

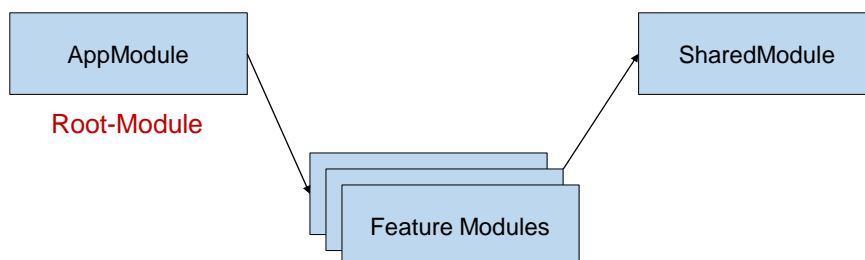
Target

Learn and use the options to structure an Angular App with Modules.

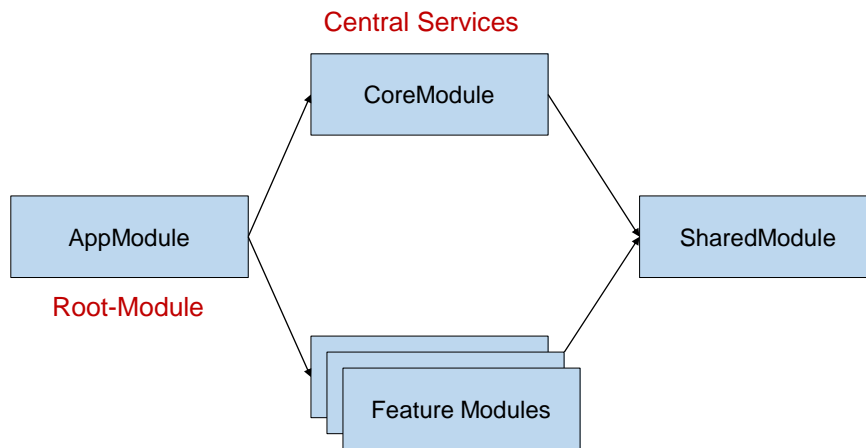
Currently used AppModule

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

Typical Module Structure



Typical Module Structure



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SharedModule

```

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

Declarations have to be exported for other Modules!

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FlightModule (Feature Module)

```
@NgModule({
  imports: [
    CommonModule, FormsModule, SharedModule
  ],
  declarations: [
    FlightSearchComponent
  ],
  providers: [
    FlightService <---- Providers are globally available!
  ],
  exports: [
    FlightSearchComponent
  ]
})
export class FlightModule {
}
```

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AppModule (Root Module)

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

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DEMO

Re-export of Modules

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