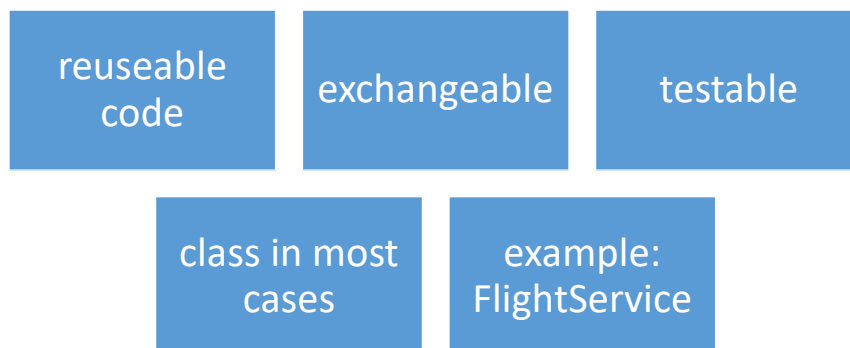


## What are Services?



## Service

```
@Injectable()
export class FlightService {

  [...]

}
```

**Services are singletons**  
(within their "scope")

## Consumer gets Service injected

```
@Component({
  selector: 'fight-search',
  templateUrl: 'fight-search.html'
})
export class FlightSearchComponent {

  from: string;
  to: string;
  flights: Array<Flight>;

  constructor(flightService: FlightService) { ... }

  fightSearch() { [...] }
  selectFlight(flight) { [...] }

}
```

## Register Service (globally)

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

## Register Service (globally)

```
@NgModule({
  imports: [
    BrowserModule, HttpClientModule, FormsModule
  ],
  declarations: [
    AppComponent, FlightSearchComponent
  ],
  providers: [
    { provide: FlightService, useClass: AdvancedFlightService }
  ],
  bootstrap: [
    AppComponent
  ]
})
export class AppModule {
}
```

## Register Service locally

```
@Component({
  selector: 'flight-search',
  templateUrl: 'app/flight-book/flight-book.html',
  providers: [{ provide: FlightService, useClass: FlightService}]
})
export class FlightSearchComponent {

  [...]

}
```

Applies for this Component and their Child-Component only!

## Register Service locally

```
@Component({
  selector: 'flight-search',
  templateUrl: 'app/flight-book/flight-book.html',
  providers: [FlightService]
})
export class FlightSearchComponent {

  [...]

}
```