 'Simpson';
  email = 'marge@simpson.com';
  password = 'secret';
  prompt = '';

  constructor(private ds: DonationService) {}

  signup(e) {
    console.log(`Trying to sign up ${this.email}`);
    const success = this.ds.signup(this.firstName, this.lastName,
                                   this.email, this.password);

    if (!success) {
      this.prompt = 'Oops! Try again...';
    }
  }
}
```

```
<template>
  <div class="ui stackable two column grid">
    <div class="column">
      
    </div>
    <div class="column">
      <form submit.delegate="signup($event)" class="ui stacked segment form">
        <h3 class="ui header">Register</h3>
        <div class="two fields">
          <div class="field">
            <label>First Name</label> <input placeholder="First Name" type="text" value.bind="firstName">
          </div>
          <div class="field">
            <label>Last Name</label> <input placeholder="Last Name" type="text" value.bind="lastName">
          </div>
        </div>
        <div class="field">
          <label>Email</label> <input placeholder="Email" type="text" value.bind="email">
        </div>
        <div class="field">
          <label>Password</label> <input type="password" value.bind="password">
        </div>
        <button class="ui blue submit button">Submit</button>
      </form>
      <h3>${prompt}</h3>
    </div>
  </div>
</template>
```



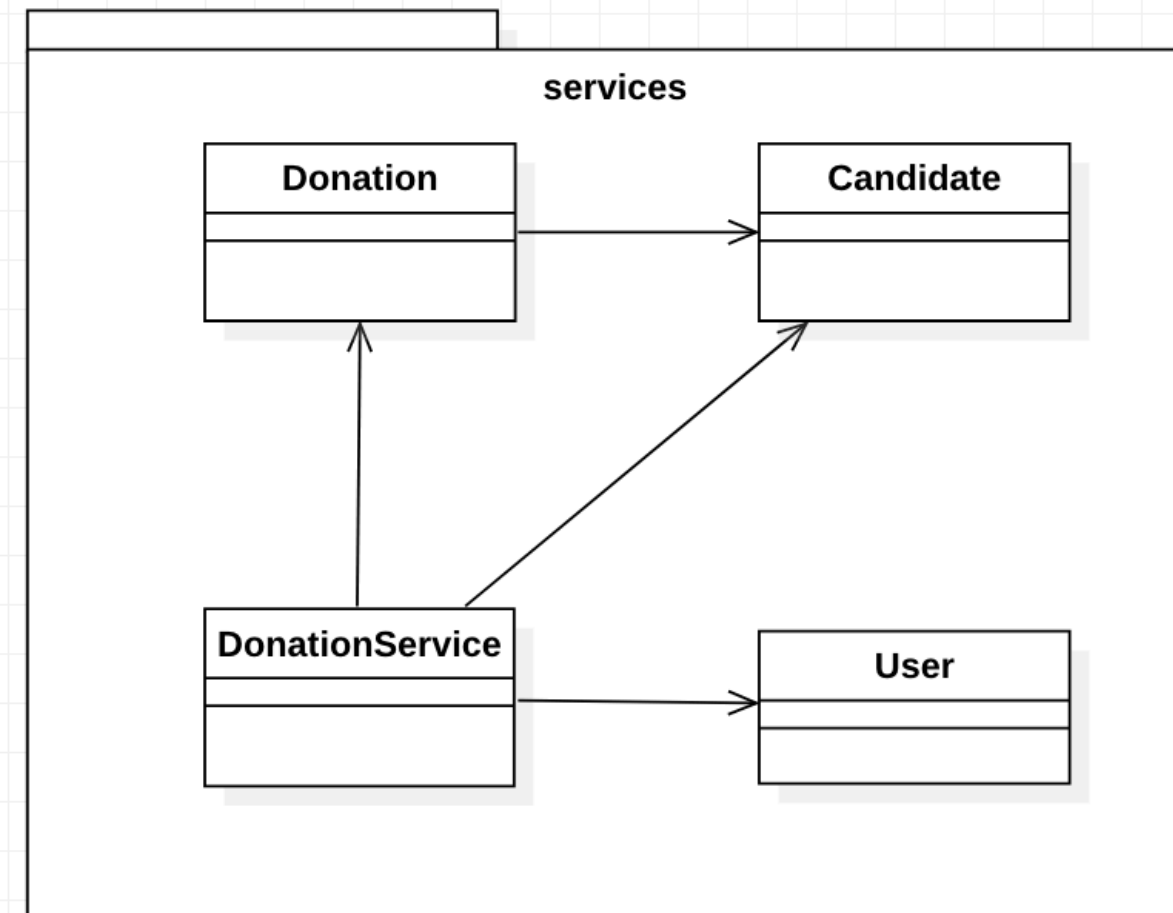
Register

First Name	Last Name
<input type="text" value="Marge"/>	<input type="text" value="Simpson"/>

Email

Password

donate method



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

```
export interface Donation {
  amount: number;
  method: string;
  candidate: Candidate;
}
```

```
export interface User {
  firstName: string;
  lastName: string;
  email: string;
  password: string;
}
```

- Donate method still local
- Does not attempt to contact donation-service

```
export class DonationService {

  async donate(amount: number, method: string, candidate: Candidate) {
    const donation = {
      amount: amount,
      method: method,
      candidate: candidate
    };
    this.donations.push(donation);
    this.total = this.total + amount;
    this.ea.publish(new TotalUpdate(this.total));
  }
}
```

