

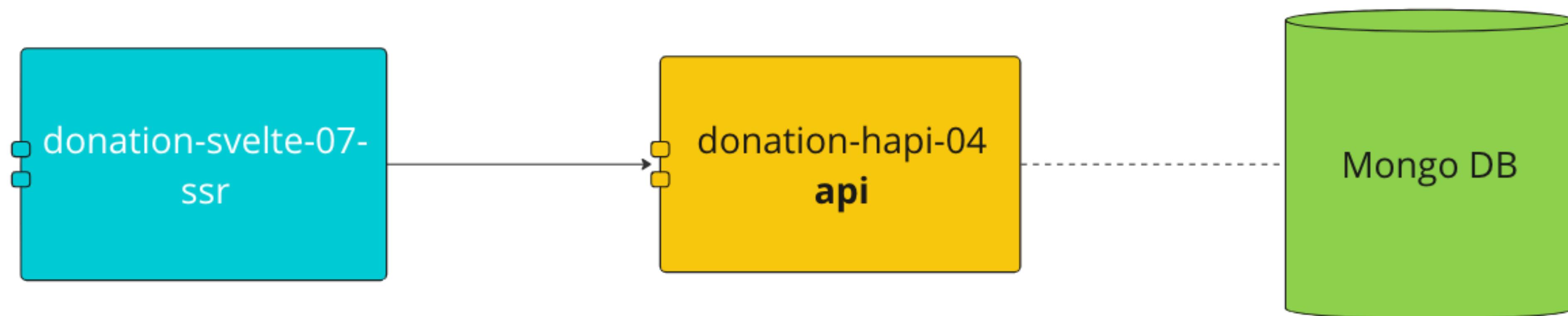
# Full Stack Architecture



Design of SvelteKit full  
stack applications

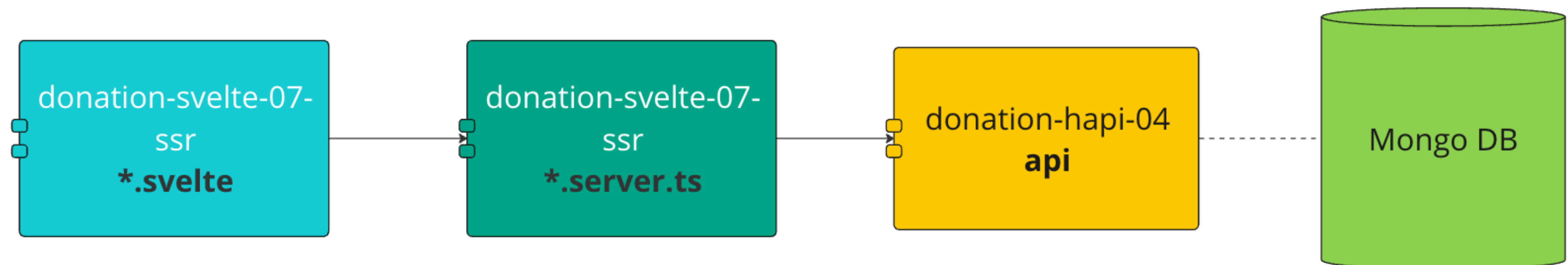
## Full Stack

- Currently we have 2 application:
  - Hapi donation application
  - SvelteKit application



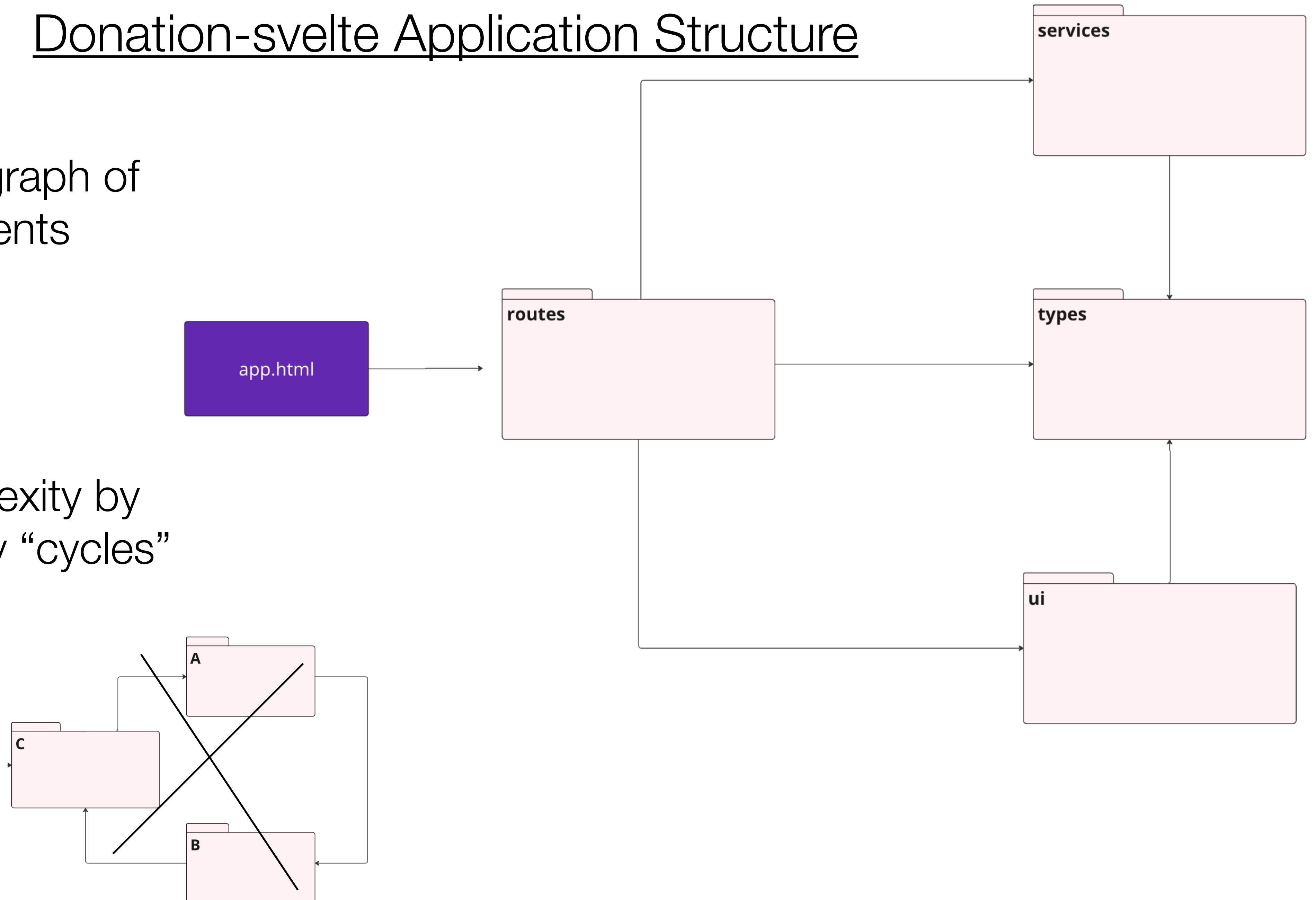
## Full Stack

- SvelteKit Application:
  - \*.svelte components in the browser
  - \*.server.ts server side components

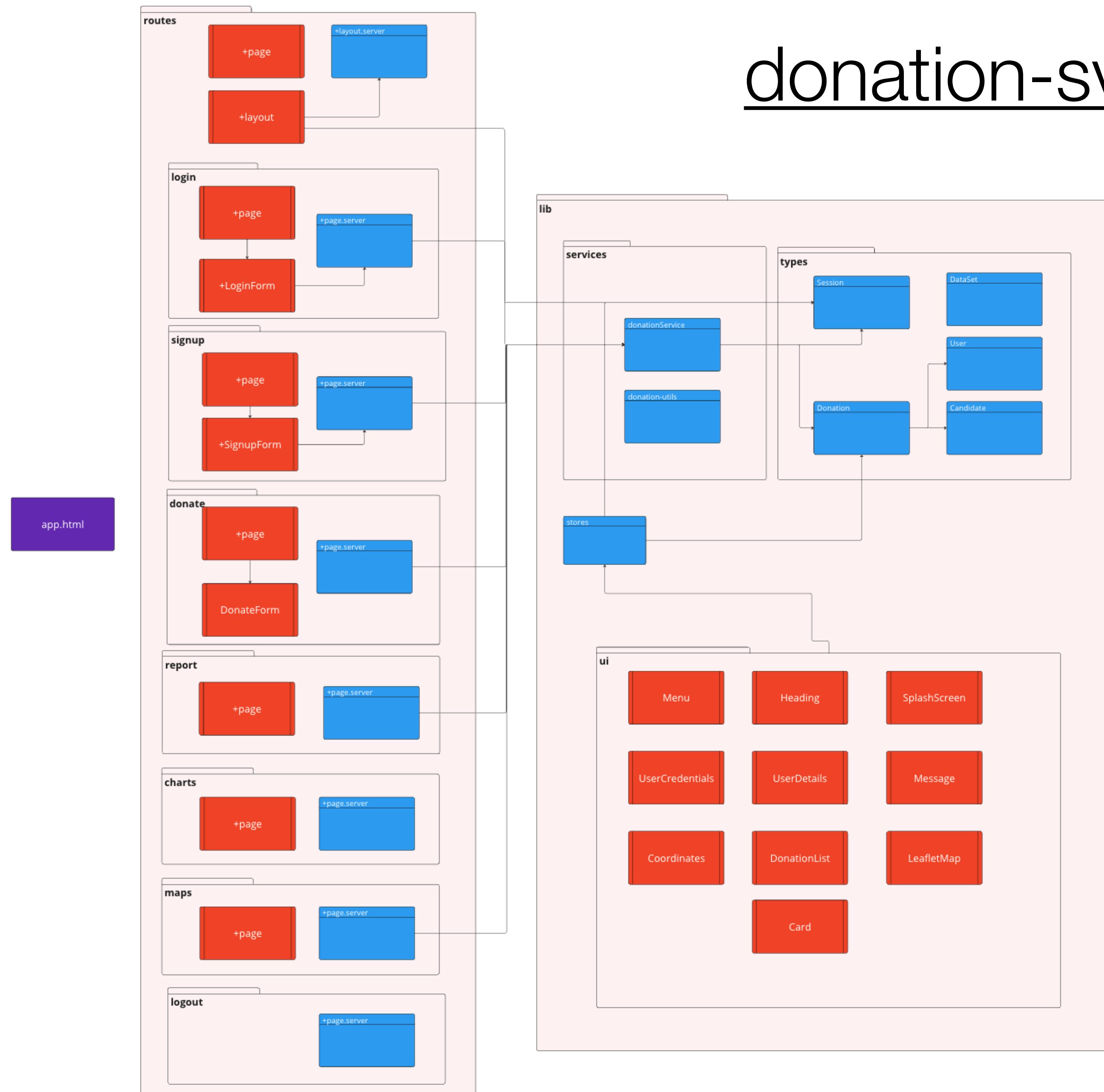


# Donation-svelte Application Structure

- Dependency graph of main components
- Unidirectional dependencies
- Control complexity by eliminating any “cycles”

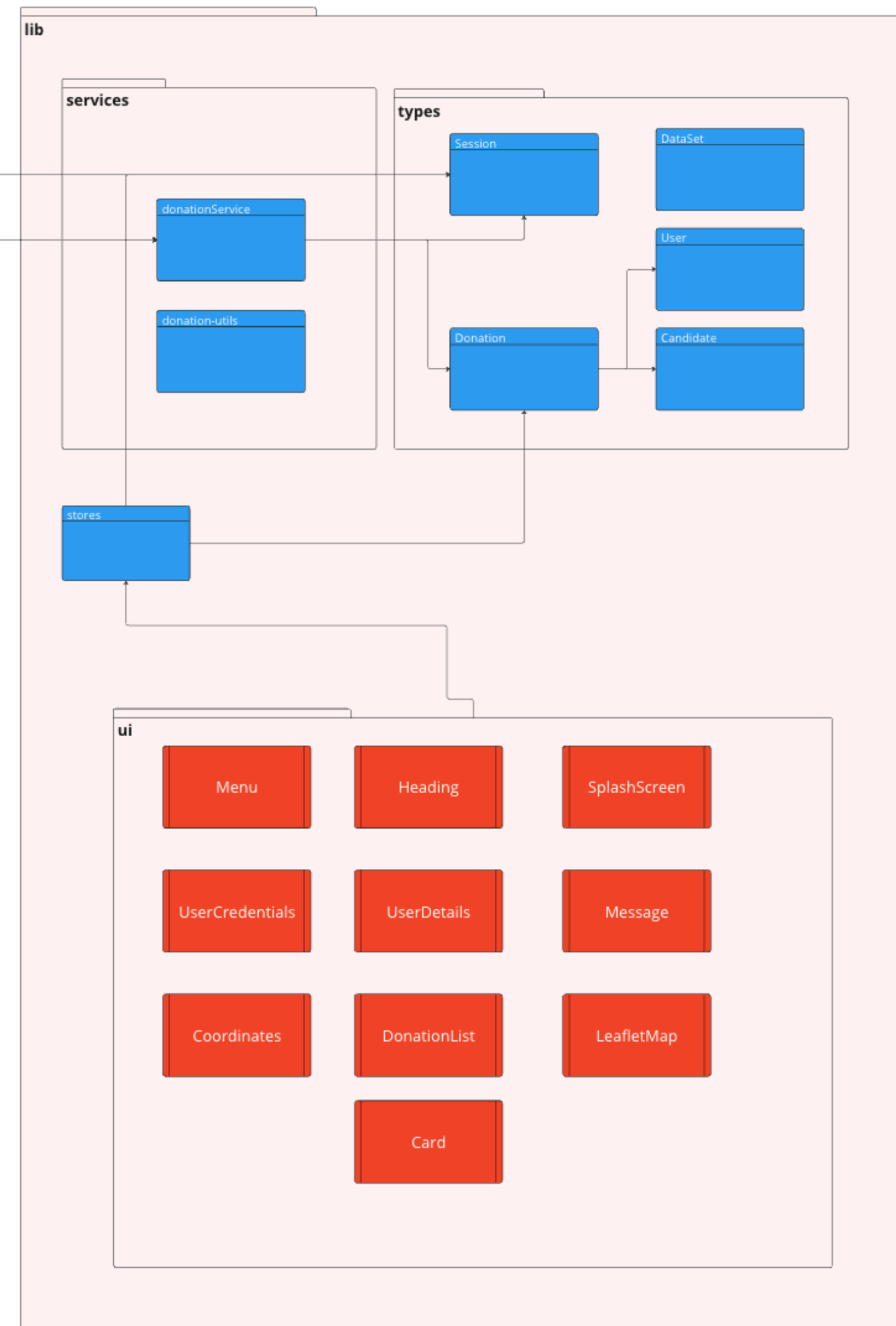
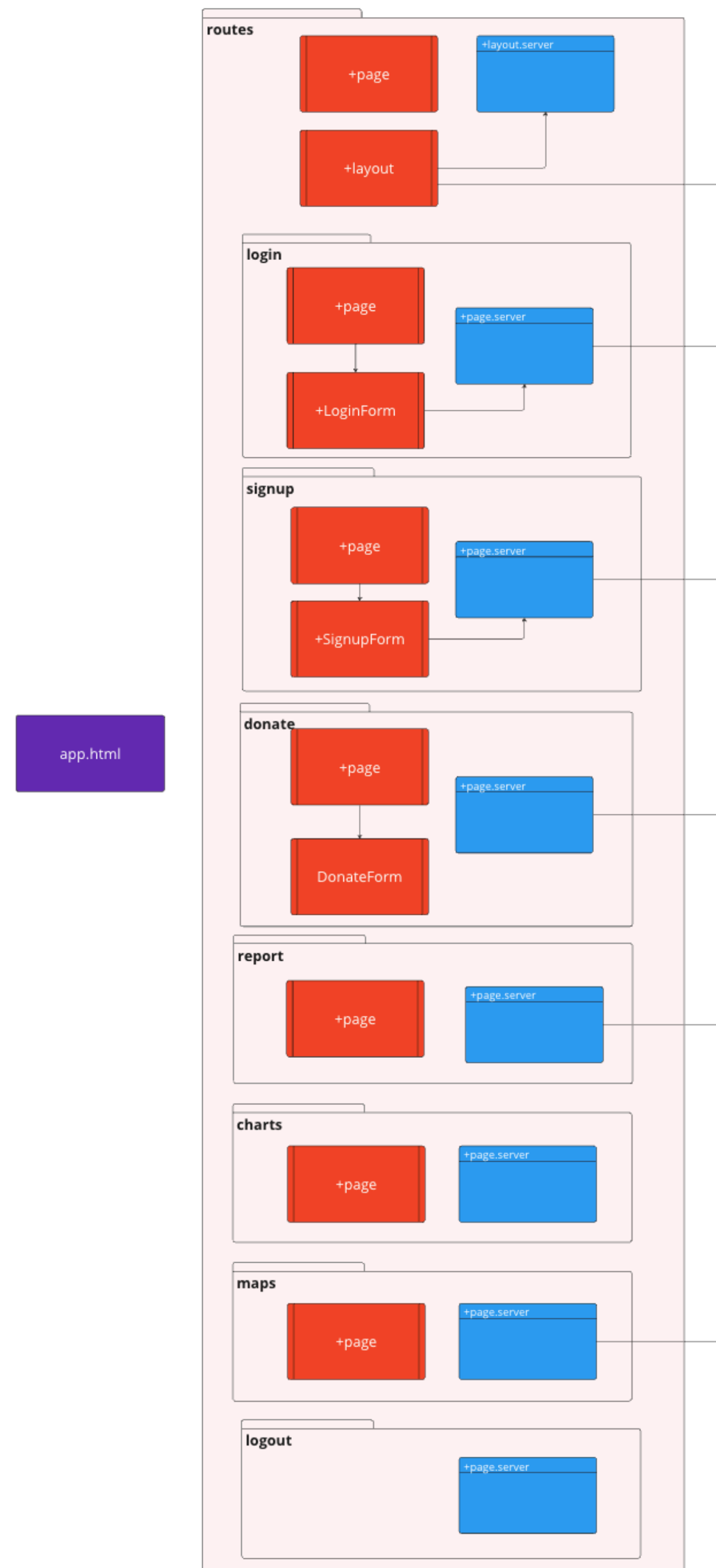


# donation-svelte-08-ssr



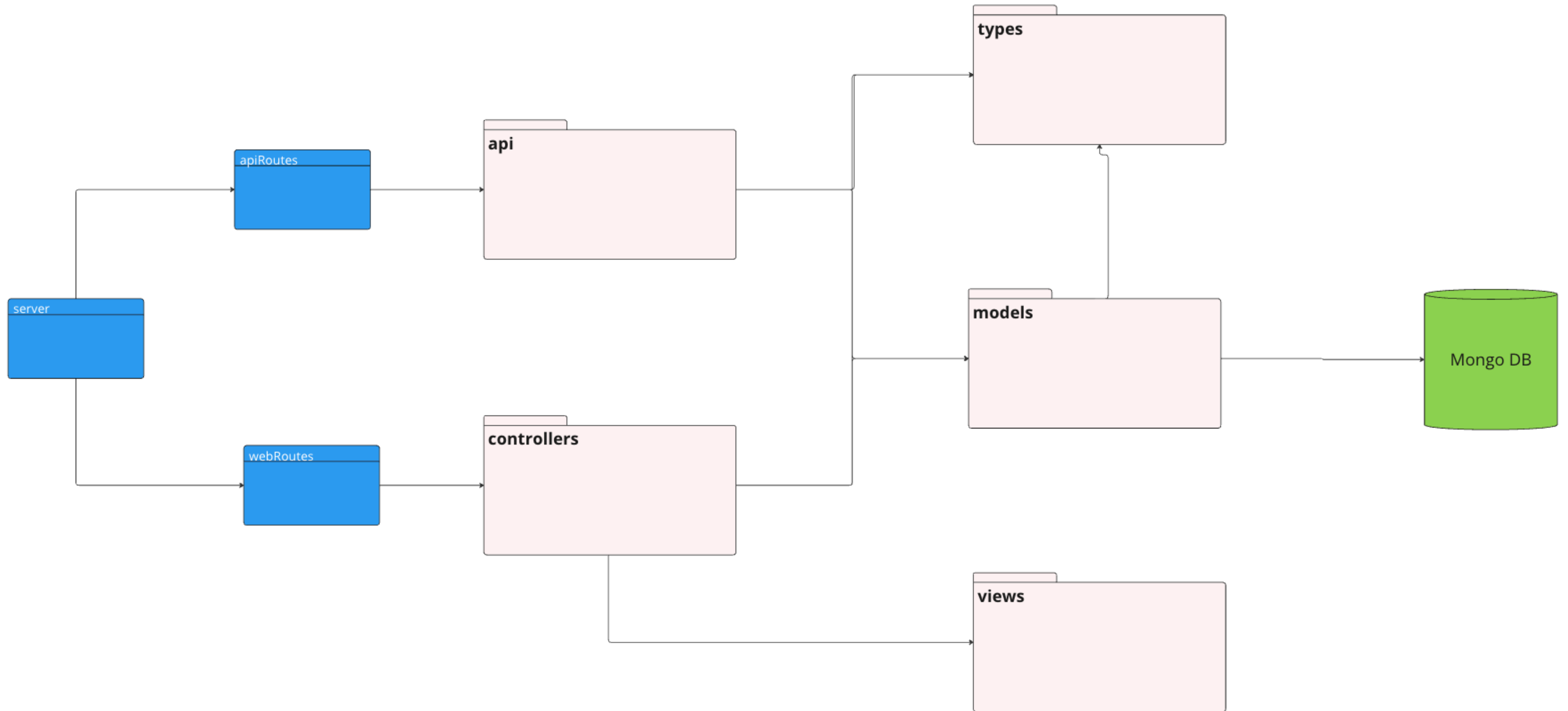
# donation-svelte-08-ssr

- routes
  - charts
    - TS +page.server.ts
    - +page.svelte
  - donate
    - TS +page.server.ts
    - +page.svelte
    - DonateForm.svelte
  - login
    - TS +page.server.ts
    - +page.svelte
    - LoginForm.svelte
  - logout
    - TS +page.server.ts
    - +page.svelte
  - maps
    - TS +page.server.ts
    - +page.svelte
  - signup
    - +page.svelte
    - SignupForm.svelte
- TS app.d.ts
- app.html

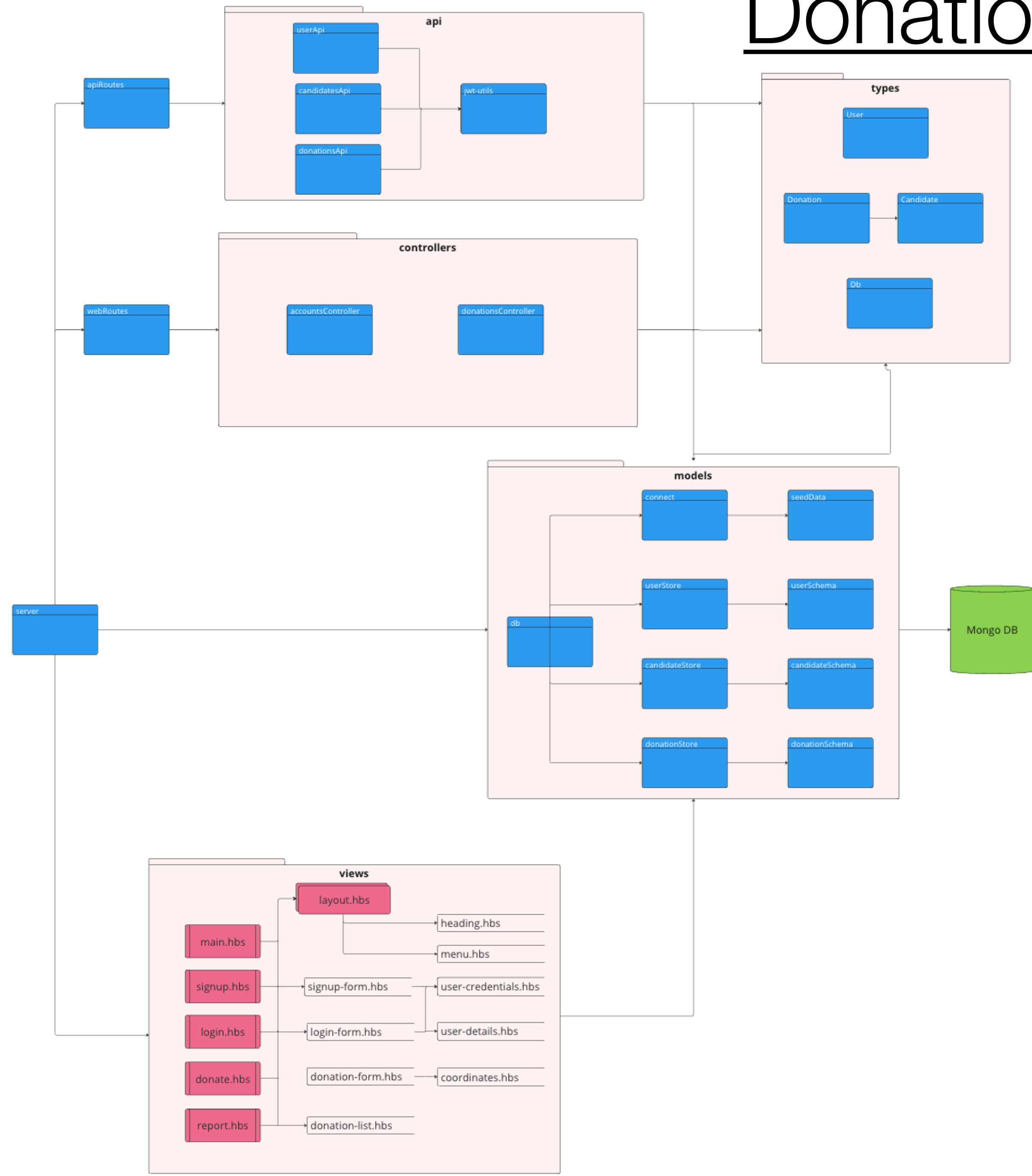


- src
  - lib
    - services
      - TS donation-service.ts
      - TS donation-utils.ts
    - types
      - TS donation-types.ts
    - ui
      - Card.svelte
      - Coordinates.svelte
      - DonationList.svelte
      - Heading.svelte
      - LeafletMap.svelte
      - Menu.svelte
      - Message.svelte
      - SplashScreen.svelte
      - UserCredentials.svelte
      - UserDetails.svelte
      - TS stores.ts

# Donation-Hapi Application Structure

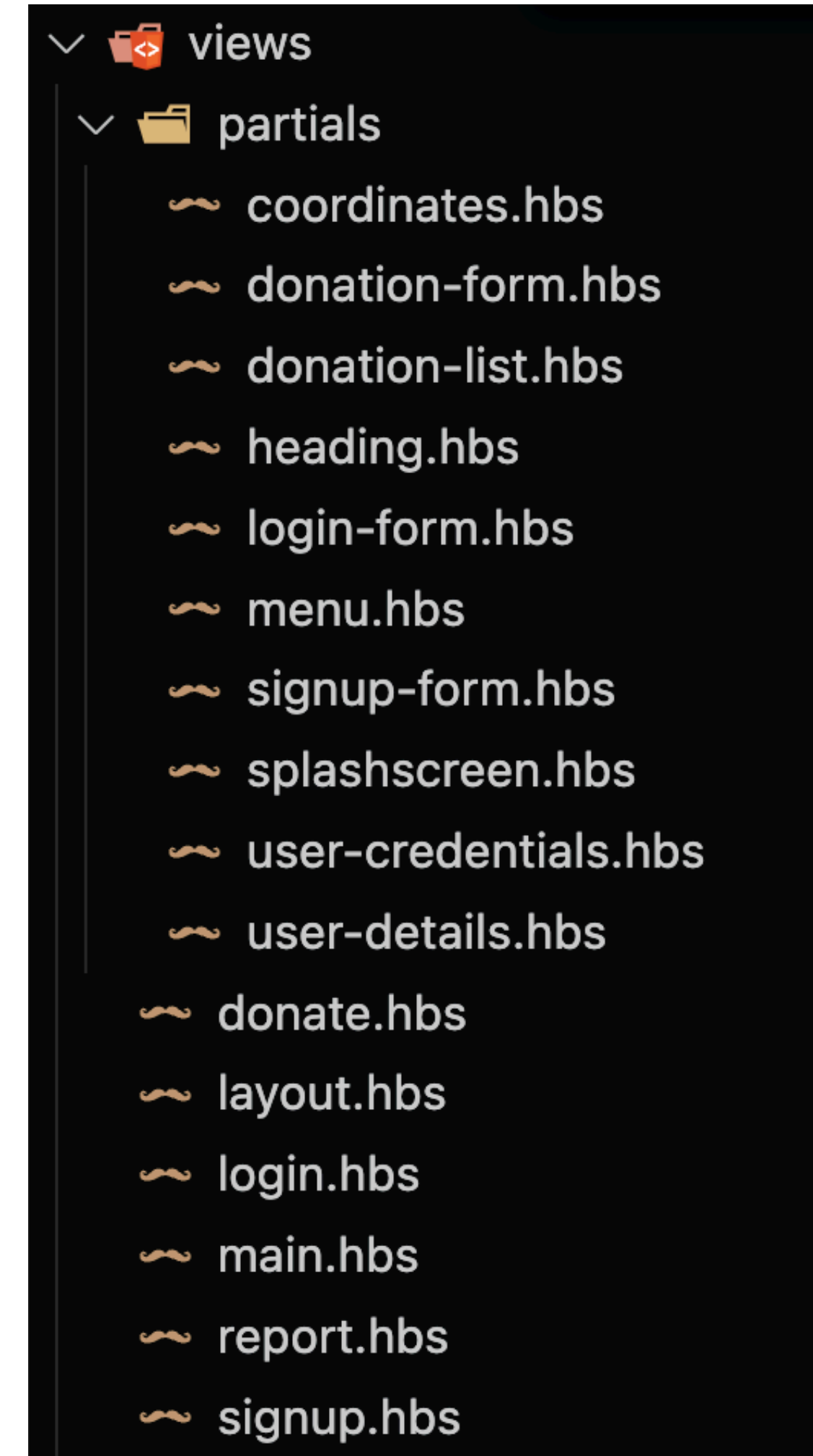
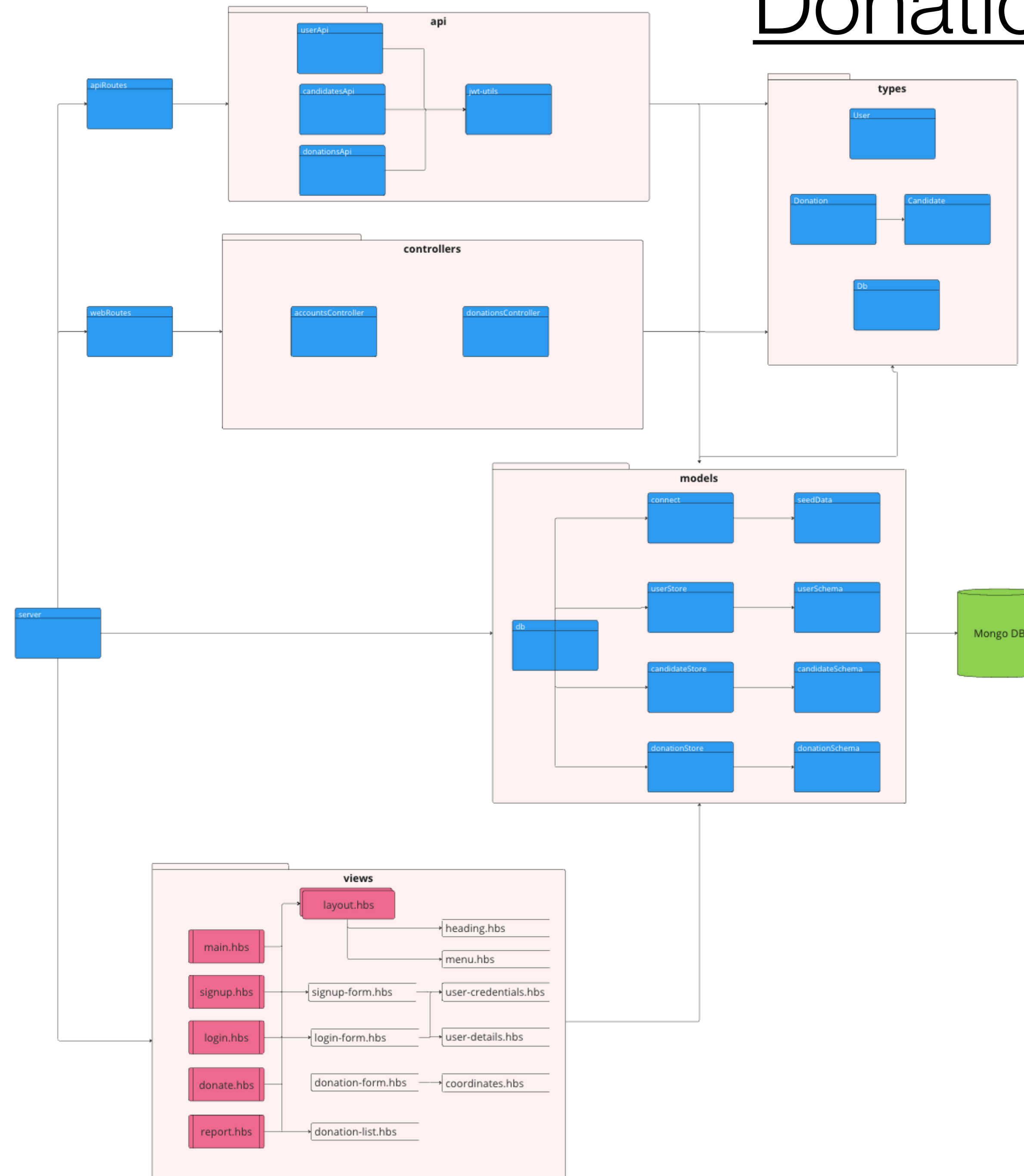
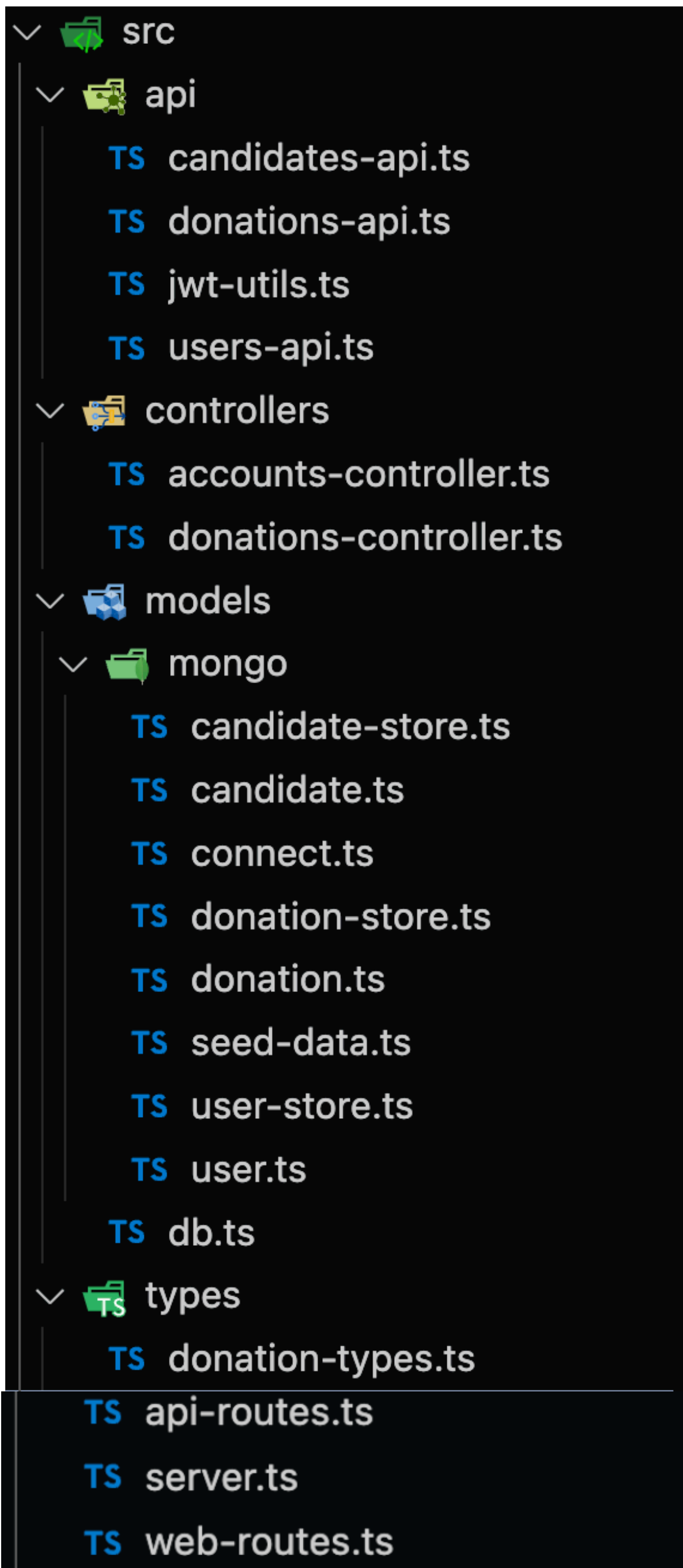


# Donation-hapi-04-api

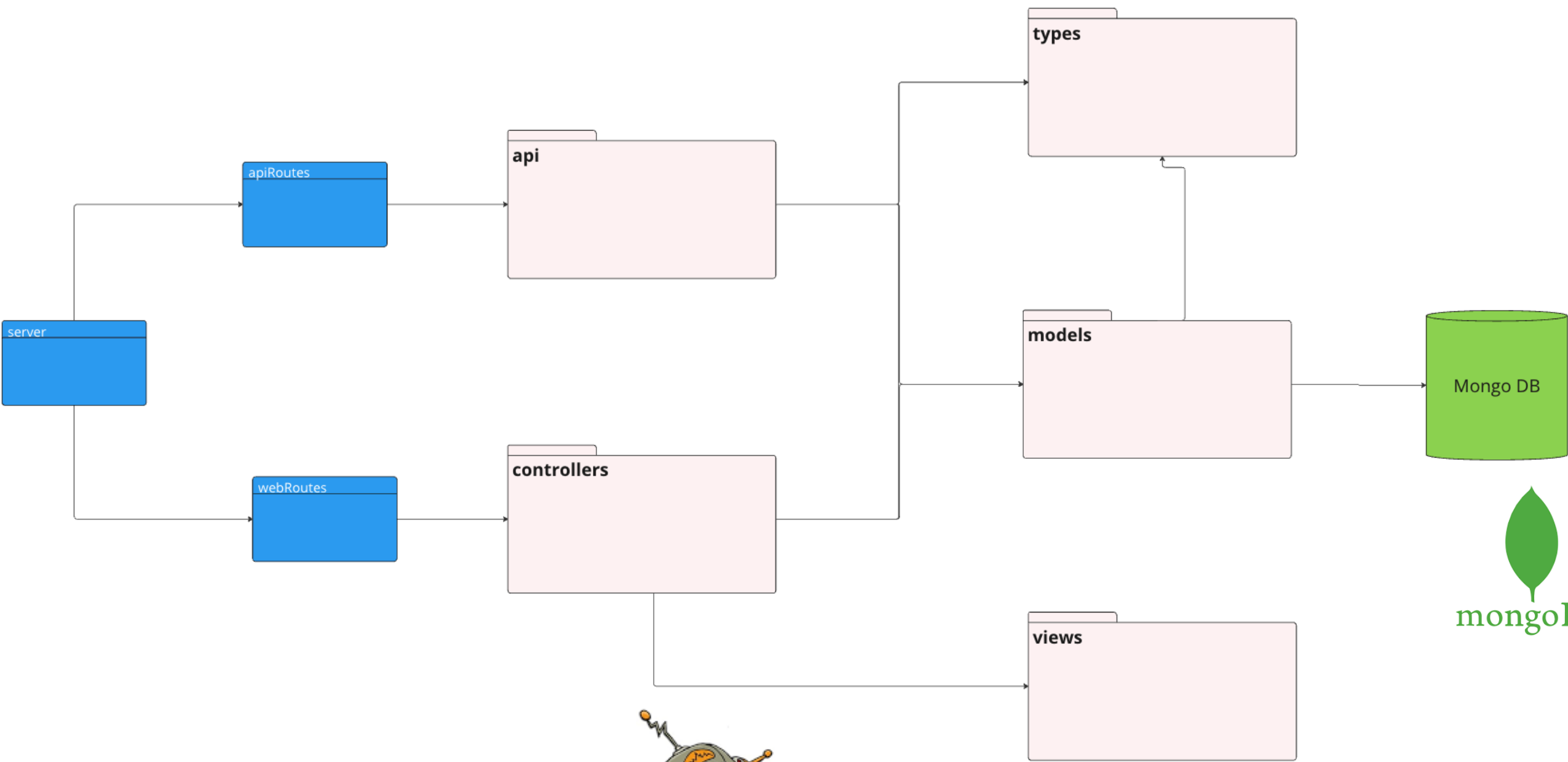
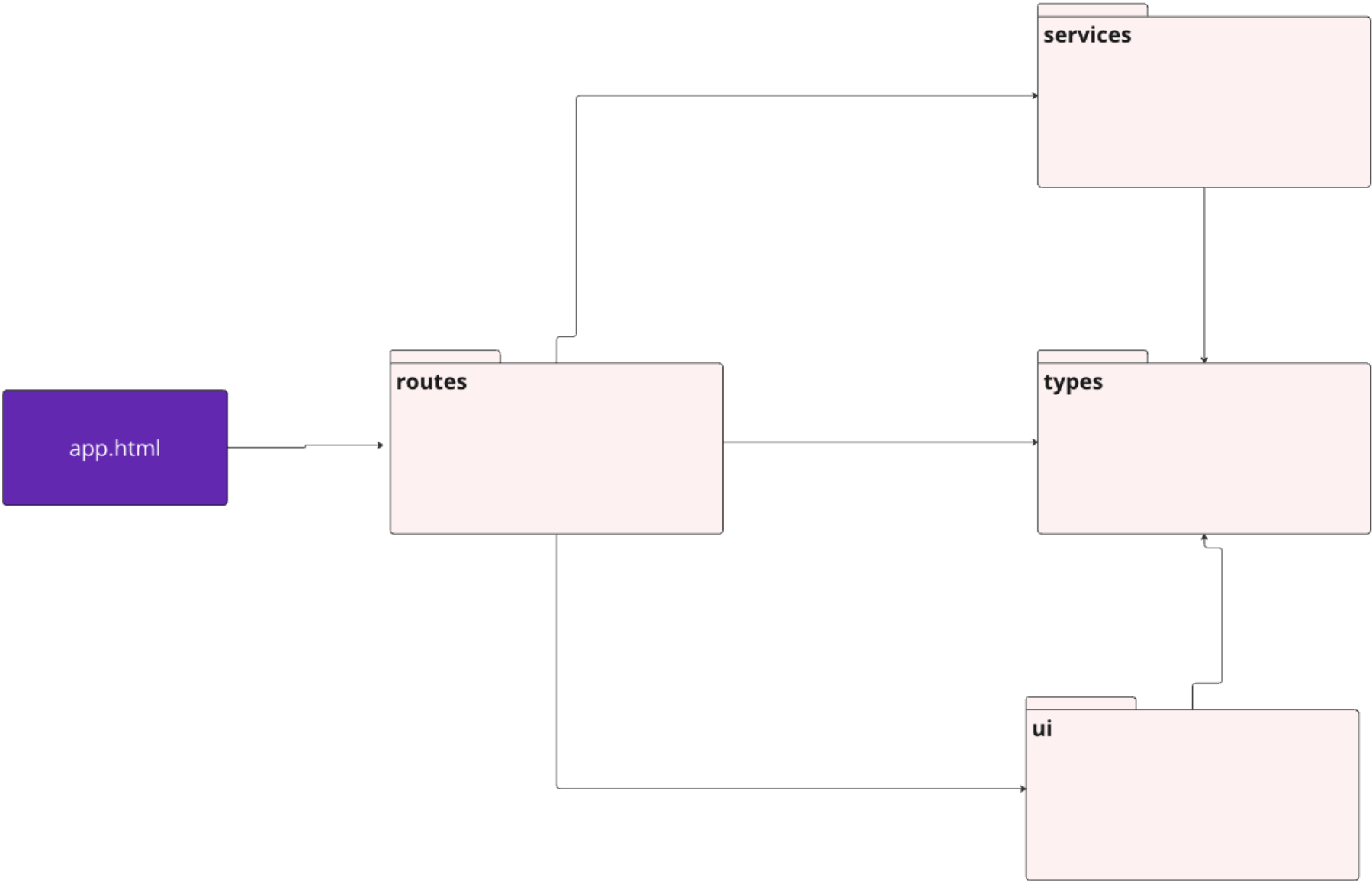




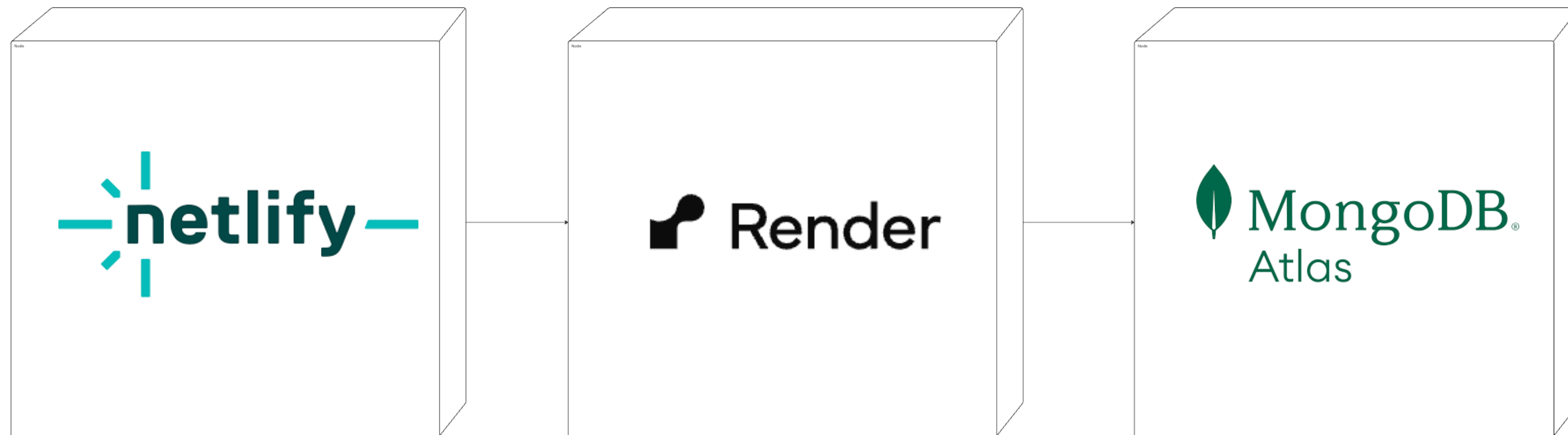
# Donation-hapi-04-api



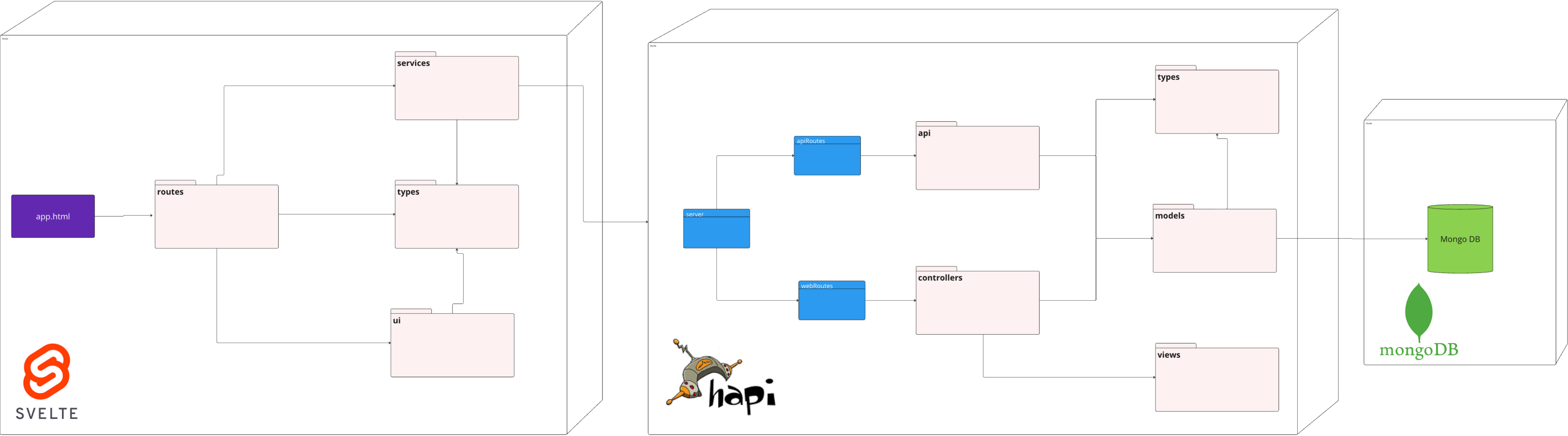
# Donation Architecture



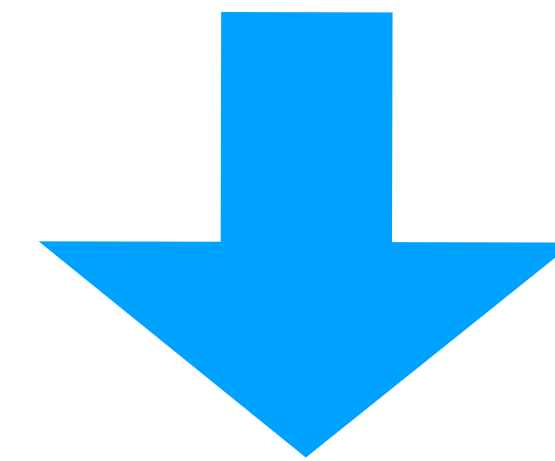
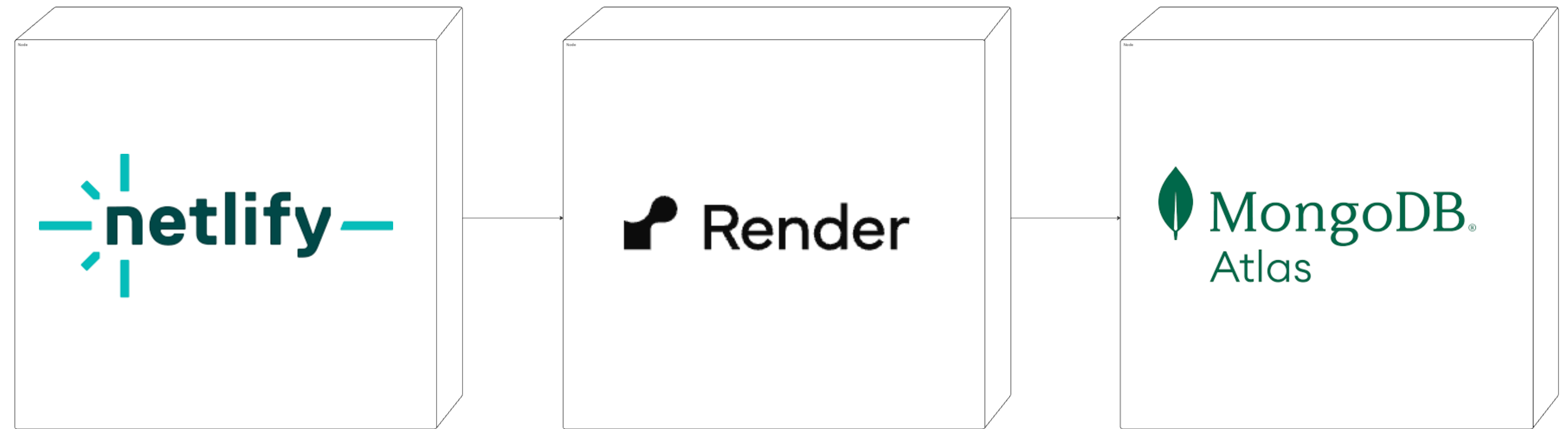
# Donation Deployment



# Donation Deployment



## Full Stack Architecture

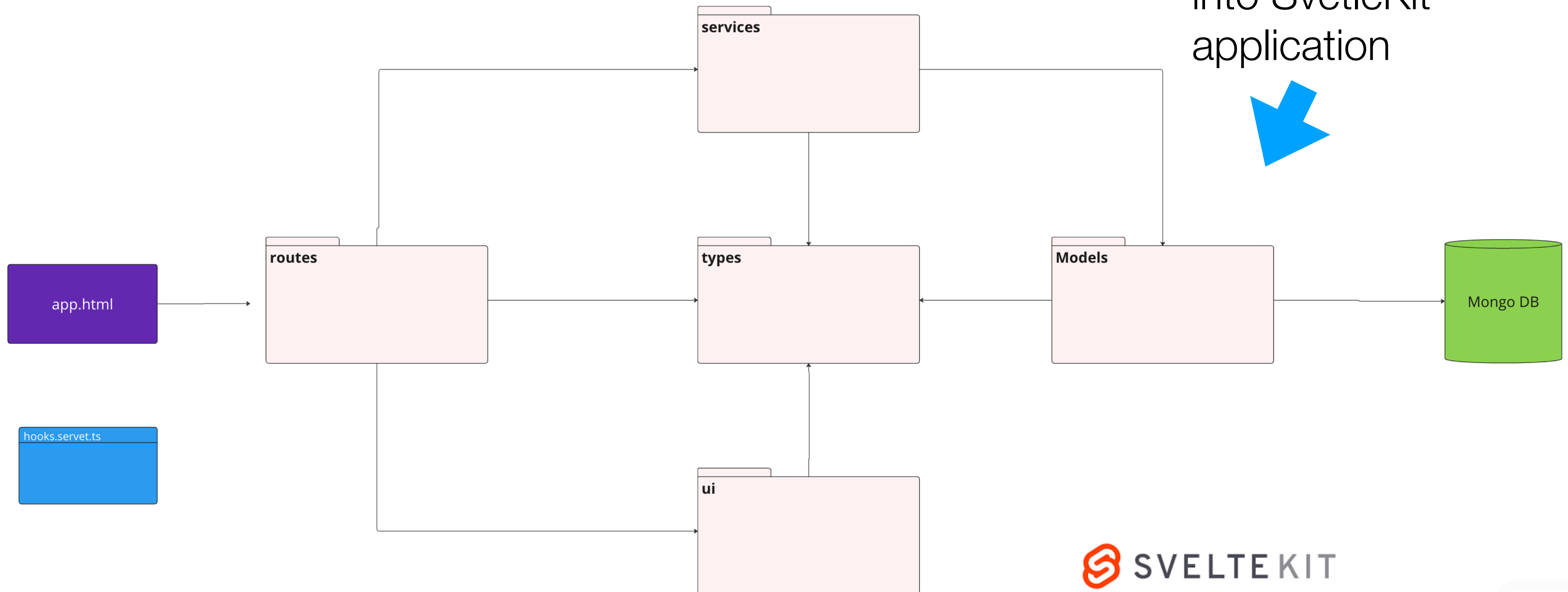


- Reconsider role of donation-hapi Application
- Directly integrate model access into donation-svelte

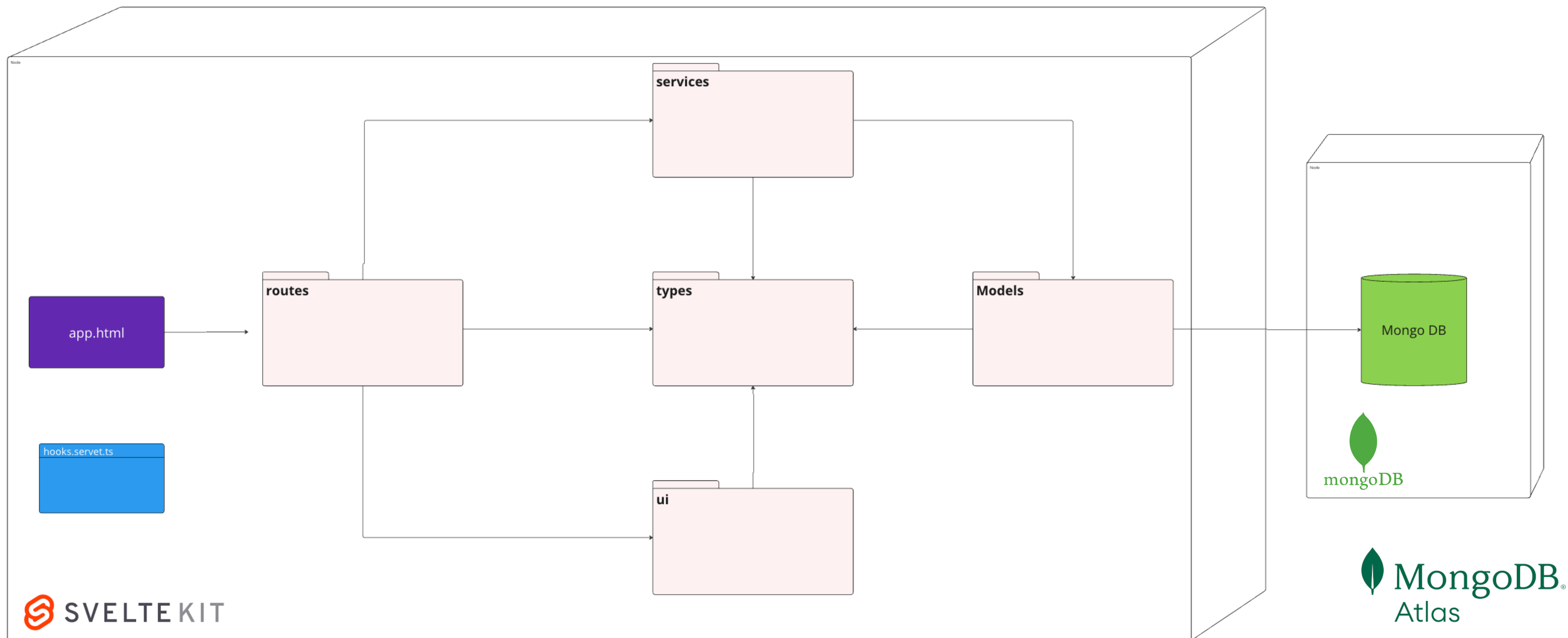


# Donation Full Stack Architecture

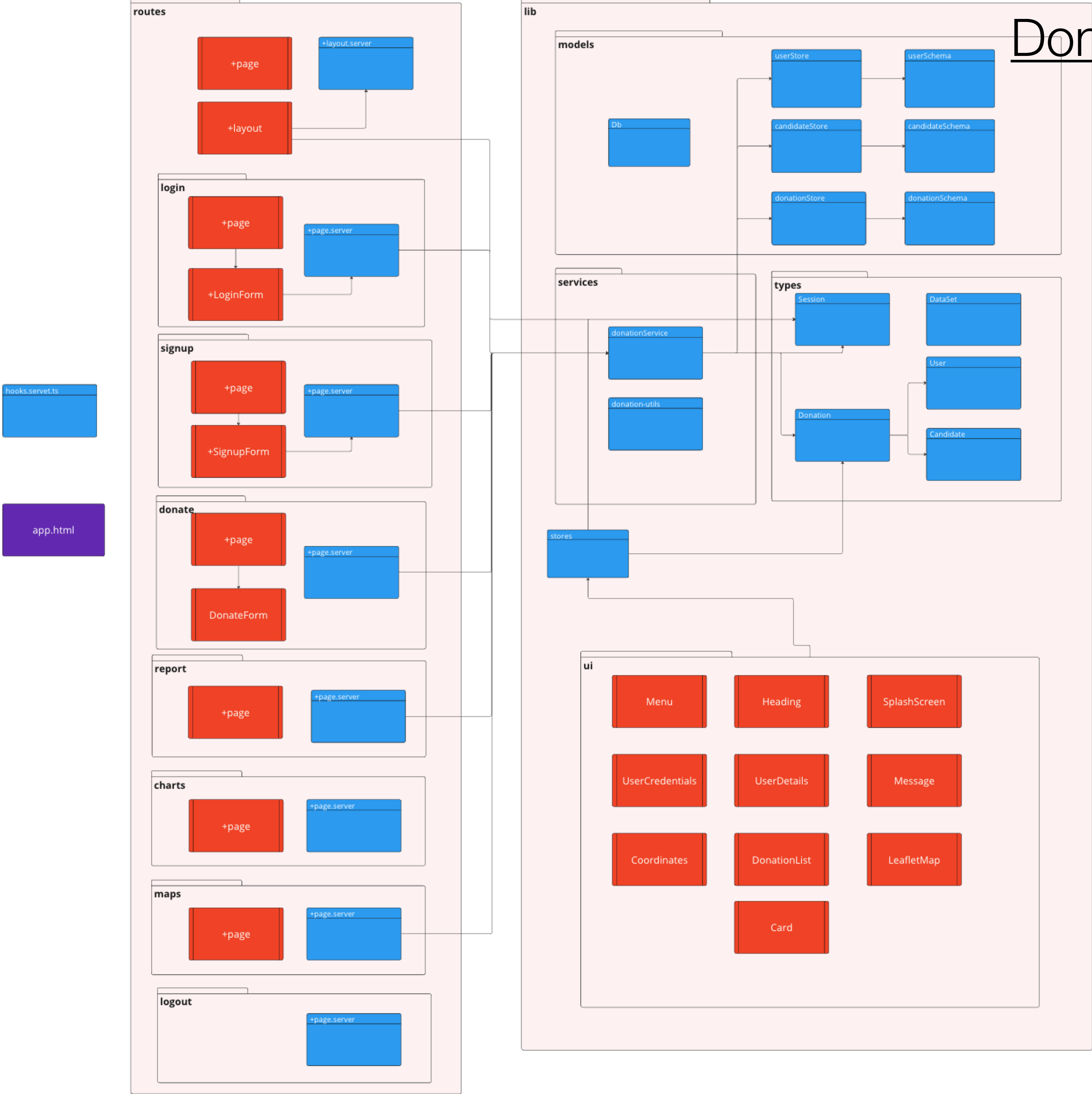
- Incorporate Models package from donation-api directly into SvelteKit application



# Donation Full Stack Deployment



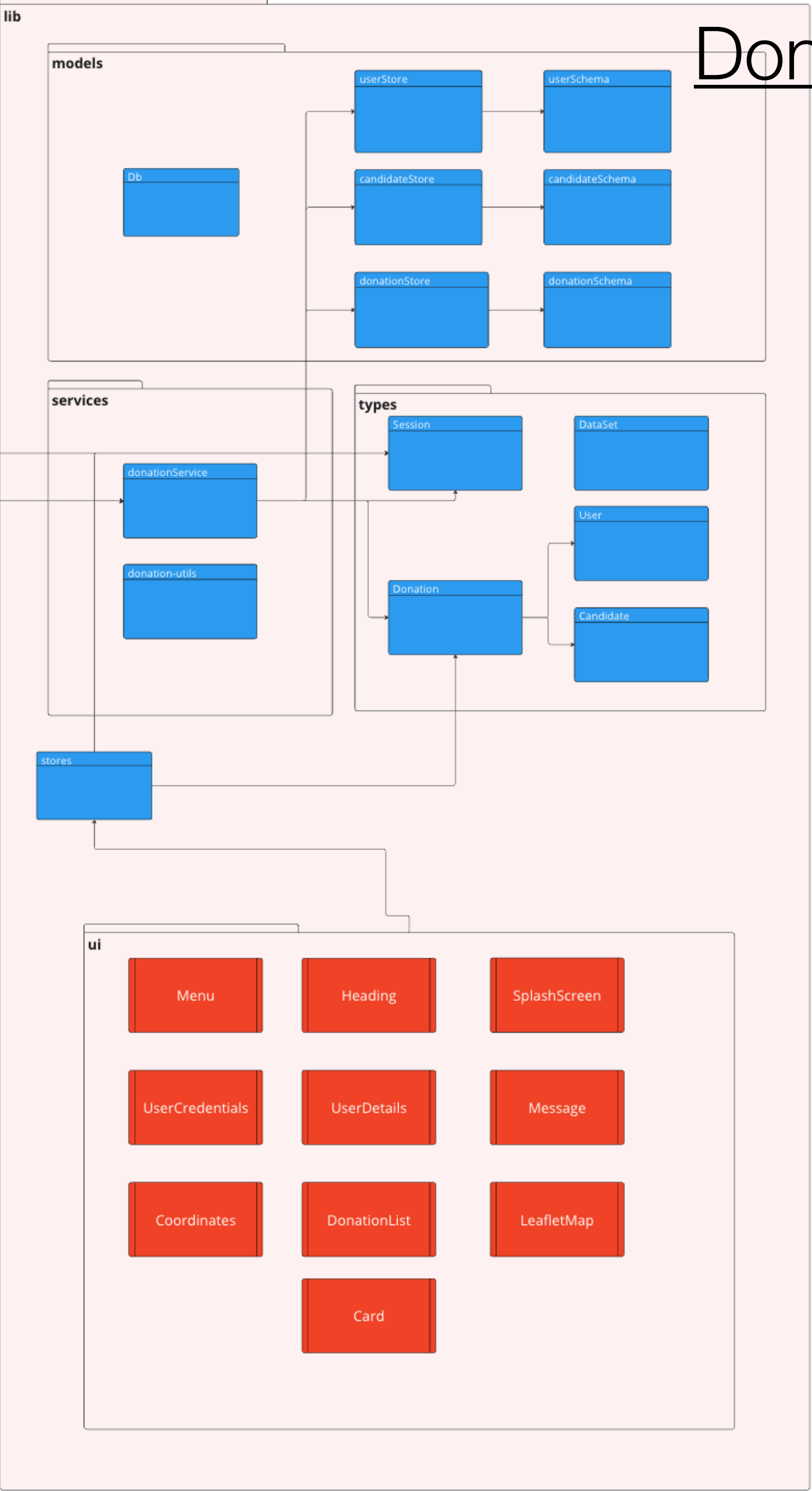
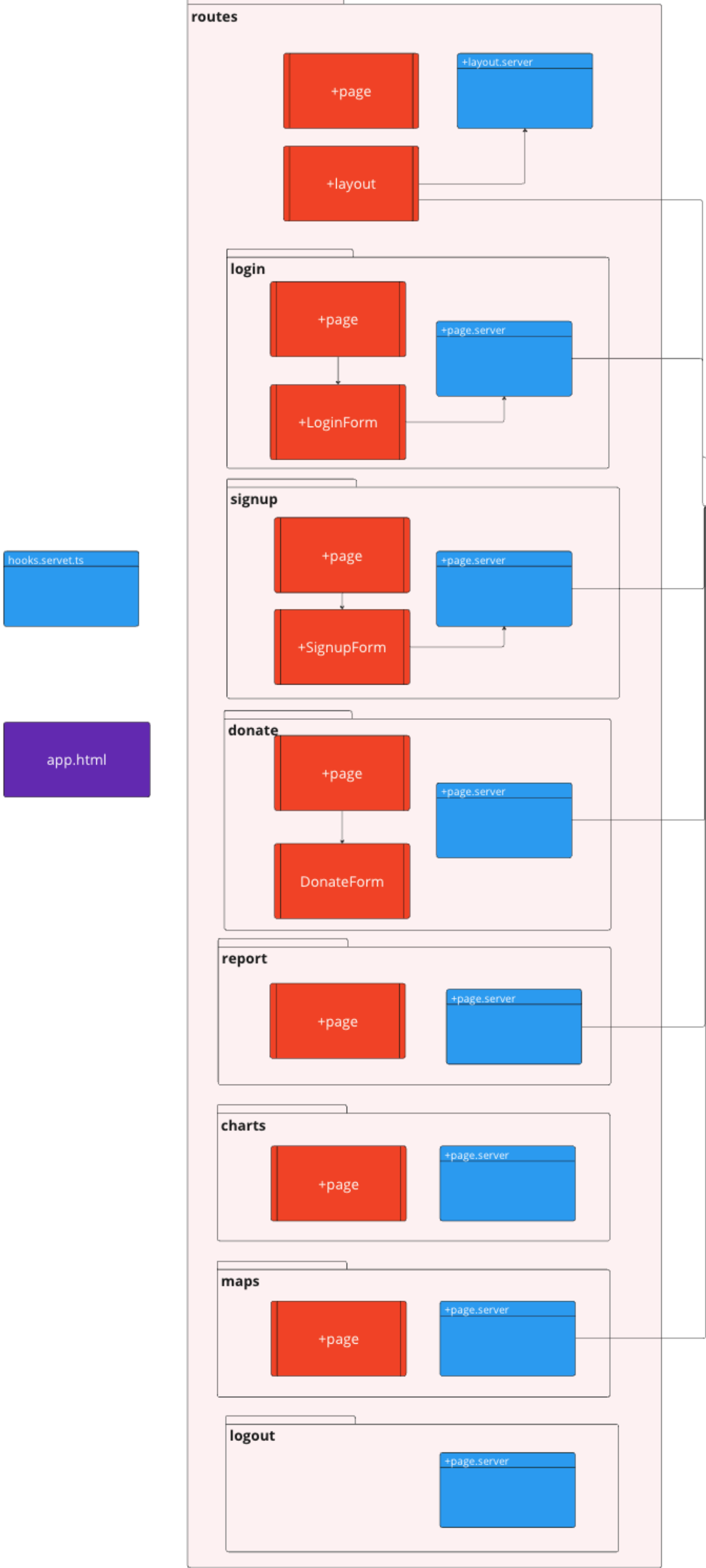
# Donation-svelte-09-full





# Donation-svelte-09-full

- routes
  - charts
    - TS +page.server.ts
    - +page.svelte
  - donate
    - TS +page.server.ts
    - +page.svelte
    - DonateForm.svelte
  - login
    - TS +page.server.ts
    - +page.svelte
    - LoginForm.svelte
  - logout
    - TS +page.server.ts
    - +page.svelte
  - maps
    - TS +page.server.ts
    - +page.svelte
  - report
    - TS +page.server.ts
    - +page.svelte
  - signup
    - +page.svelte
    - SignupForm.svelte
    - TS +layout.server.ts
    - +layout.svelte
    - +page.svelte
  - app.d.ts
  - app.html
  - TS hooks.server.ts



- src
  - lib
    - models
      - TS candidate-store.ts
      - TS candidate.ts
      - TS donation-store.ts
      - TS donation.ts
      - TS user-store.ts
      - TS user.ts
      - TS db.ts
    - services
      - TS donation-service.ts
      - TS donation-utils.ts
    - types
      - TS donation-types.ts
    - ui
      - Card.svelte
      - Coordinates.svelte
      - DonationList.svelte
      - Heading.svelte
      - LeafletMap.svelte
      - Menu.svelte
      - Message.svelte
      - SplashScreen.svelte
      - UserCredentials.svelte
      - UserDetails.svelte
      - TS stores.ts

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