

Testing HttpHandlers

This is trivially easy, because http4k messages are immutable data classes!

```
val echo: HttpHandler = { r: Request -> Response(OK).body(r.body) }
```

```
class EchoTest {  
    @Test  
    fun `handler echoes input`() {  
        val input: Request = Request(POST, "/echo").body("hello")  
        val expected: Response = Response(OK).body("hello")
```

```
        assertThat(echo(input), equalTo(expected))
```

```
    }
```

```
}
```

Functions on a network!

We can attach an `HttpHandler` to a running container

```
val echo: HttpHandler = { r: Request -> Response(OK).body(r.body) }
```

```
val server: Http4kServer = echo.asServer(Jetty(8000)).start()
```