



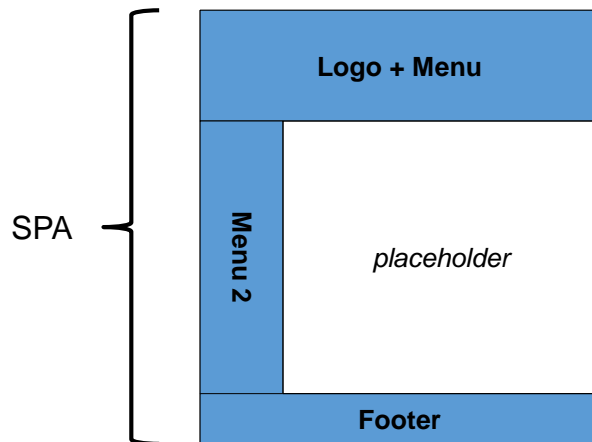
# Navigation and Routing

Manfred Steyer  
**SOFTWARE**architekt.at

## Agenda

- Motivation
- Configuration
- Routing-Parameters

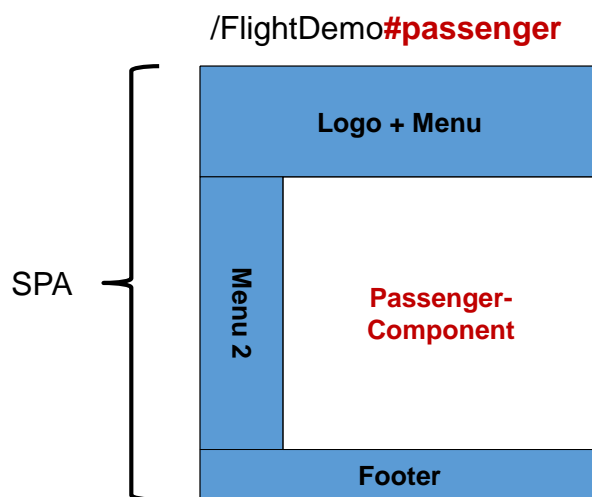
## Routing in Angular



Page • 4

SOFTWAREarchitekt.at

## Routing in Angular



Page • 5

SOFTWAREarchitekt.at

## Parameter

- `passagier/7`
- `passagier/7?details=true&page=7`
- `passagier/7;details=true;page=7`
- `passagier/7;details=true;page=7/flights`



## Angular Router

# Configuration

```
const APP_ROUTES: Routes = [  
  {  
    path: 'home',  
    component: HomeComponent  
  },  
  {  
    path: 'flight-search',  
    component: FlightSearchComponent  
  }  
]
```

# Configuration

```
const APP_ROUTES: Routes = [  
  {  
    path: '',  
    redirectTo: 'home',  
    pathMatch: 'full'  
  },  
  {  
    path: 'home',  
    component: HomeComponent  
  },  
  {  
    path: 'flight-search',  
    component: FlightSearchComponent  
  }  
]
```

# Configuration

```
const APP_ROUTES: Routes = [
  {
    path: '',
    redirectTo: 'home',
    pathMatch: 'full'
  },
  {
    path: 'home',
    component: HomeComponent
  },
  [...]
  {
    path: '**',
    redirectTo: 'home'
  }
]
```

Page • 10

SOFTWAREarchitekt.at

# Configuration

```
// app.module.ts
@NgModule({
  imports: [
    BrowserModule,
    HttpClientModule,
    FormsModule,
    RouterModule.forRoot(APP_ROUTES)
  ],
  [...],
})
export class AppModule {
}
```

**for Root-Module**

**for Feature-Module: forChild**

Page • 11

SOFTWAREarchitekt.at

## View of the AppComponent

```
<a routerLink="/home">Home</a>
<a routerLink="/flight-search">Flight search</a>

<div>
  <router-outlet></router-outlet>
</div>
```

## Programmatic Routing

```
export class AppComponent {

  constructor(private router: Router) {

  }

  navigateToFlightSearch() {
    this.router.navigate(['/flight-search']);
  }

}
```



# Routing with Parameters

Page # 14

## Configuration

```
const APP_ROUTES: Routes = [  
  [...]  
  {  
    path: 'flight-search',  
    component: FlightSearchComponent  
  },  
  {  
    path: 'flight-edit/:id',  
    component: FlightEditComponent  
  }  
]
```

Page # 15

**SOFTWARE**architekt.at

## Getting Route Parameters

```
export class FlightEditComponent {  
  public id: string;  
  
  constructor(  
    private route: ActivatedRoute) {  
  
    route.params.subscribe(  
      p => {  
        this.id = p['id'];  
        [...]  
      }  
    );  
  }  
  [...]  
}
```

Page • 16

SOFTWAREarchitekt.at

## Link to Routes with Parameters

```
<a [routerLink]="['/flight-edit', flight.id]">Edit</a>
```

Page • 17

SOFTWAREarchitekt.at



## Link to Routes with Parameters

```
<a [routerLink]="['/flight-edit', flight.id, {showDetails: true}]">Edit</a>
```

## DEMO