

CONCISO.

Durchdachte und robuste Frontend-Architektur mit Nx

Dortmund

28.02.2024



CONCISO.



Topic Lead Frontend



Nx Champion



Dominik Pieper



https://twitter.com/dominik_pieper



<https://linkedin.com/in/dominikpieper>

CONCISO.

Wer hat viel wechselnde / neue Kollegen in seinen
Angular Teams?

SAP Service Cloud

The screenshot displays the SAP Service Cloud interface for a customer profile. It is divided into three main sections: 'Kontaktinformationen', 'Historie', and 'Verträge'. The 'Kontaktinformationen' section shows the contact details for Dominik Pieper, including address, customer number, and role. The 'Historie' section shows a list of service tickets, all of which are 'In Bearbeitung' (In Progress). The 'Verträge' section shows three active contracts: Dortmund, Frankfurt, and Hamburg, each with a start and end date and a delivery address.

Kontaktinformationen

Dominik Pieper

Adresse
Pariser Bogen 7 / Dortmund

Kundennummer
100

Rolle
Kunde

Telefon

Controls
[Change Address](#) [Address Change](#)

Historie

- Serviceticket Allgemeine & technische Anfrage**
02.28.2024 um 10:33 AM
In Bearbeitung
- Serviceticket Allgemeine & technische Anfrage**
02.28.2024 um 10:33 AM
In Bearbeitung
- Serviceticket Allgemeine & technische Anfrage**
02.28.2024 um 10:33 AM
In Bearbeitung

Verträge

Contract Name	Start Date	End Date	Delivery Address
Dortmunder Prod	04.05.2023	04.05.2024	Dortmund, Pariser Bogen 7
Frankfurter Prod	04.05.2023	04.05.2024	Frankfurt, Pariser Bogen 77
Hamburger Prod	04.05.2023	04.05.2024	Hamburg, Pariser Bogen 777

SAP Service Cloud

The screenshot displays the SAP Service Cloud interface for a customer. It is divided into three main sections: 'Kontaktinformationen', 'Historie', and 'Verträge'. The 'Kontaktinformationen' section is highlighted with a dashed green border and contains details for Dominik Pieper, including his address, customer number, and role. The 'Historie' section shows a list of three service tickets, all in 'In Bearbeitung' status. The 'Verträge' section lists three contracts: Dortmund, Frankfurt, and Hamburg, each with its start and end dates and delivery address.

Kontaktinformationen

Dominik Pieper

Adresse
Pariser Bogen 7 / Dortmund

Kundennummer
100

Rolle
Kunde

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Controls
[Change Address](#) [Address Change](#)

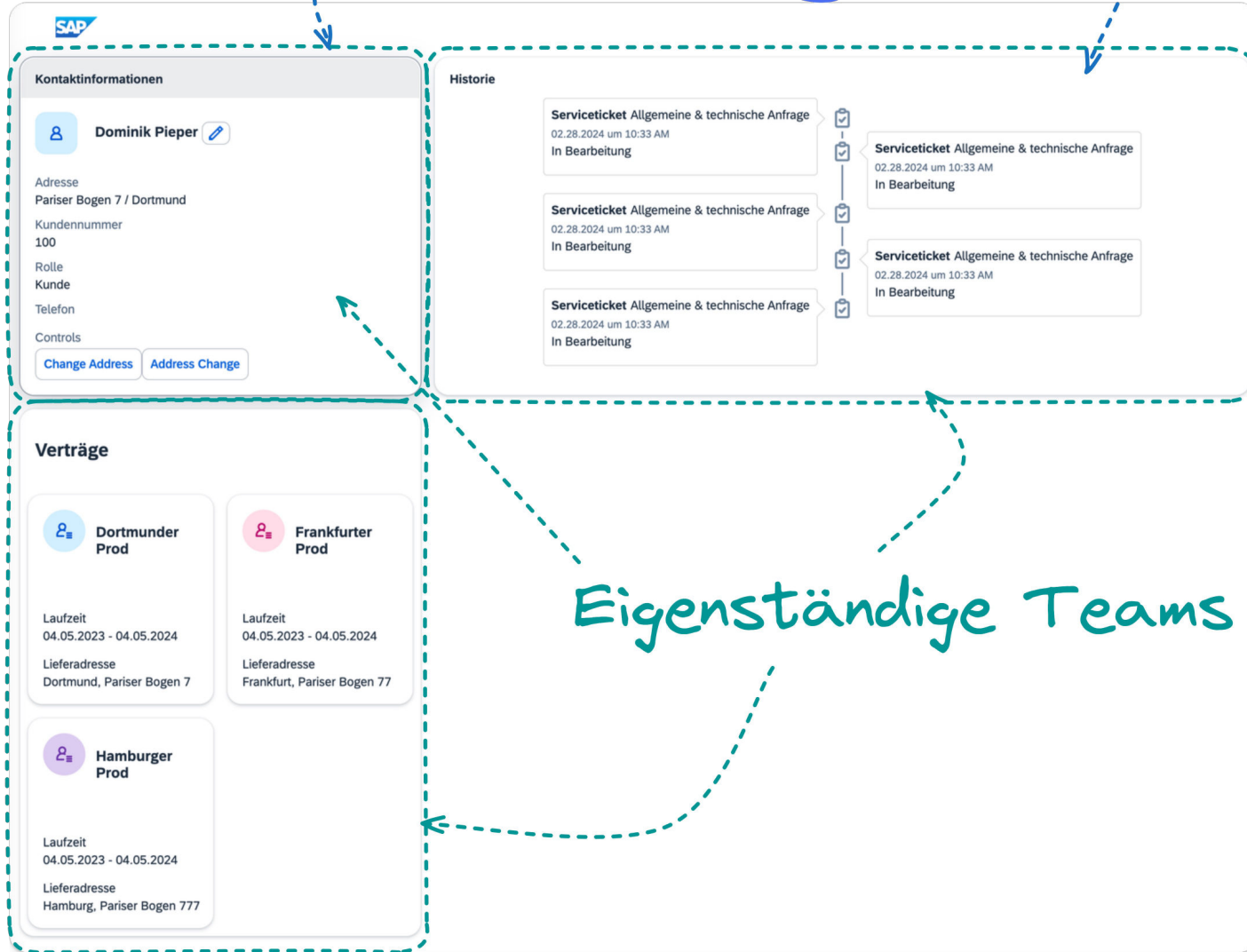
Historie

- Serviceticket Allgemeine & technische Anfrage**
02.28.2024 um 10:33 AM
In Bearbeitung
- Serviceticket Allgemeine & technische Anfrage**
02.28.2024 um 10:33 AM
In Bearbeitung
- Serviceticket Allgemeine & technische Anfrage**
02.28.2024 um 10:33 AM
In Bearbeitung

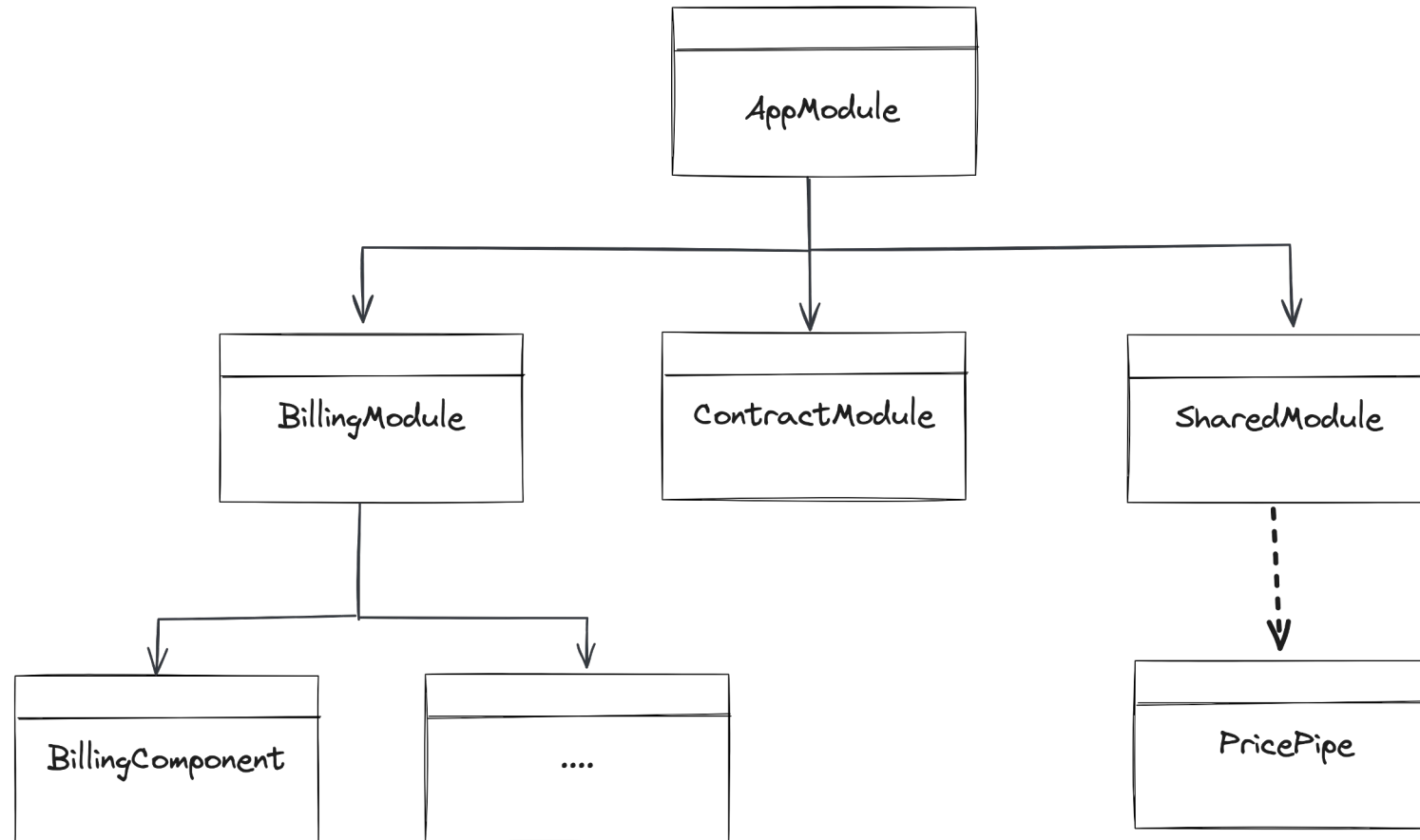
Verträge

Contract Name	Start Date	End Date	Delivery Address
Dortmunder Prod	04.05.2023	04.05.2024	Dortmund, Pariser Bogen 7
Frankfurter Prod	04.05.2023	04.05.2024	Frankfurt, Pariser Bogen 77
Hamburger Prod	04.05.2023	04.05.2024	Hamburg, Pariser Bogen 777

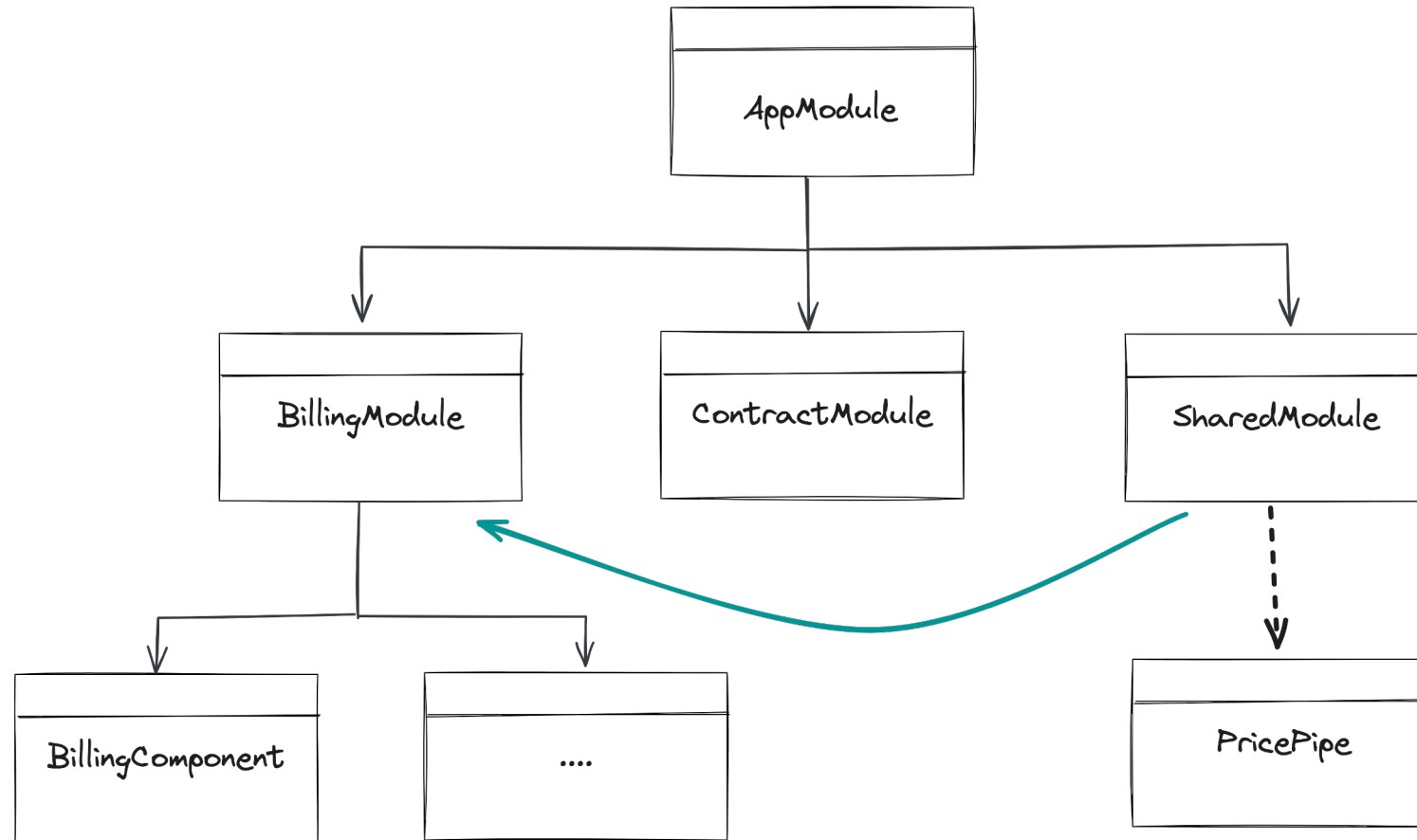
SAP Service Cloud



Organisation in Modulen

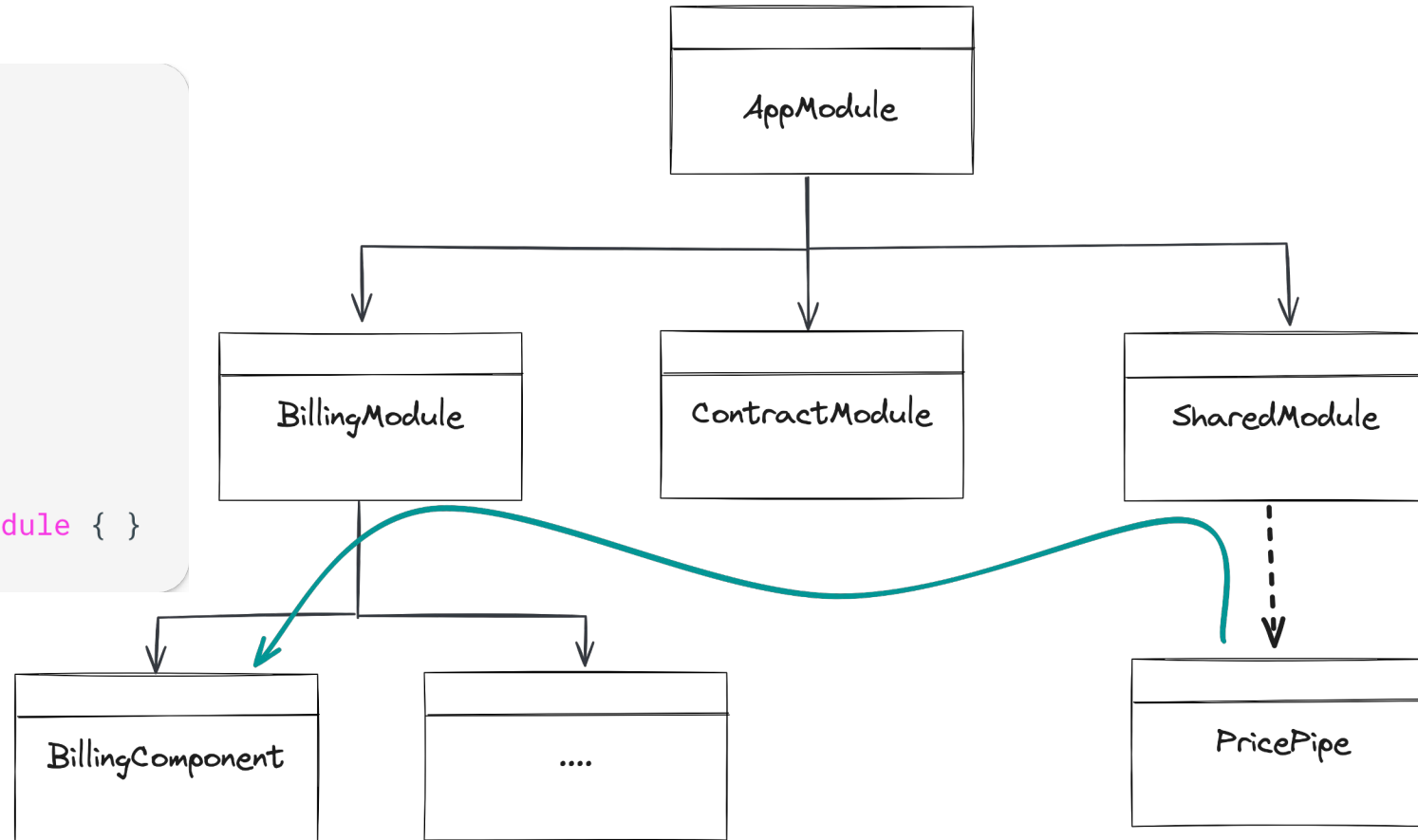


Organisation in Modulen

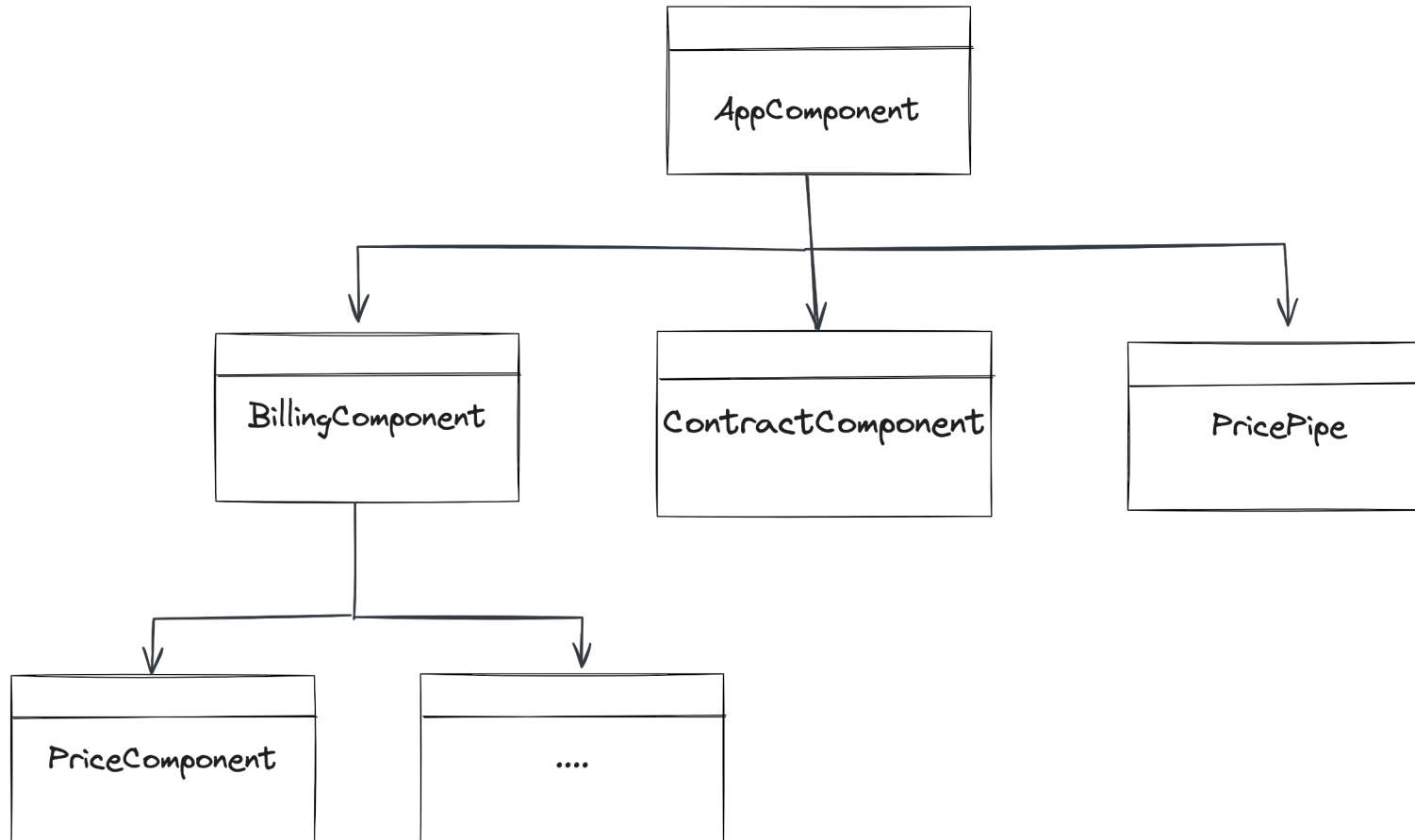


Organisation in Modulen

```
@NgModule({
  declarations: [
    BillingComponent
  ],
  imports: [
    HttpClientModule,
    SharedModule
  ],
})
export class BillingModule { }
```

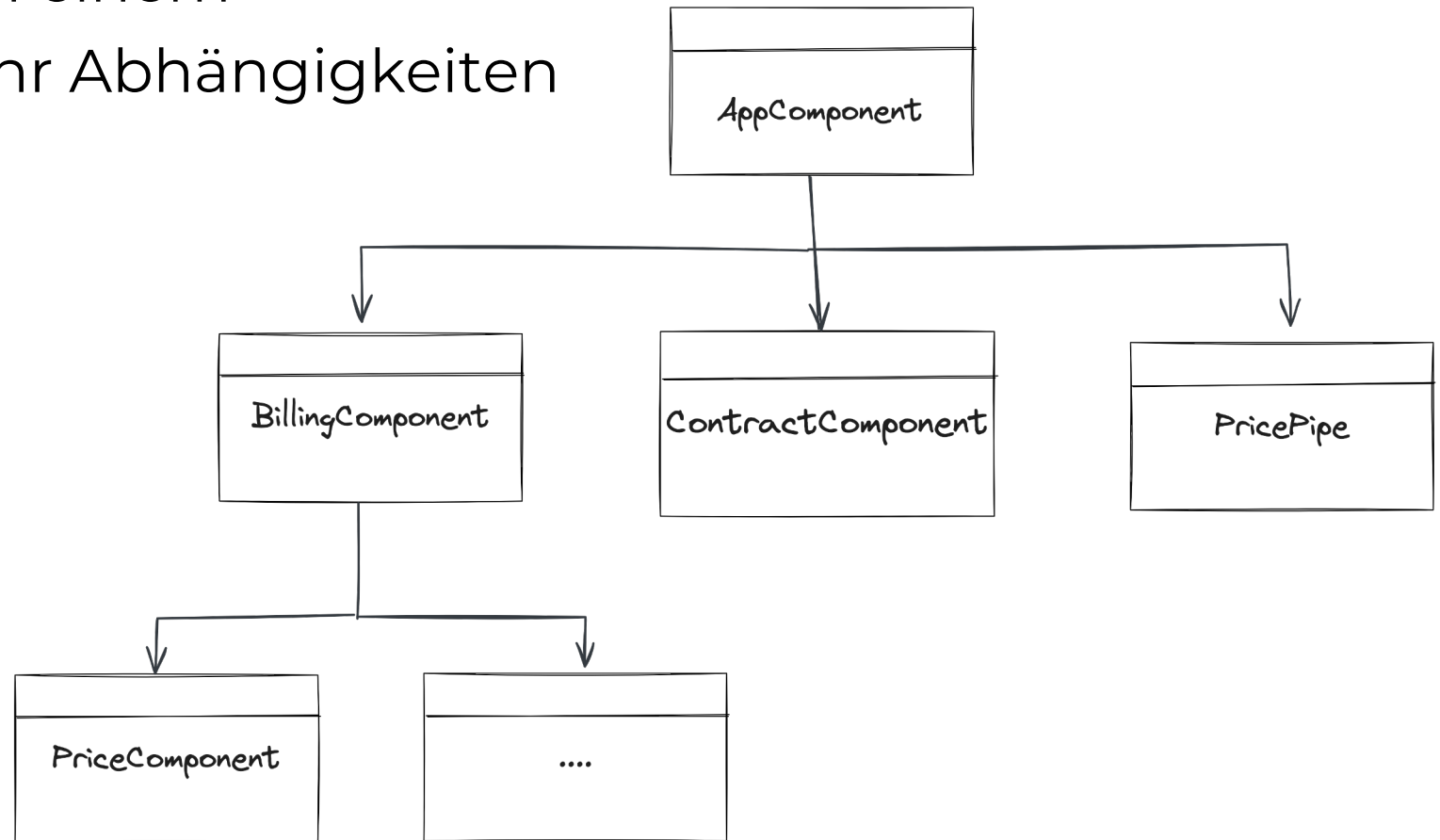


Standalone Components



Standalone Components

- Komponente und Modul in einem
- Jede Komponente kennt ihr Abhängigkeiten



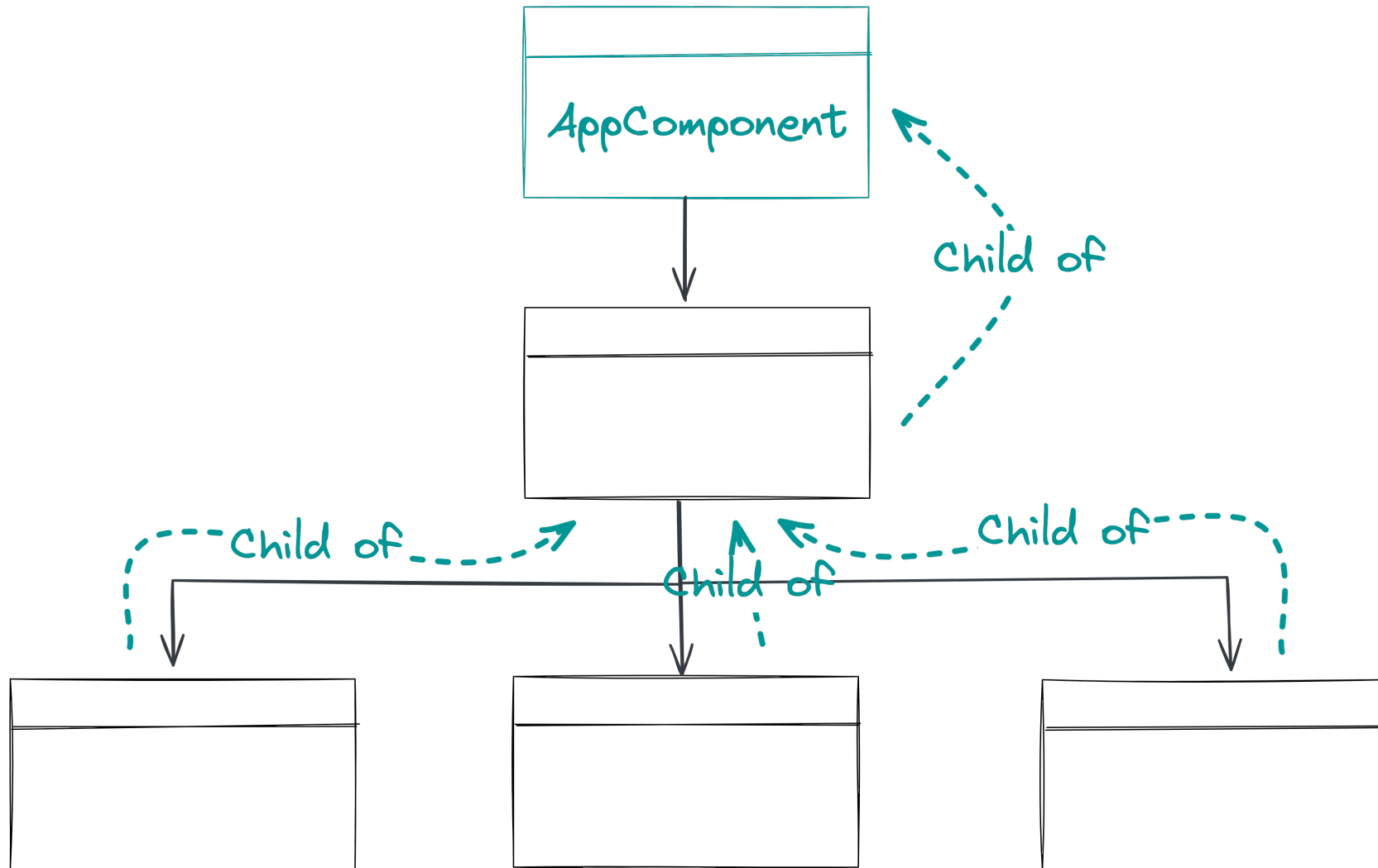
Standalone Components – Mental Model

```
@Component({
  standalone: true,
  imports: [
    FundamentalNgxCoreModule,
    ContactInfoCardComponent,
    SupplyContractsComponent,
  ],
  selector: 'abs-root',
  templateUrl: './app.component.html',
})
export class AppComponent {
```



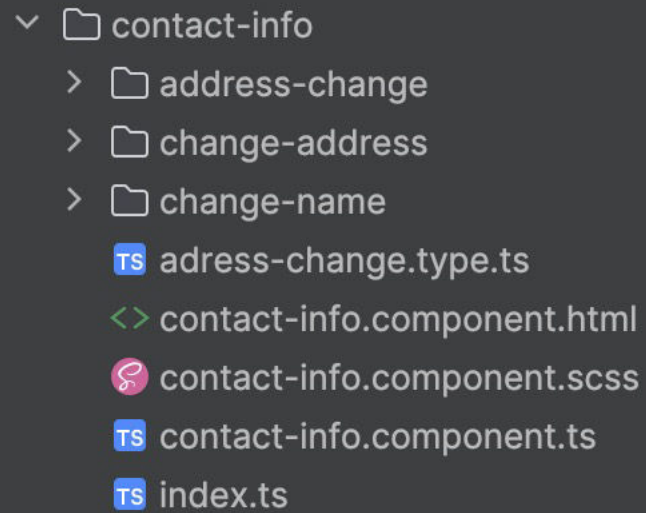
```
@NgModule({
  imports: [
    FundamentalNgxCoreModule,
    ContactInfoCardComponent,
    SupplyContractsComponent,
  ],
})
export class AppModule { }
```

```
@Component({
  selector: 'abs-root',
  templateUrl: './app.component.html',
})
export class AppComponent {
```



Standalone Components – Structure

- Structure with Folders...



```

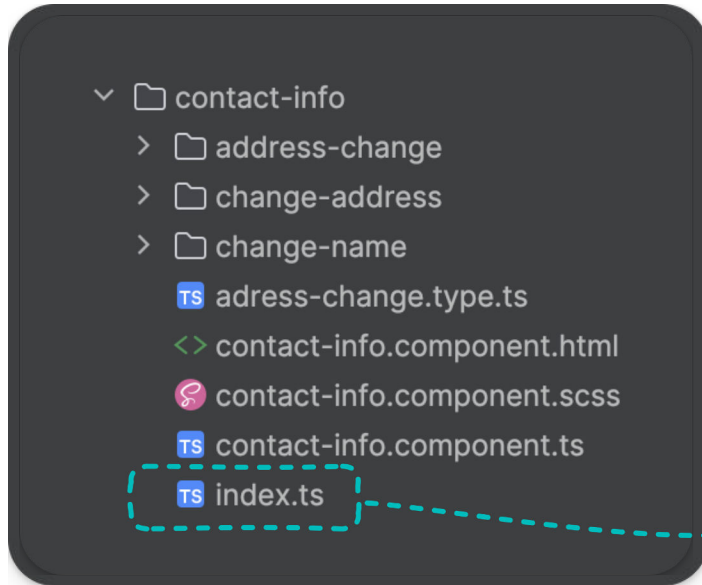
├── contact-info
│   ├── address-change
│   ├── change-address
│   ├── change-name
│   ├── adress-change.type.ts
│   ├── contact-info.component.html
│   ├── contact-info.component.scss
│   ├── contact-info.component.ts
│   └── index.ts

```

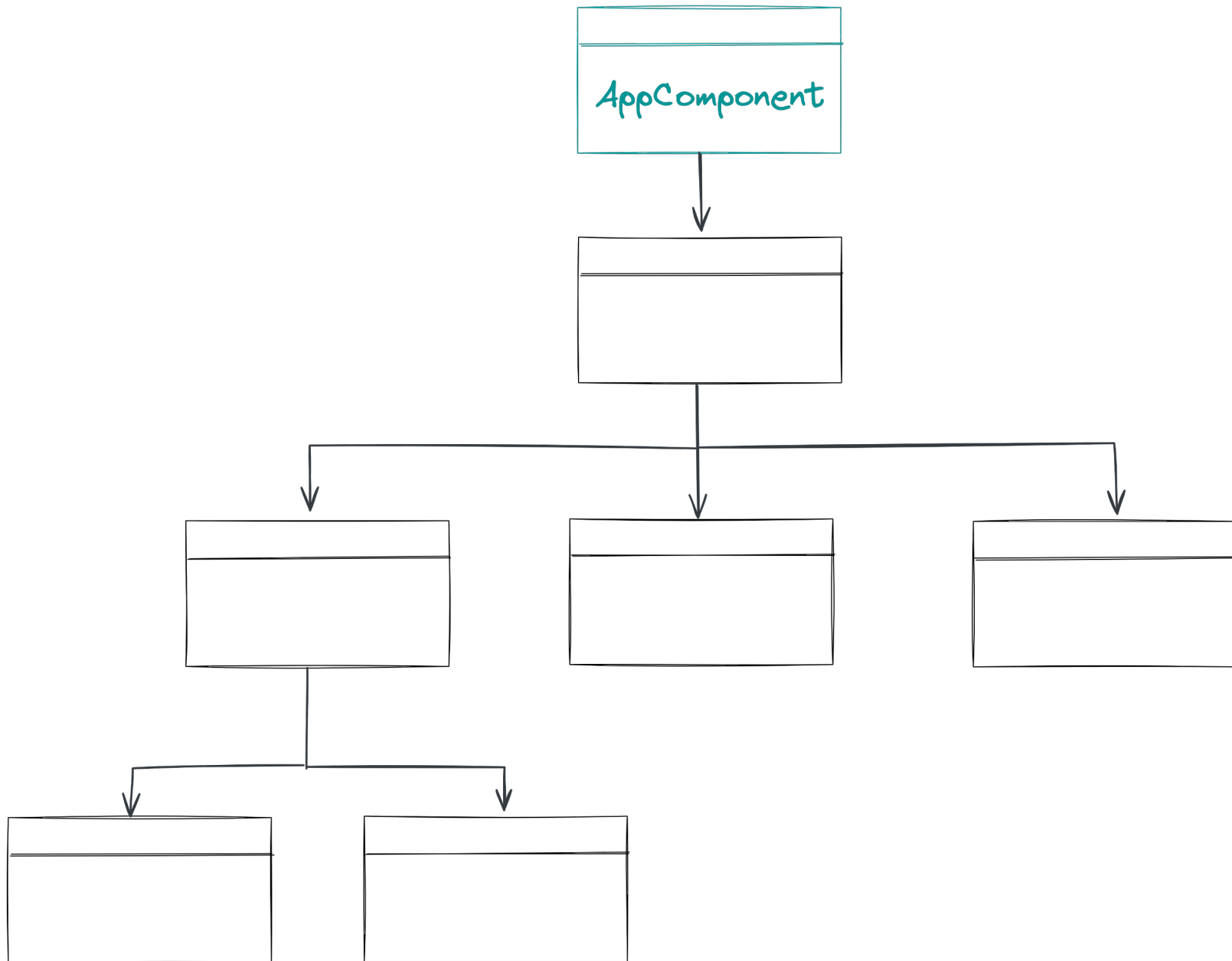
A screenshot of a file explorer showing the structure of a standalone component named 'contact-info'. The component is organized into a folder structure with sub-folders for 'address-change', 'change-address', and 'change-name'. The main component folder contains several files: 'adress-change.type.ts', 'contact-info.component.html', 'contact-info.component.scss', 'contact-info.component.ts', and 'index.ts'. Each file is preceded by a small icon representing its type (e.g., a blue 'ts' icon for TypeScript files, a green '<>' icon for HTML, and a pink 's' icon for SCSS).

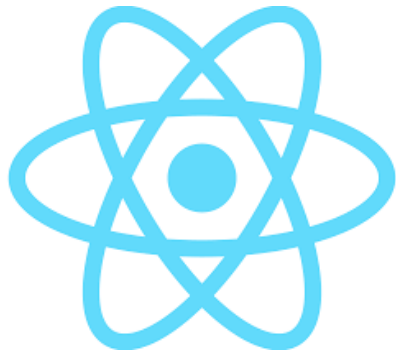
Standalone Components – Structure

- ... and Barrels



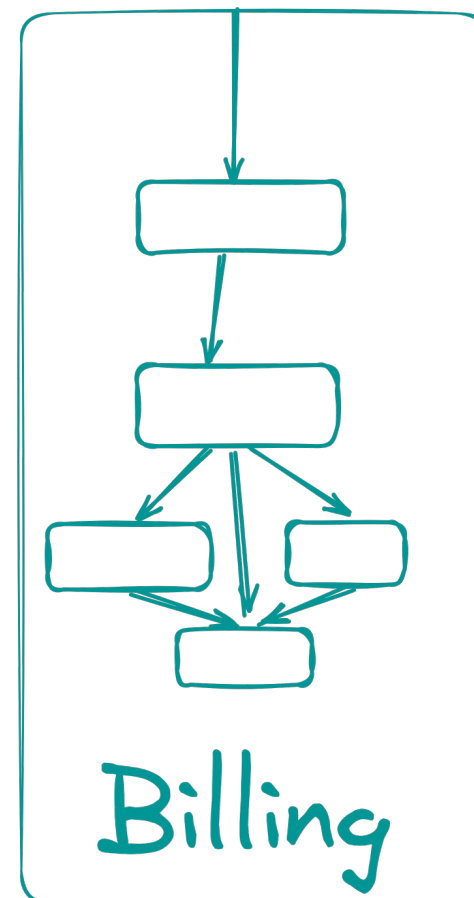
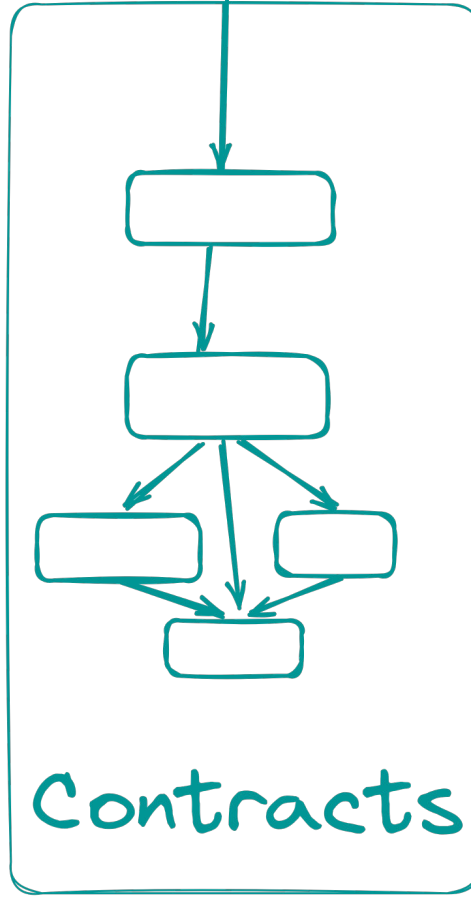
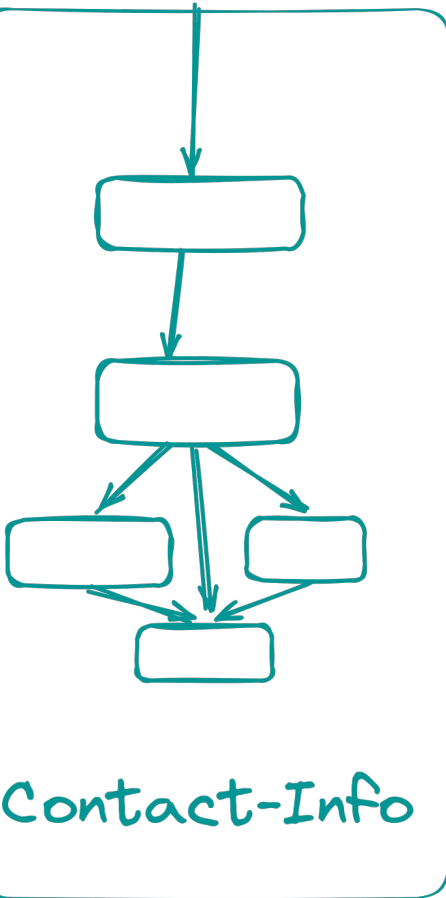
```
export * from './contact-info.component';  
export * from './change-name/change-name.component';  
export * from './change-address/change-address.component';  
export * from './address-change/address-change.component';
```

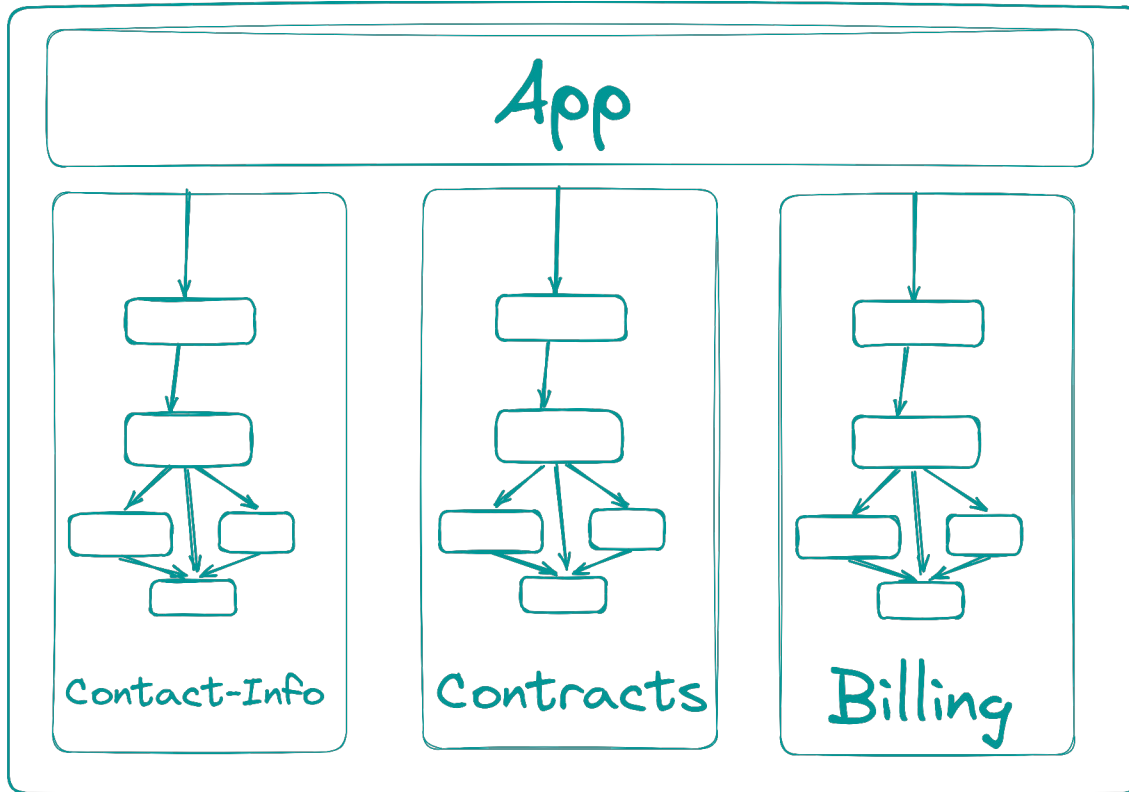




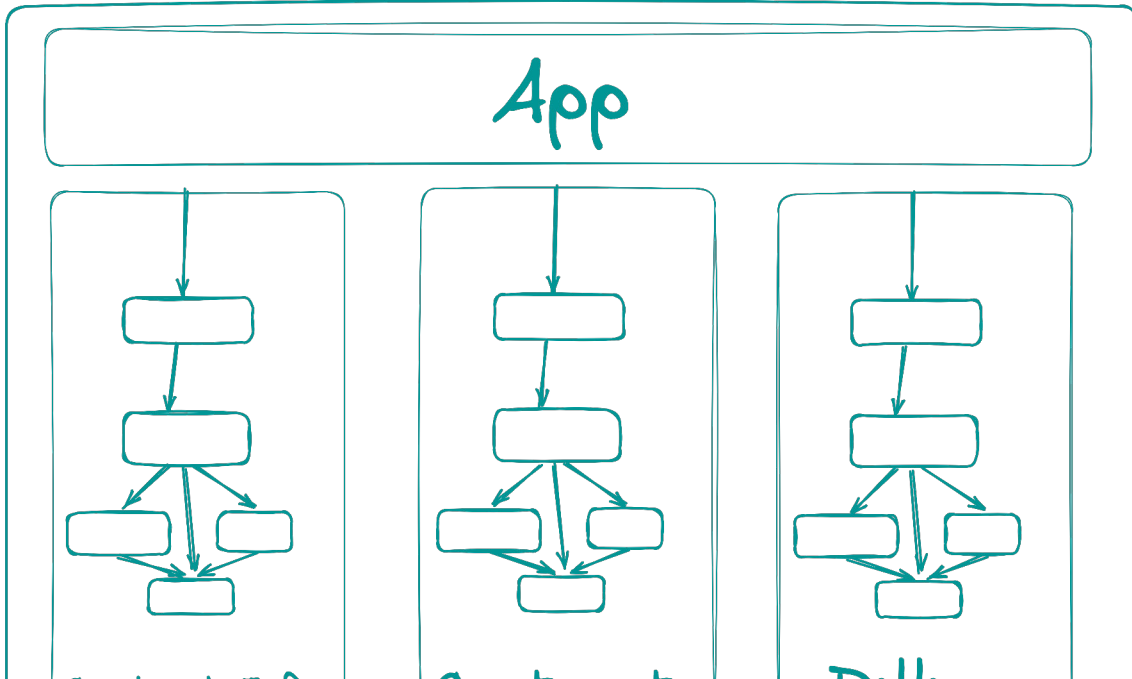


App





```
"depConstraints": [  
  {  
    "sourceTag": "scope:billing",  
    "onlyDependOnLibsWithTags": ["scope:billing", "scope:shared"]  
  },  
  {  
    "sourceTag": "scope:contracts",  
    "onlyDependOnLibsWithTags": ["scope:contracts", "scope:shared"]  
  },  
  {  
    "sourceTag": "scope:shared",  
    "onlyDependOnLibsWithTags": ["scope:shared"]  
  },  
]
```



```

"depConstraints": [
  {
    "sourceTag": "scope:billing",
    "onlyDependOnLibsWithTags": ["scope:billing", "scope:shared"]
  },
  {
    "sourceTag": "scope:contracts",
    "onlyDependOnLibsWithTags": ["scope:contracts", "scope:shared"]
  },
  {
    "sourceTag": "scope:shared",
    "onlyDependOnLibsWithTags": ["scope:shared"]
  },
]

```

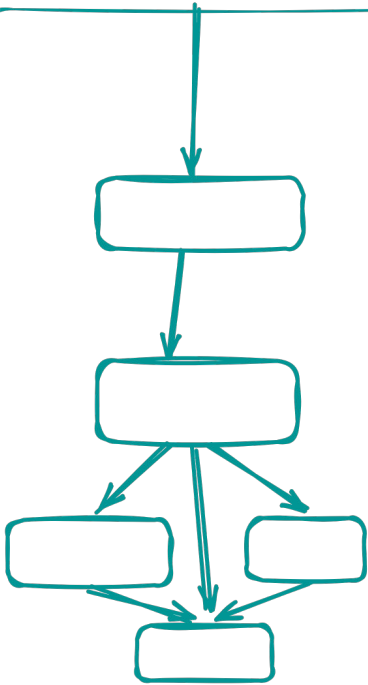
```

import { FormService } from '@angular/forms',
import {
  ESLint: A project tagged with "scope:billing" can only depend on libs tagged with "scope:billing", "scope:shared"(@nx/enforce-module-boundaries)
  Suppress '@nx/enforce-module-boundaries' for current line
  CustomerService,
}

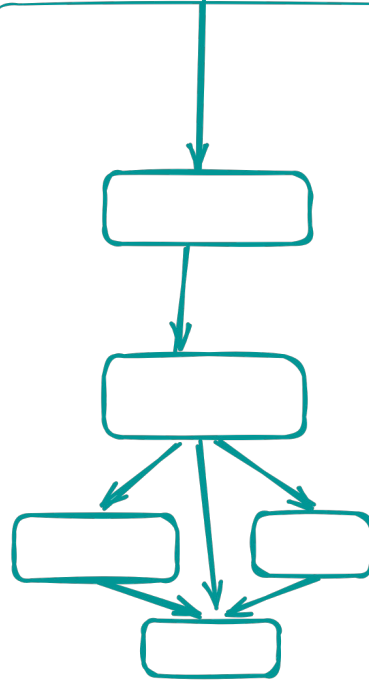
```



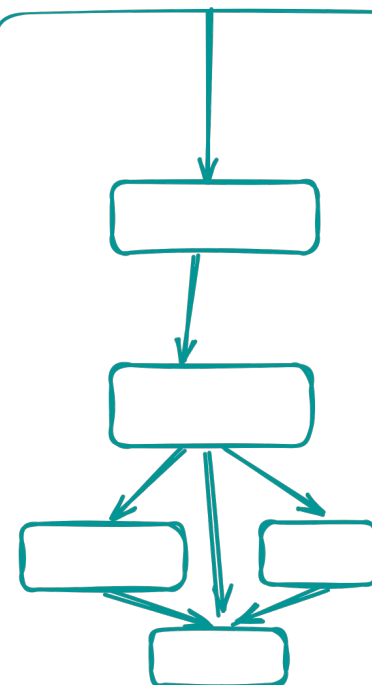
App



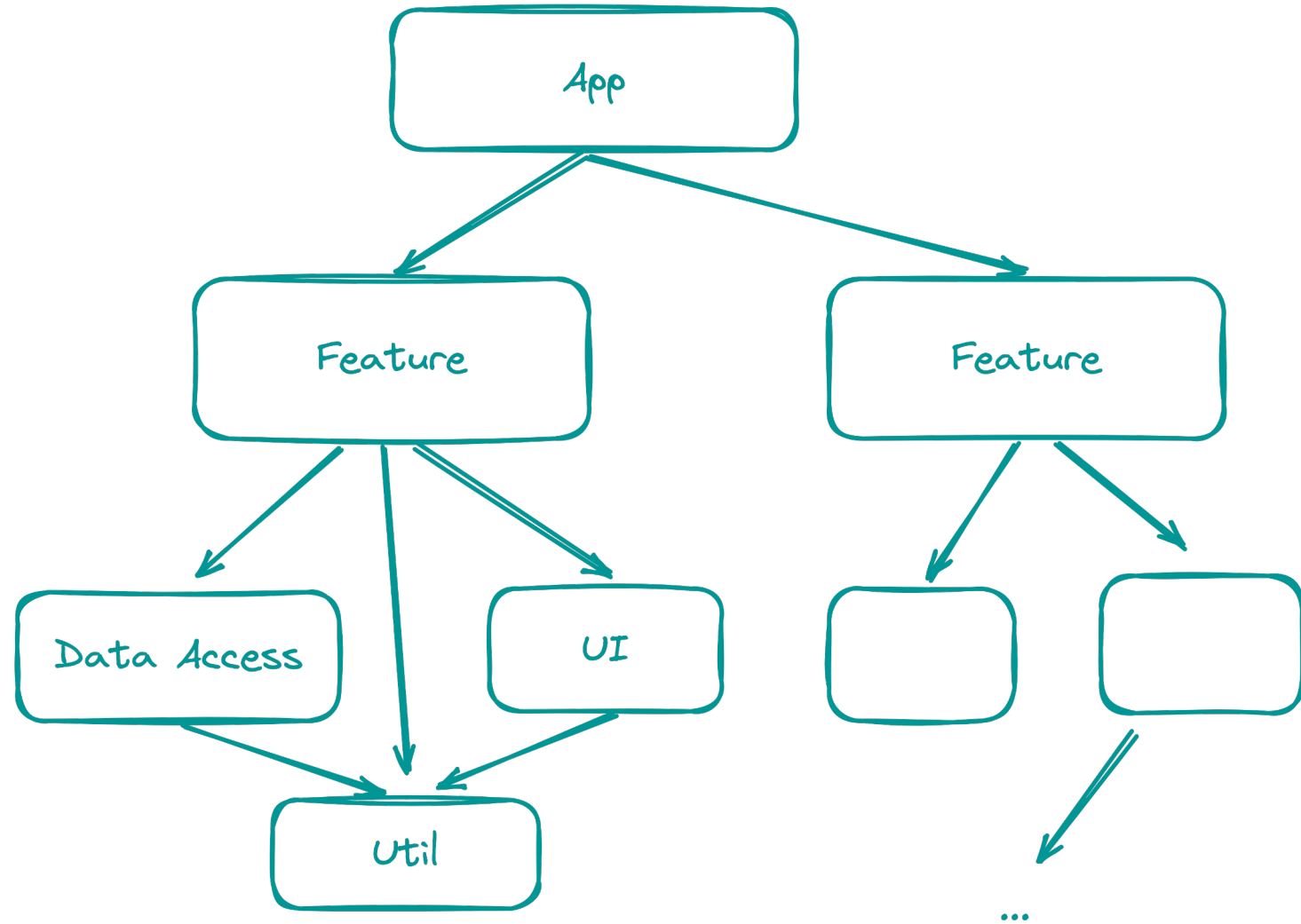
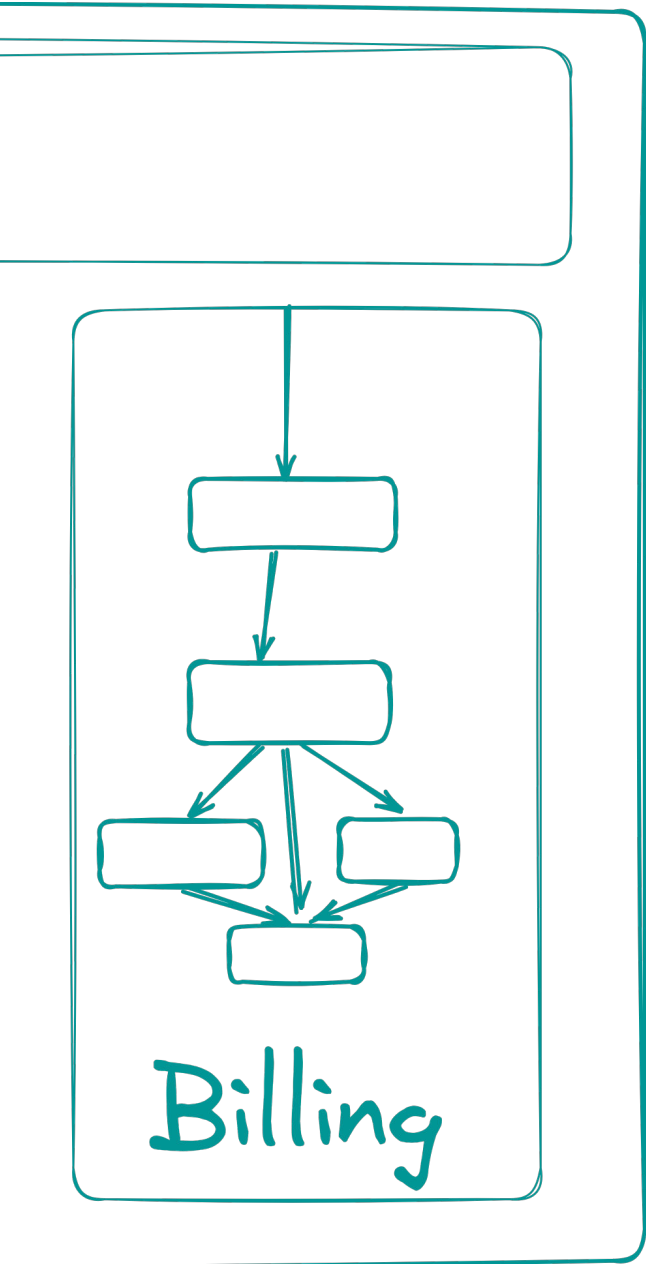
Contact-Info



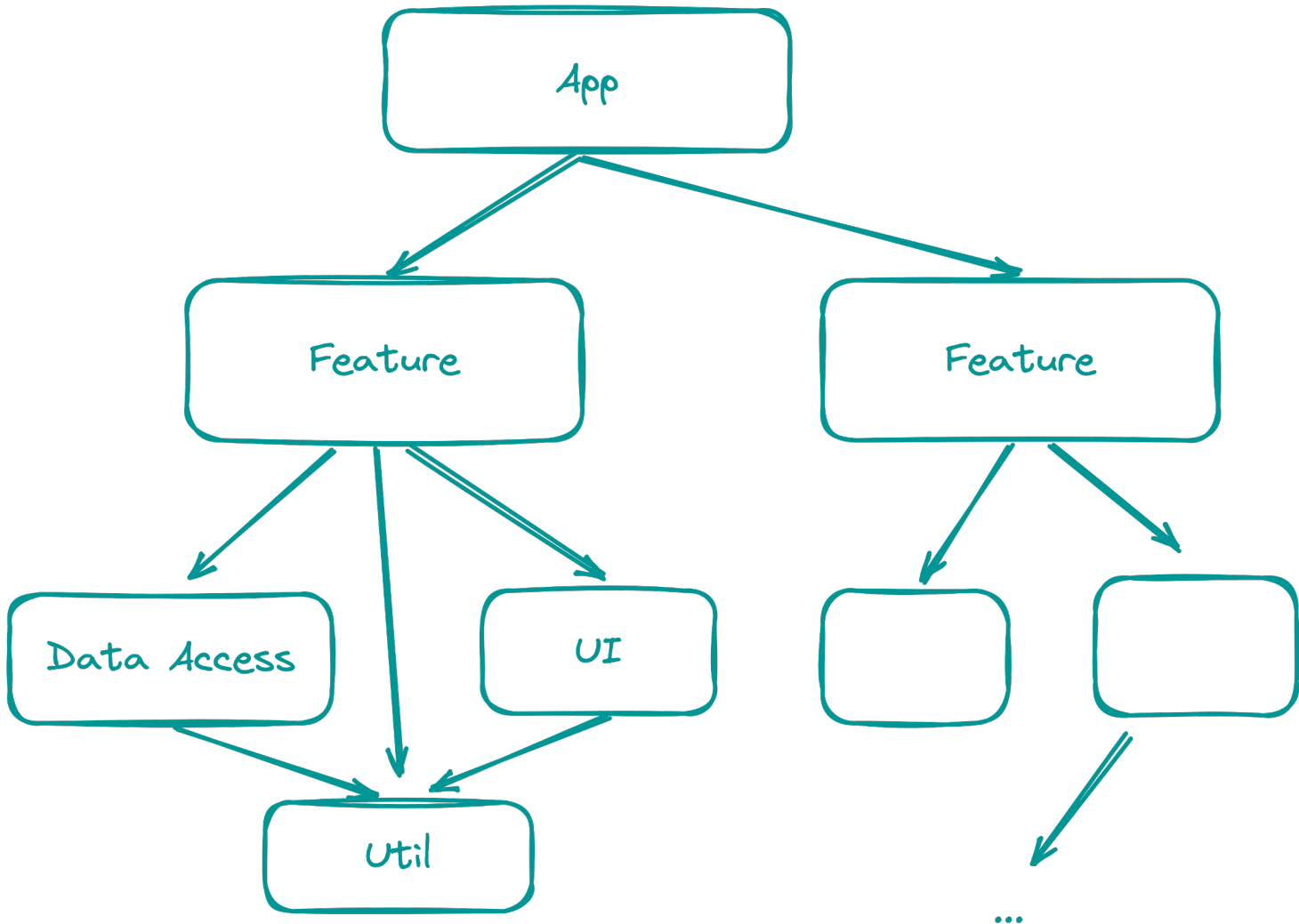
Contracts



Billing



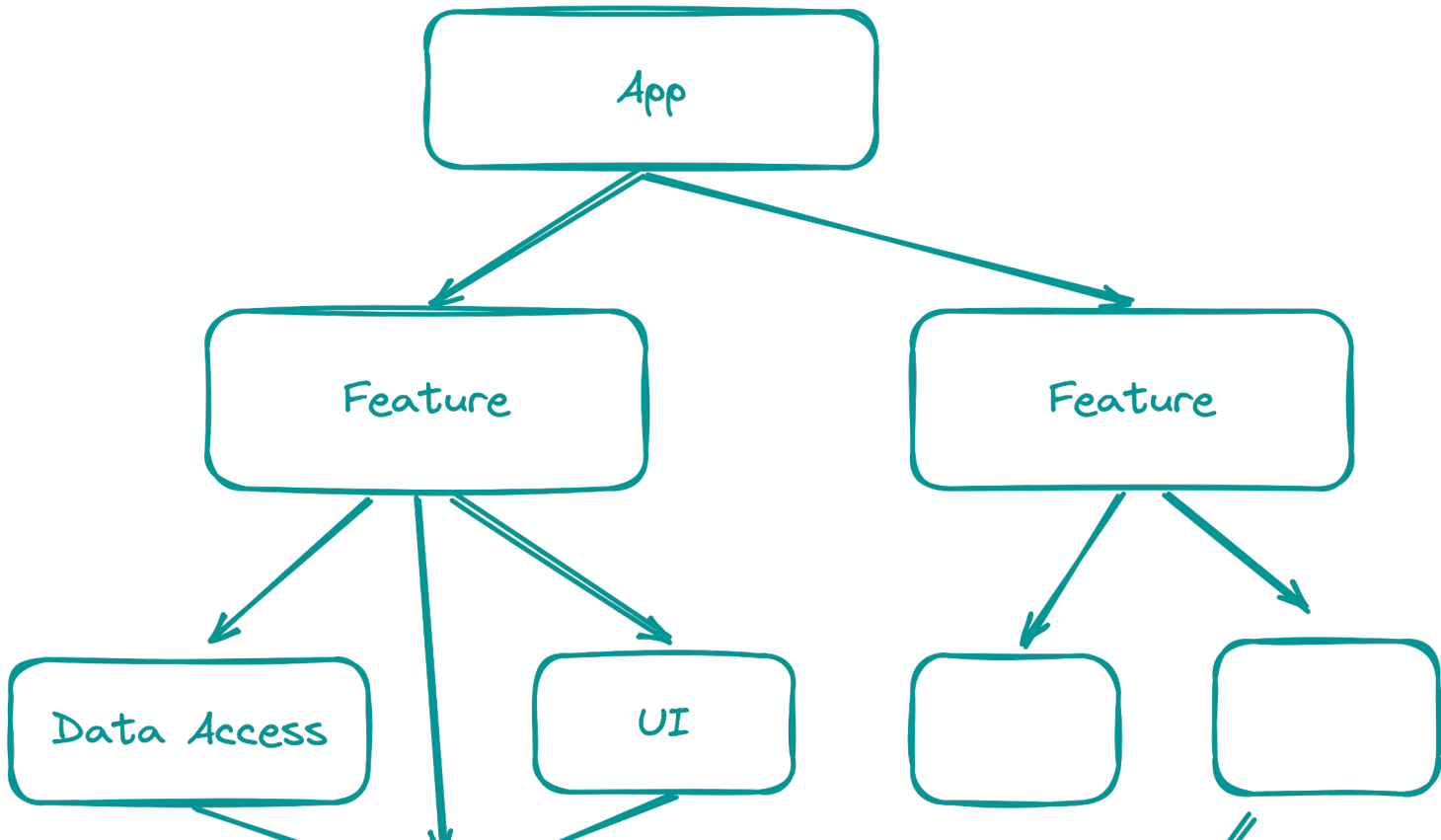
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```

"depConstraints": [
  {
    "sourceTag": "type:app",
    "onlyDependOnLibsWithTags": [
      "type:feature",
      "type:data-access",
      "type:ui",
      "type:util"
    ]
  },
  {
    "sourceTag": "type:feature",
    "onlyDependOnLibsWithTags": [
      "type:data-access",
      "type:ui",
      "type:util"
    ]
  },
  {
    "sourceTag": "type:data-access",
    "onlyDependOnLibsWithTags": ["type:data-access", "type:util"]
  },
  {
    "sourceTag": "type:ui",
    "onlyDependOnLibsWithTags": ["type:ui", "type:util"]
  },
  {
    "sourceTag": "type:util",
    "onlyDependOnLibsWithTags": ["type:util"]
  }
]

```

```

"depConstraints": [
  {
    "sourceTag": "type:app",
    "onlyDependOnLibsWithTags": [
      "type:feature",
      "type:data-access",
      "type:ui",
      "type:util"
    ]
  },
  {
    "sourceTag": "type:feature",
    "onlyDependOnLibsWithTags": [
      "type:data-access",
      "type:ui",
      "type:util"
    ]
  },
  {
    "sourceTag": "type:data-access",
    "onlyDependOnLibsWithTags": ["type:data-access", "type:util"]
  },
  {
    "sourceTag": "type:ui",
  }
]
  
```

```

import { FormModule } from '@angular/forms';
import {
  ESLint: A project tagged with "scope:billing" can only depend on libs tagged with "scope:billing", "scope:shared"(@nx/enforce-module-boundaries)
  Suppress '@nx/enforce-module-boundaries' for current line
  CustomerService,
}
  
```

Pick Your Stack!



Express



Vue



Next



Nuxt



Nest



Remix



Expo



React
Native



Fastify



Svelte



Solid



Lit



Astro



Qwik



Rust



Go



.NET



Cypress



Playwright



Vite



Storybook



Jest



Rspack

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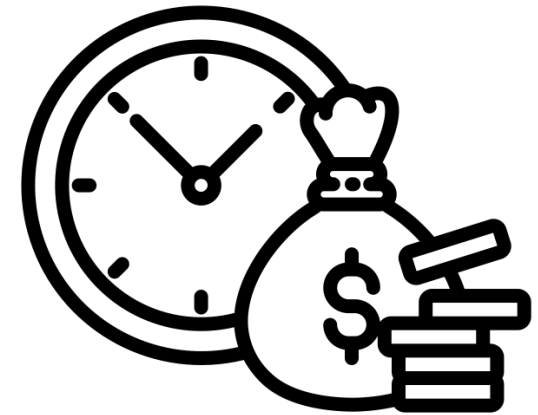
Und selbst wenn ihr noch nicht sicher seid, ob ihr das alles benötigt:



=>



=



Thanks for listening!

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<https://conciso.de>

Contentletter abonnieren

Ihr Name *

Ihre E-Mail *

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