



Angular Modules

Hosted by Alex Thalhammer

Goal

Get to know and be able to use options for

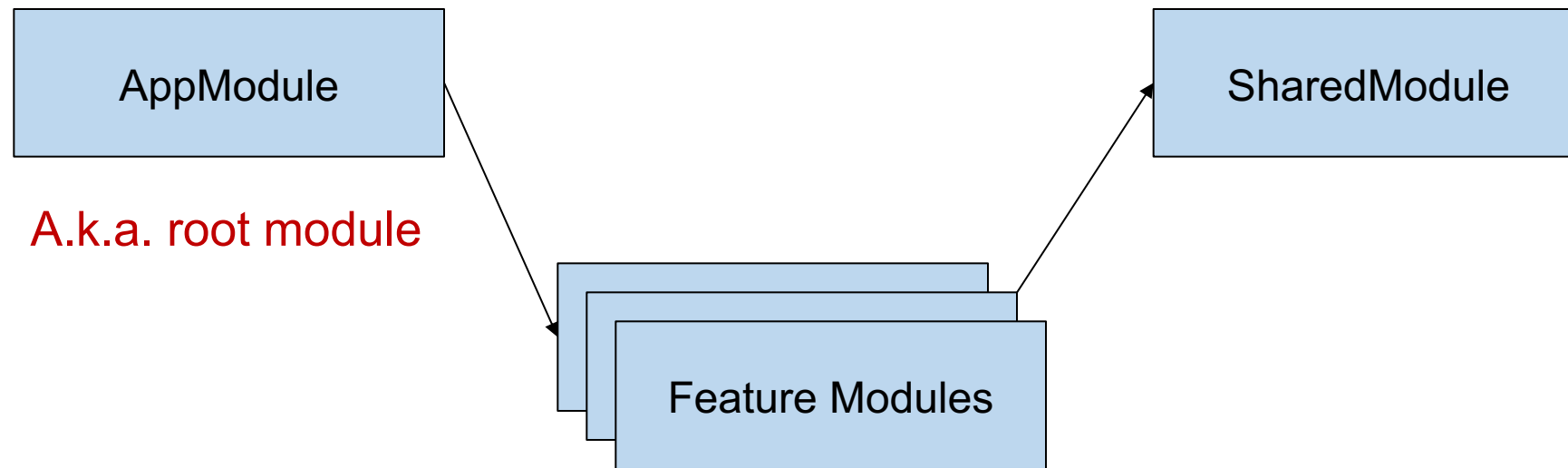
- structuring an Angular application with modules
- later we will see how we can use this for performance optimization

Current AppModule

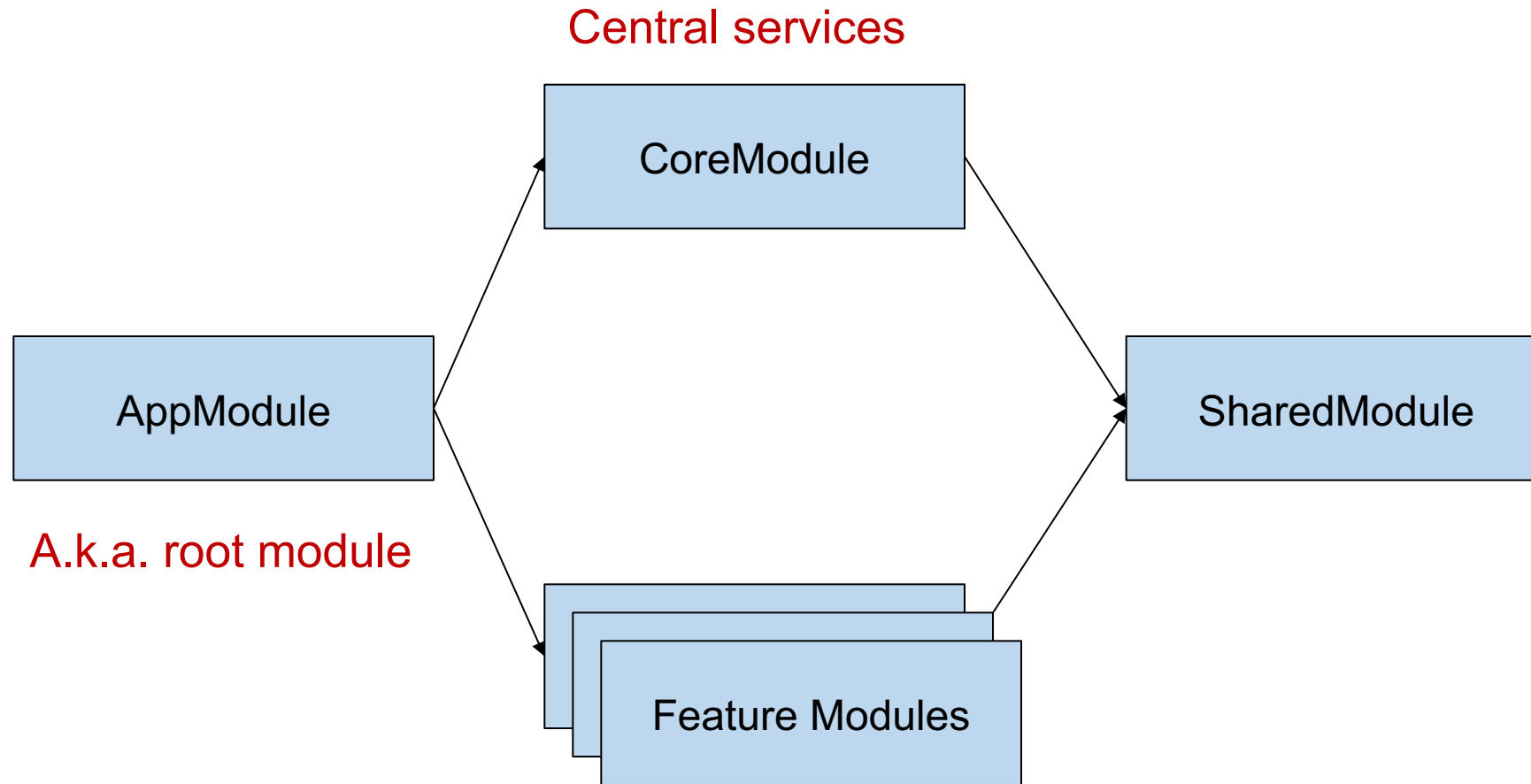
```
@NgModule({  
  imports: [  
    BrowserModule, HttpClientModule, FormsModule  
  ],  
  declarations: [  
    AppComponent,  
    FlightSearchComponent,  
    CityPipe  
  ],  
  bootstrap: [  
    AppComponent  
  ]  
})  
export class AppModule {}
```



Typical module structure



Optional: CoreModule



SharedModule

```
@NgModule({  
  imports: [  
    CommonModule  
  ],  
  declarations: [  
    CityPipe  
  ],  
  exports: [  
    CityPipe  
  ]  
})  
export class SharedModule {}
```

← - - - - Declarations must be exported for other modules!



FlightModule (Feature Module)

```
@NgModule({  
  imports: [  
    CommonModule, FormsModule, SharedModule  
  ],  
  declarations: [  
    FlightSearchComponent  
  ],  
  providers: [  
    FlightService ←----- Provider for this module exclusively!  
  ],  
  exports: [  
    FlightSearchComponent ←----- Everything we want to use in other modules!  
  ]  
})  
export class FlightModule {}
```



AppModule (Root Module)

```
@NgModule({  
  imports: [  
    BrowserModule, HttpClientModule, FlightModule  
  ],  
  declarations: [  
    AppComponent  
  ],  
  bootstrap: [  
    AppComponent  
  ]  
})  
export class AppModule {}
```



DEMO



LAB



ANGULAR
ARCHITECTS
INSIDE KNOWLEDGE



SOFTWARE
ARCHITECT

Re-exporting of modules

```
@NgModule({  
  imports: [  
    CommonModule, FormsModule  
  ],  
  declarations: [  
    OrtPipe  
  ],  
  exports: [  
    OrtPipe, FormsModule  
  ]  
})  
export class SharedModule {}
```

Use it here and in the modules that import this module