



# Angular Modules

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# Goal

Get to know and be able to use options for

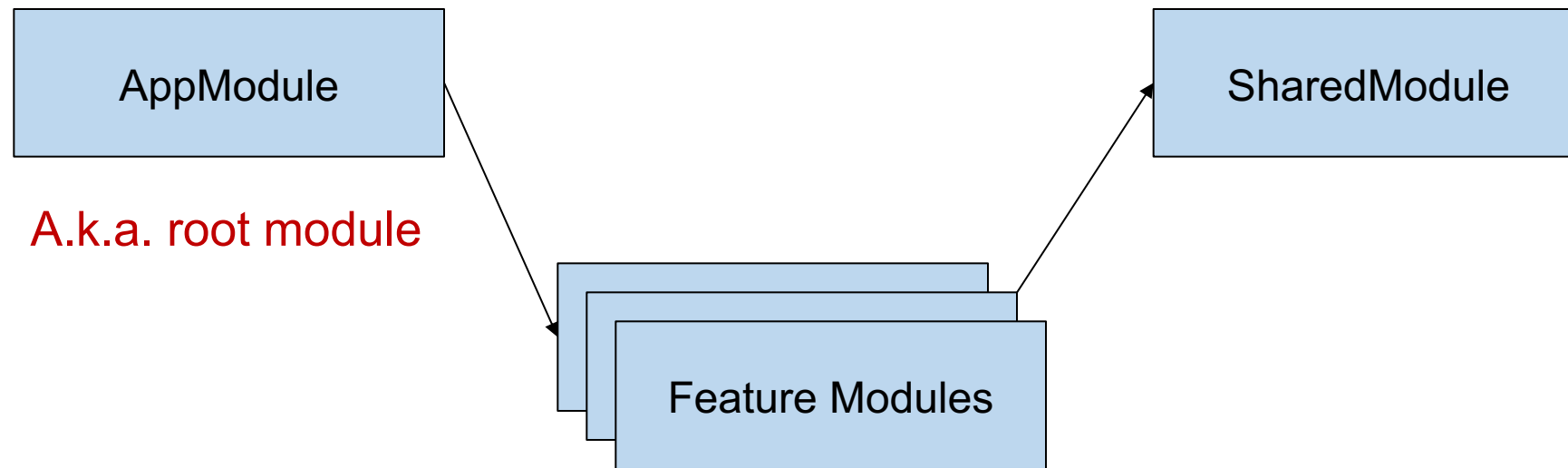
- structuring an Angular application with modules
- later we will see how we can use this for performance optimization

# Current AppModule

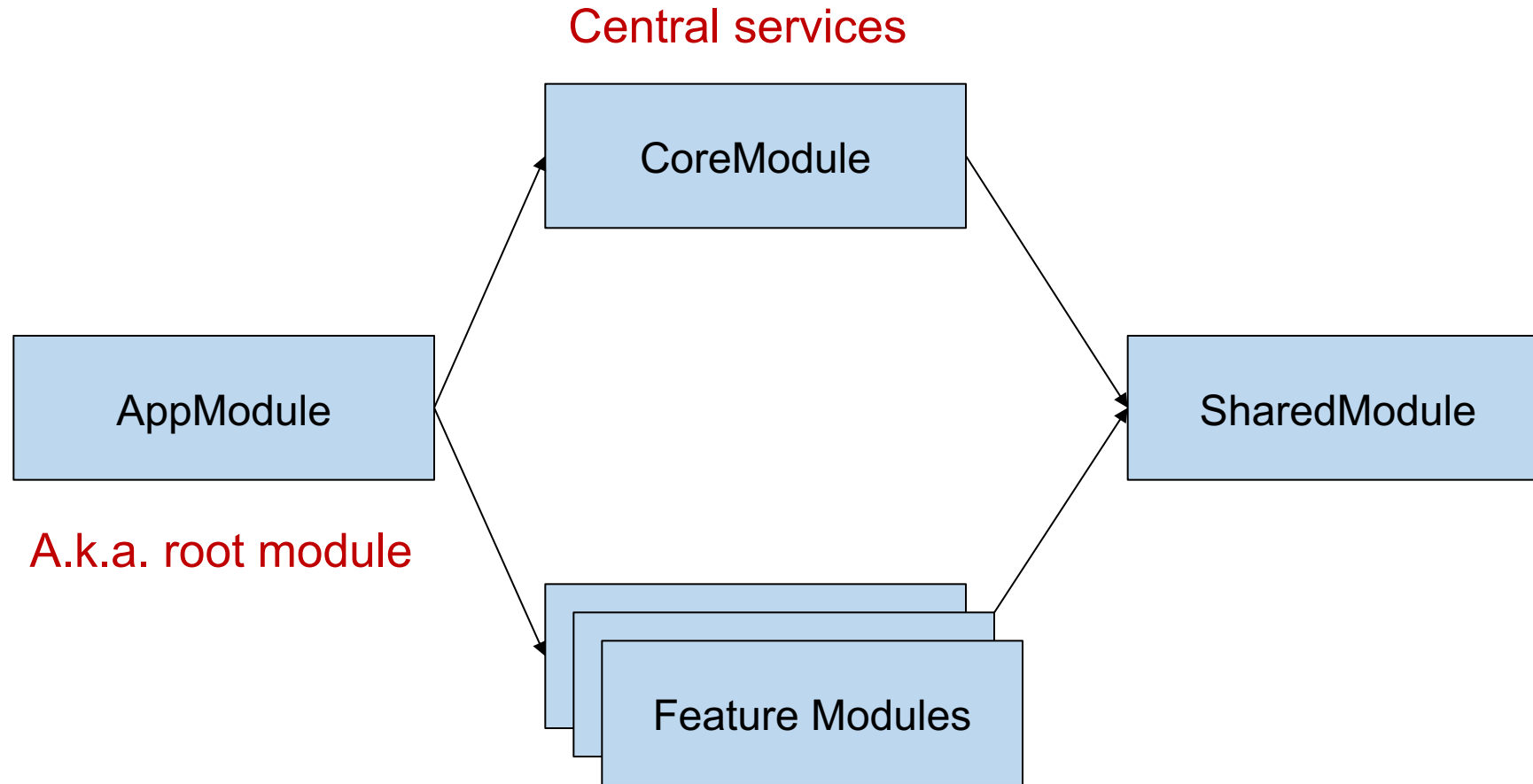
```
@NgModule({  
  imports: [  
    BrowserModule, HttpClientModule, FormsModule  
  ],  
  declarations: [  
    AppComponent,  
    FlightSearchComponent,  
    CityPipe  
  ],  
  bootstrap: [  
    AppComponent  
  ]  
})  
export class AppModule {}
```



# 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