Marshalling JSON

Goal

Handle JSON payloads in responses and requests, hassle-free

Warning: heavy use of implicits – adults only

Recap

Seamlessly receive and send JSON payloads

Step 1: add Spray facilities

```scala
import spray.json._
```

Step 1: define the protocol trait

```scala
trait MyJsonProtocol extends DefaultJsonProtocol {
  implicit val myJsonFormat = jsonFormatX(MyDataStructure)
}
```

Step 3: mix everything in

```scala
object MyApp extends App
  with SprayJsonSupport
  with MyJsonProtocol { ... }
```

Magic 1: send objects directly

- auto-marshalled to JSON

```scala
complete(myFuture.mapTo[List[MyDataStructure]])
```

Magic 2: receive objects directly

- auto-unmarshalled from JSON payloads

```scala
entity(as[MyDataStructure]) { myObject => ... }
```

Akka rocks