Note that there are some **hidden assumptions** in what data you can put where.

Anything that is an **input to** or **return value from** an Async service has to be stored in a SOAP query or response,
Which means it has to be **storable in XML**,
Which means that it has to be **storable as text**,
Which is enabled by implementing the `Serializable` interface.

**What implements `Serializable`?**
- **Primitive classes**: `double`, etc.
- **Base data types**: `String`, etc.
- **Templates whose parameters are `Serializable` classes**, e.g. `List<S>`, `Map<S, S>`, etc, where `S` implements `Serializable`.
- Anything you force to implement `Serializable`.

This means that:
- You can return a `List<String>` from a service,
  but you cannot return a `List<Foo>`,
  unless your class `Foo` implements `Serializable`, and your code won't compile until it does!

For more details, see: