









Utils

DateUtils

```
+ DATE_PATTERN: String
+ DateFormat: DateTimeFormatter

+ getWeekDays(LocalDate d): LocalDate[]
+ getWeekNumber(LocalDate d): int
+ parse(String dateString): LocalDate
+ validate(String dateInput): boolean
```

JsonUtils

```
+ <T> serialize(T object): String
+ <T> deserialize(String json, Type typeOfT): T
```

Design Updates

- 1) Added "ServiceFactory" class – We used the factory pattern, to make sure that the services and controllers are initialized correctly.
- 2) Updated some of the classes to not be used as a Singleton, to match with the factory pattern written above.
- 3) Updated the services return values to be a json String of the Response<T> object, instead of a Response<T> return type.
- 4) Added the needed integration with the Transports Module, through the service and business calls, and the unified Data Access Layer, shown on its dedicated class diagram.
- 5) Fixed the aggregation relationship between some of the classes, it is shown as a "using" association relationship.