

Overview



Route Configuration

Router Outlets

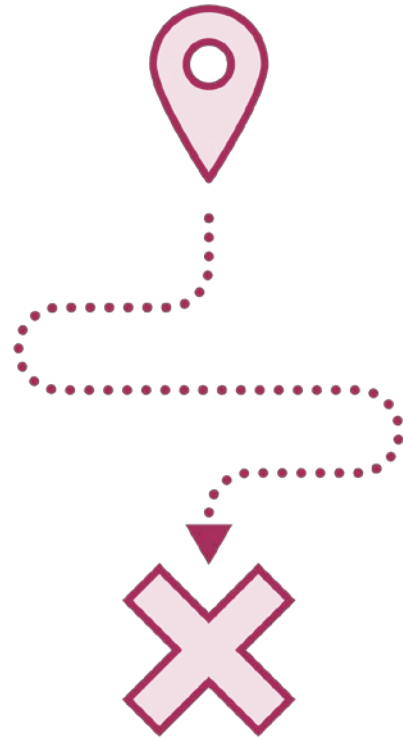
Router Links

Route Parameters

Child Routers



Routing



Routing

Routing allows our application to navigate between different Components, passing parameters where needed



Routing Then and Now

Angular 1

Angular 2

```
<script src="node_modules/angular2/bundles/router.dev.js"></script>
```

Routing Script

Routing is in a separate module

Add the reference to **router.dev.js**

Add **<base href="/">** to index.html



Routing in 4 Steps

`ROUTER_PROVIDERS`

`@RouteConfig`

`<router-outlet>`

`[routerLink]`



vehicles.component.ts

Must be PascalCase

```
@RouteConfig([
  { path: '/', name: 'Vehicles', component: VehicleListComponent, useAsDefault: true },
  { path: '/list/:id', name: 'Vehicles', component: VehicleListComponent },
  { path: '/:id', name: 'Vehicle', component: VehicleComponent }
])
export class VehiclesComponent { }
```

Default route

Routing parameters

@RouteConfig

@RouteConfig accepts an array of route definitions

path maps the address

component maps to the Component and its Template



Component

```
@Component({  
  selector: 'story-vehicles',  
  template: '<router-outlet></router-outlet>',  
  directives: [ROUTER_DIRECTIVES],  
  providers: [VehicleService]  
})
```

Declare routing
directives

Declaring Routing Directives

Tells the Template what **routerLink** and **<router-outlet>** are



app.component.ts

Go to this route name

```
<nav>
  <a [routerLink]="['Dashboard']">Dashboard</a>
  <a [routerLink]="['Characters']">Characters</a>
  <a [routerLink]="['Vehicles']">Vehicles</a>
  <router-outlet></router-outlet>
</nav>
```

Place the content here

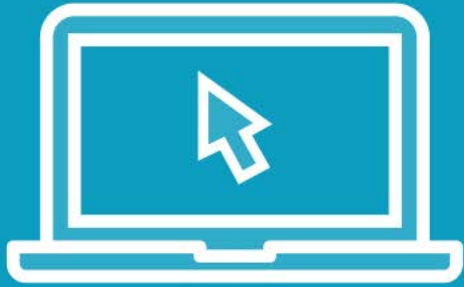
Routing Directives

<router-outlet> is where the Component's Template will appear

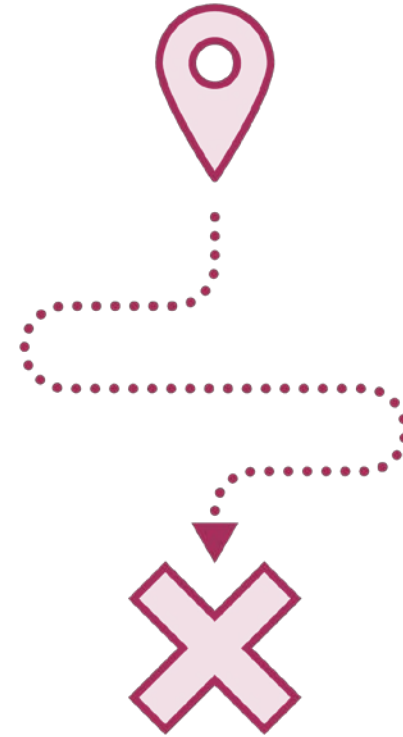
routerLink navigates to a route

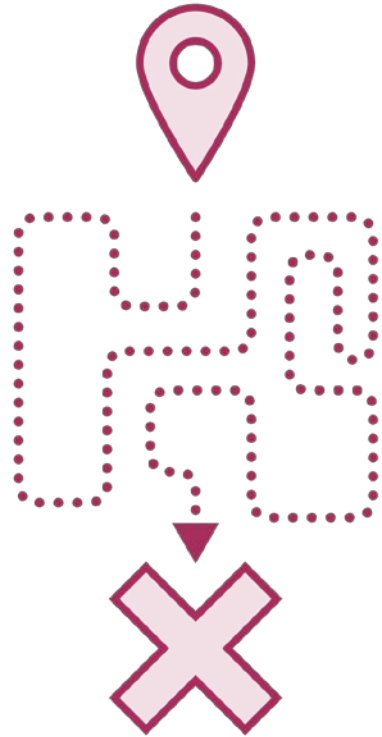


Demo



Routing





Child Routers



Child Routers

A Component may define routes for other Components. This creates a series of hierarchical child routes.



```
@RouteConfig([
  { path: '/dashboard', name: 'Dashboard', component: DashboardComponent, useAsDefault: true },
  { path: '/characters/...', name: 'Characters', component: CharactersComponent },
  { path: '/vehicles/...', name: 'Vehicles', component: VehiclesComponent }
])
```

Child route

Child Routes

@RouteConfig accepts an array of route definitions

/... indicates a child route



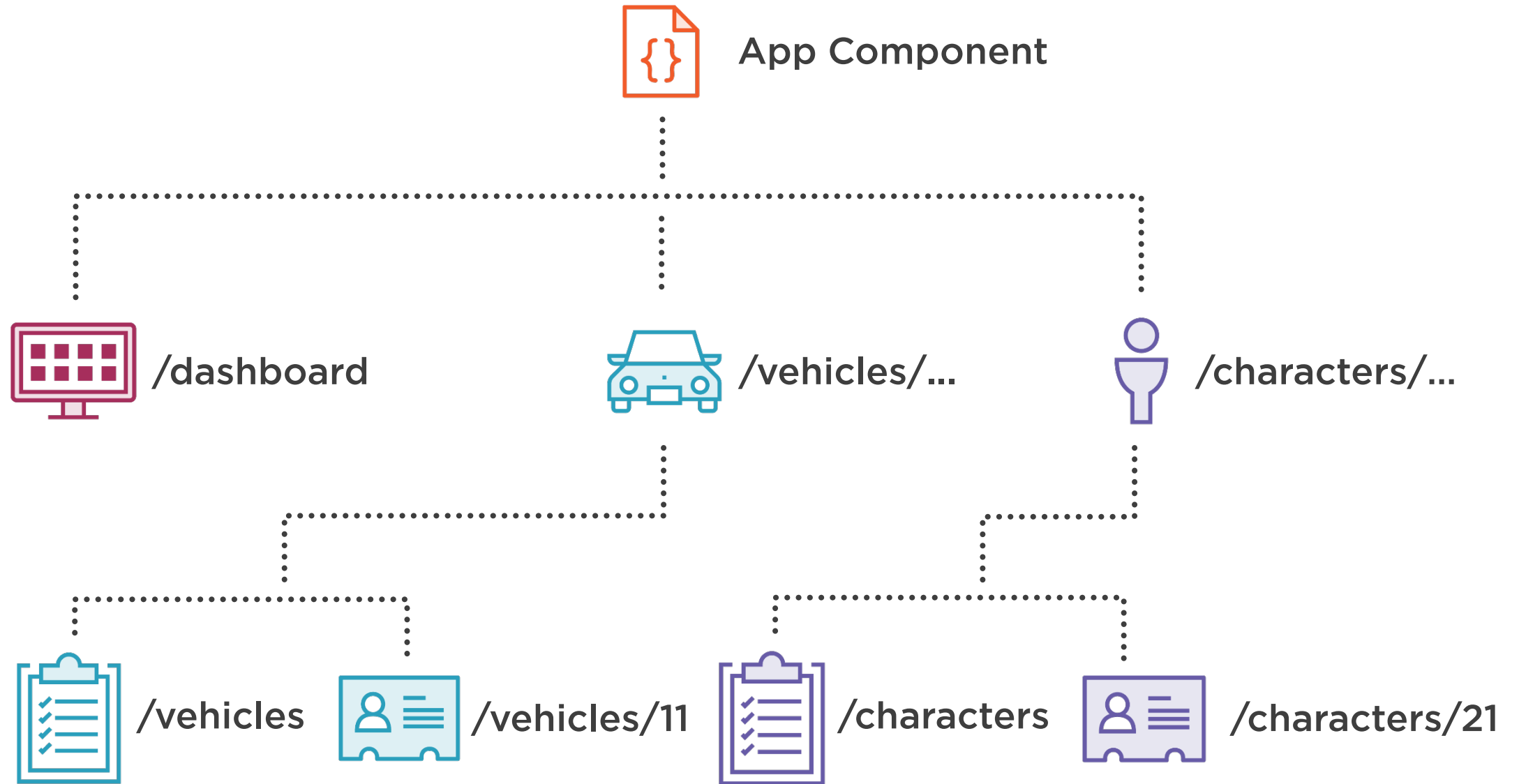
```
@RouteConfig([
  {
    path: '/',
    name: 'Vehicles',
    component: VehicleListComponent,
    useAsDefault: true
  },
  {
    path: '/:id',
    name: 'Vehicle',
    component: VehicleComponent
  }
])
```

Router Component

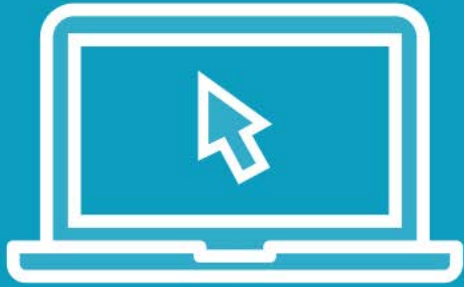
Router Component defines the routes for a set of components

No awareness of who or if there is a parent route component

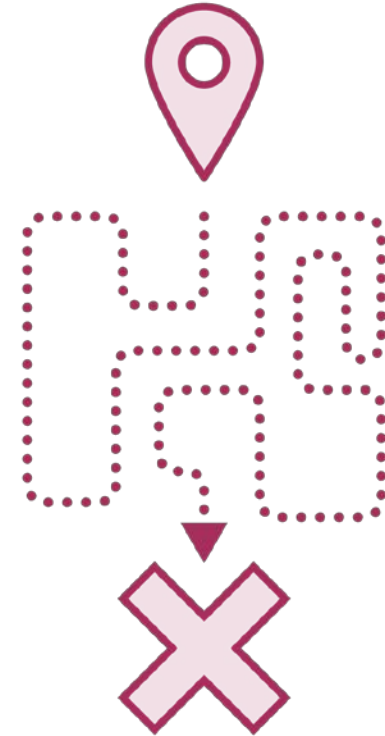




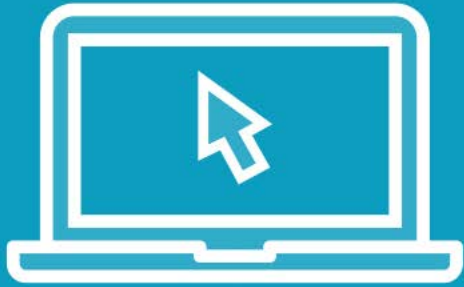
Demo



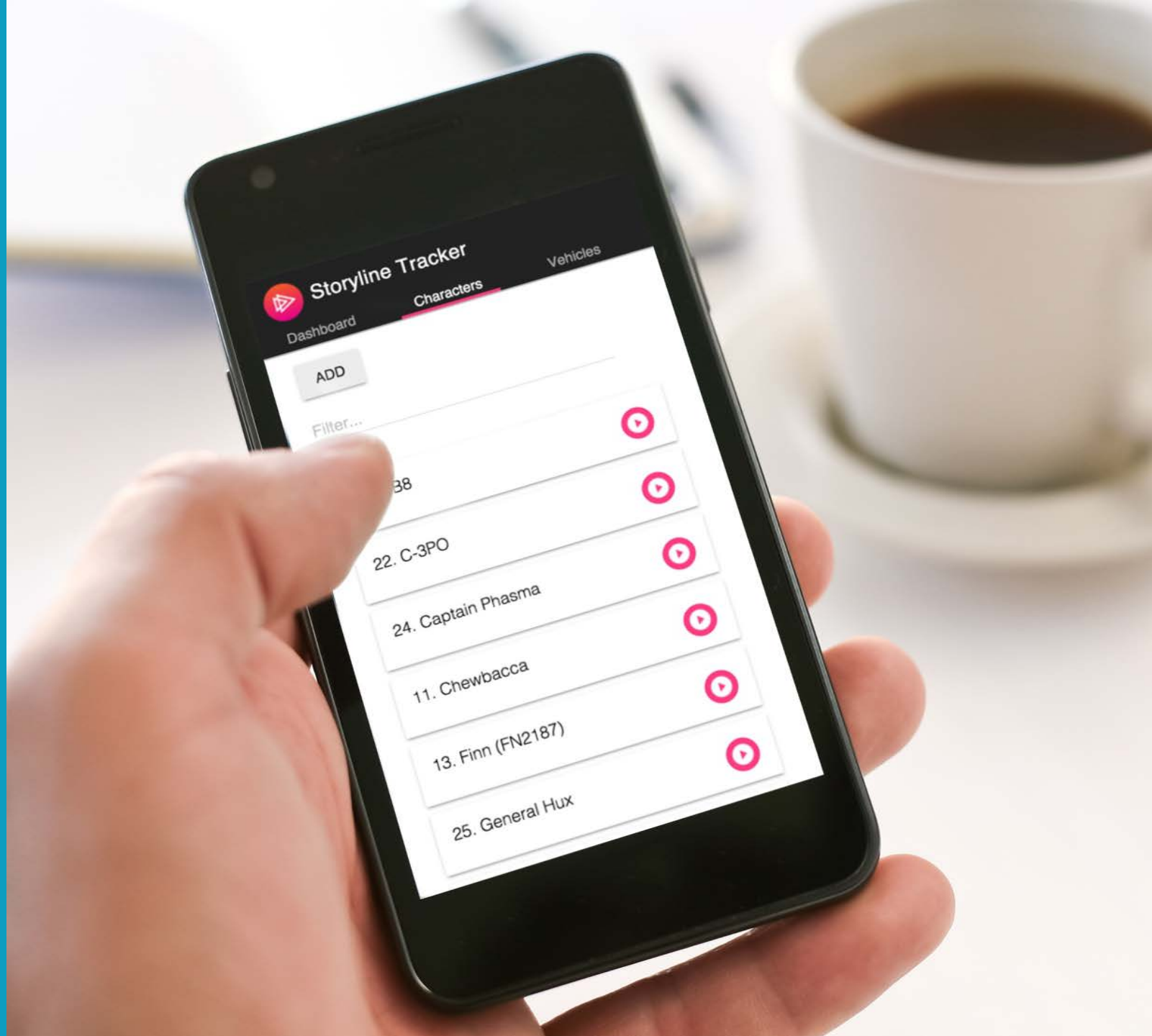
Child Routing



Demo



Putting It All Together



Routing



Routing essentials (config, link, outlet)

Routing Parameters

Routing API

Child Router helps isolate features

